INVENTUM ENGINEERING

Secondary Containment Closure Construction Completion Report

Lid Seal Tank ST06

Riverview Innovation & Technology Campus

Brownfield Cleanup Program Site No. C915353

3875 River Road

Tonawanda, New York 14150

October 21, 2025

441 CARLISLE DRIVE
SUITE C
HERNDON, VA 20170
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Background

The ST06 secondary containment was located on the north side of the former Coal Charging building. Tank ST06 was used to store "Lid Seal," a mixture of clay and antifreeze that was used to provide a seal around the lids covering the coal charging openings on the top of the former Battery. Tank ST06 had the only secondary containment constructed of steel. Residual lid seal material and accumulated coke breeze were observed within the containment. The closure of Tank ST06 was managed in accordance with the approved Chemical Bulk Storage (CBS) and Petroleum Bulk Storage (PBS) Tank Closure Work Plan ("CBS PBS Work Plan) (Inventum, 2021). After Tank ST06 was removed the containment residuals were containerized in six cubic yard boxes and disposed with the lid seal removed from the tank at Veolia Environmental Services. The steel box was decontaminated and repurposed for use as temporary storage and materials management on the BCP site.

ST06 was a chemical bulk storage (CBS) tank registered with the New York State Department of Environmental Conservation (NYSDEC). The Management, closure, and contents disposal or recycling of ST06 contents and secondary containment contents are documented under the Chemical Bulk Storage (CBS) and Petroleum Bulk Storage (PBS) Tank Closure Construction Completion Report ("CBS PBS CCR" [Inventum, August 2025]).

Inspection Summary

The ST06 steel containment box was 10-feet long, 20-feet wide, and 200 square feet (nominal). Tank ST06 was removed in September 2021, and the containment was inspected. A 1-inch hole was observed in the bottom corner of the northwest sidewall. The hole appeared to be a former pipe penetration or possible unplugged drainage hole. No other holes or cracks were observed in the containment. The seam between the floor and sidewalls was competent. The weld seams along the access ladder and steel stabilizing plates on the north and south sides of the containment appeared intact. See Photograph No.'s 3 and 5 through 16 for the secondary containment inspection.

The secondary containment was lifted to inspect the underlying fill. Material consistent in color and texture with that of the lid seal removed from the tank was observed beneath the containment (Photograph No.'s 17 and 18).

Fill Sampling

Four fill samples were collected from two locations below the former ST06 secondary containment. Lid seal material was observed below the containment and had been removed with an excavator. Samples were able to be collected directly from the sidewalls of the excavation using a dedicated stainless-steel spoon. Two samples were collected on the east and west ends of the containment area, from 0- to- 1- foot and 1- to- 2-feet below ground surface (BGS). The samples consisted of black, silty, sandy gravel or coke breeze typical of the sitewide fill. The sampling locations are shown on Figure 2.

The samples were analyzed for:

- TCL Semi-volatile Organic Compounds (SVOCs) [8270]
- TAL Metals [6010]
- Total Mercury [7471]

- Total Cyanide [9012]
- Polychlorinated biphenyls (PCBs) [8082]
- Methanol [8015]

Methanol was added to the sampling suite at the request of NYSDEC. Methanol was a known component of the lid seal material (up to 7%), as shown in the description on the ST06 name plate (Photograph No. 2).

Sample results were compared to 6 NYCRR Part 375 Commercial Soil Cleanup Objectives (SCOs). The samples contained SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-C,D)pyrene at concentrations that exceed the Commercial SCOs. The sample collected on the east end from 0- to- 1-foot BGS contained cyanide at a concentration that exceeded Commercial SCOs (53.4 mg/kg vs 27 mg/kg). No sample concentrations of metals, mercury, or PCBs exceeded Commercial SCOs. Methanol does not have an SCO, however all methanol sample concentrations were not detected.

Fill Management

The lid seal material observed below the containment was excavated and stockpiled on and under polyethylene sheeting near the northern property boundary. NYSDEC filed Spill Report No. 2106302 in response to the observed material. In February 2022 additional lid seal material was discovered in the base of an elevator shaft in the former Coal Charging building. The material was managed under the existing spill report and excavated and stockpiled with the existing segregated lid seal impacted fill. Approximately 16 tons of impacted fill from below the secondary containment and approximately 20 tons of impacted fill from the elevator shaft were disposed with Modern Landfill on May 19, 2022. All documentation including the memorandum addressing the additional lid seal in the elevator shaft, the spill report, and waste manifests are included in the ST06 closure report of the CBS PBS CCR.

Fill samples from below the secondary containment contained concentrations of SVOCs and cyanide consistent with those of sitewide fill. The samples did not have detections of methanol which indicates that the lid seal impacted fill was properly segregated from the surrounding fill.

Community Air Monitoring Plan (CAMP)

Air monitoring was performed in accordance with the Community Air Monitoring Plan (CAMP) for all dates that work was completed. Daily summary graphs of particulate and volatile organic compound (VOC) monitoring are provided in Appendix C.

Work Completed	Dates
Spill Material Removal (below containment)	9/23/2021
Fill Sampling	10/1/2021
Spill Material Removal (elevator shaft)	2/8/2022
Disposal	5/19/2022, 12/16/2022

Engineering Certification

I, John P. Black, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Construction Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully Submitted,

Inventum Engineering, P.C.

Date: October 21, 2025

John P. Black, P.E.

License No: 062818-1

Seal

It is a violation of the laws of New York for any person, unless acting under the direction of a Licensed Professional Engineer, to alter any item or any portion of this document in any way. If an item bearing the seal of a Licensed Professional Engineer is altered, the altering Engineer shall affix to the item his/her seal and notation "altered by" followed by his/her signature and the date of such alternation, and a specific description of the alteration.

Photographic Log

Client Name: RITC	**Date Photo was Taken:** 10/16/2019	**Project:** RITC
Photo No. 1		
Direction Photo Taken: View looking east.		
Description: ST06/B03 tank and associated steel secondary containment.		
Client Name: RITC	**Date Photo was Taken:** 1/6/2021	**Project:** RITC
Photo No. 2		
Direction Photo Taken: View Looking southwest.		
Description: ST06/B03 Name plate identified methanol as a component of the "lid seal" contents.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 3 **Direction Photo Taken:** View looking southeast. **Description:** ST06/B03 - Lid Seal Tank secondary containment holding precipitation, debris, coke breeze, and residual lid seal after tank removal.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 4 **Direction Photo Taken:** View looking south. **Description:** ST06/B03 - OSC preparing to remove residuals from the secondary containment.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 5 **Direction Photo Taken:** View looking west. **Description:** ST06/B03 – Secondary containment interior after water was pumped to the Green Warehouse weir tank and treated. Lid seal residual and sediment remain to be containerized.		
Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 6 **Direction Photo Taken:** View Looking west. **Description:** ST06/B03 – Secondary containment residuals being containerized for disposal.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 7 **Direction Photo Taken:** View looking east. **Description:** Outer west wall of secondary containment.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 8 **Direction Photo Taken:** View Looking south. **Description:** Outer north wall of secondary containment.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 9 **Direction Photo Taken:** View looking west. **Description:** Outer east wall of secondary containment.		
Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 10 **Direction Photo Taken:** View Looking west. **Description:** Flange on east containment wall. Connections competent, no evidence of leaking.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 11 **Direction Photo Taken:** View looking south. **Description:** Outer containment wall, lower northwest corner. Note unplugged drainage hole was likely primary source of lid seal leakage.		
Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 12 **Direction Photo Taken:** View Looking east. **Description:** Inner east wall of containment.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 13 **Direction Photo Taken:** View looking south. **Description:** Inner south wall of containment.		
Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 14 **Direction Photo Taken:** View Looking west. **Description:** Inner west wall of containment. Note connections at access ladder are competent.		

Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 15 **Direction Photo Taken:** View looking north. **Description:** Inner north wall of secondary containment.		
Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 16 **Direction Photo Taken:** View Looking west. **Description:** Floor of secondary containment.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 17 **Direction Photo Taken:** View looking south, beneath edge of secondary containment. **Description:** Lid seal present beneath edge of secondary containment.		

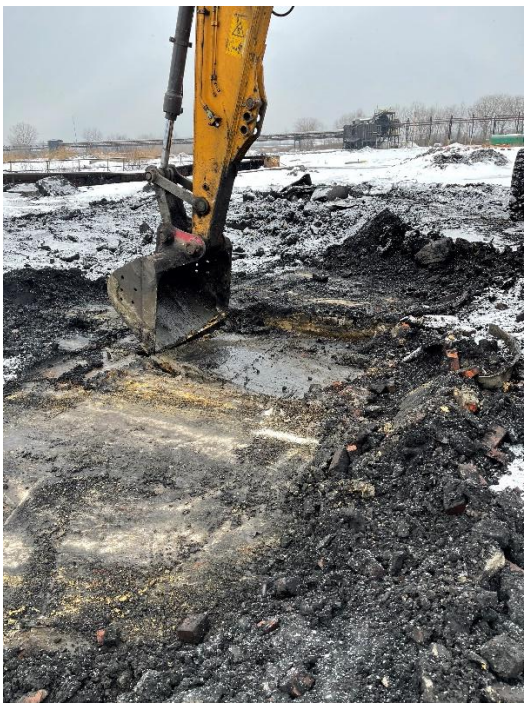
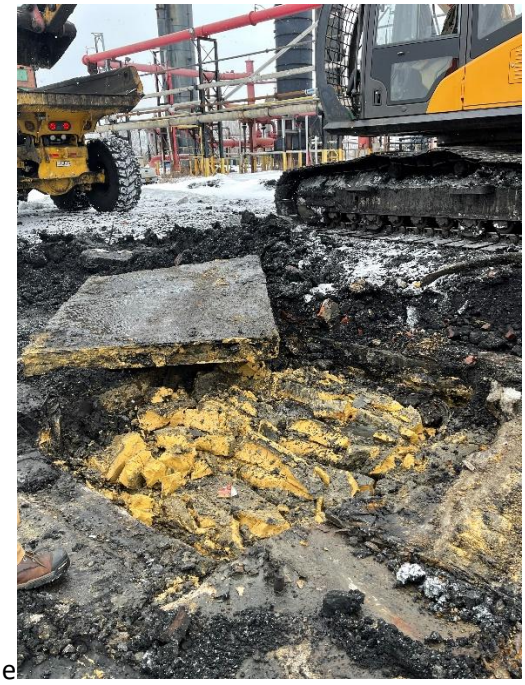
Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 18 **Direction Photo Taken:** View Looking south beneath lifted secondary containment. **Description:** Lid seal present beneath secondary containment.		

Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 19		
Direction Photo Taken: View looking southeast.		
Description: Surficial lid seal has been scraped from surface.		

Client Name: RITC	**Date Photo was Taken:** 9/23/2021	**Project:** RITC
Photo No. 20		
Direction Photo Taken: View Looking west.		
Description: Excavation of soils below secondary containment. A 1-inch to 2-inch layer of lid seal was present over 10-foot by 20-foot area.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 21 **Direction Photo Taken:** View looking east. **Description:** The eastern wall of the excavation, the layer of lid seal is removed.		

Client Name: RITC	Date Photo was Taken: 9/23/2021	Project: RITC
Photo No. 22 **Direction Photo Taken:** View looking west. **Description:** The western wall of the excavation, the extent of lid seal impact has been defined. They layer of lid seal is removed.		

Client Name: RITC	**Date Photo was Taken:** 2/8/2022	**Project:** RITC
Photo No. 23 **Direction Photo Taken:** View looking west. **Description:** Additional lid seal observed near foundation elevator shaft of former Coal Charging building.		
Client Name: RITC	**Date Photo was Taken:** 9/8/2021	**Project:** RITC
Photo No. 24 **Direction Photo Taken:** View Looking east. **Description:** The elevator shaft foundation is removed.		

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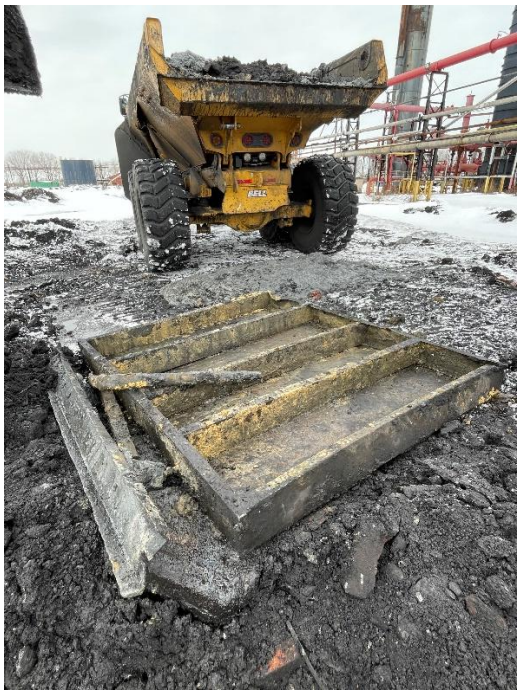
Client Name: RITC	Date Photo was Taken: 2/8/2022	Project: RITC
Photo No. 25 **Direction Photo Taken:** View looking northwest. **Description:** The elevator shaft has been excavated of lid seal and residuals were scraped from the concrete.		
Client Name: RITC	**Date Photo was Taken:** 2/8/2022	**Project:** RITC
Photo No. 26 **Direction Photo Taken:** View Looking west. **Description:** Lid seal impacted soils are loaded to the staging area on and underneath polyethylene sheeting.		

Figures

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50 0 25 50 100 200

1 INCH = 50 FEET (22X34)

D

DRAWING BY	RB
CHECKED	
APPROVED	

SECONDARY CONTAINMENT LOCATIONS
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

INVENTUM ENGINEERING
441 CARLISLE DRIVE
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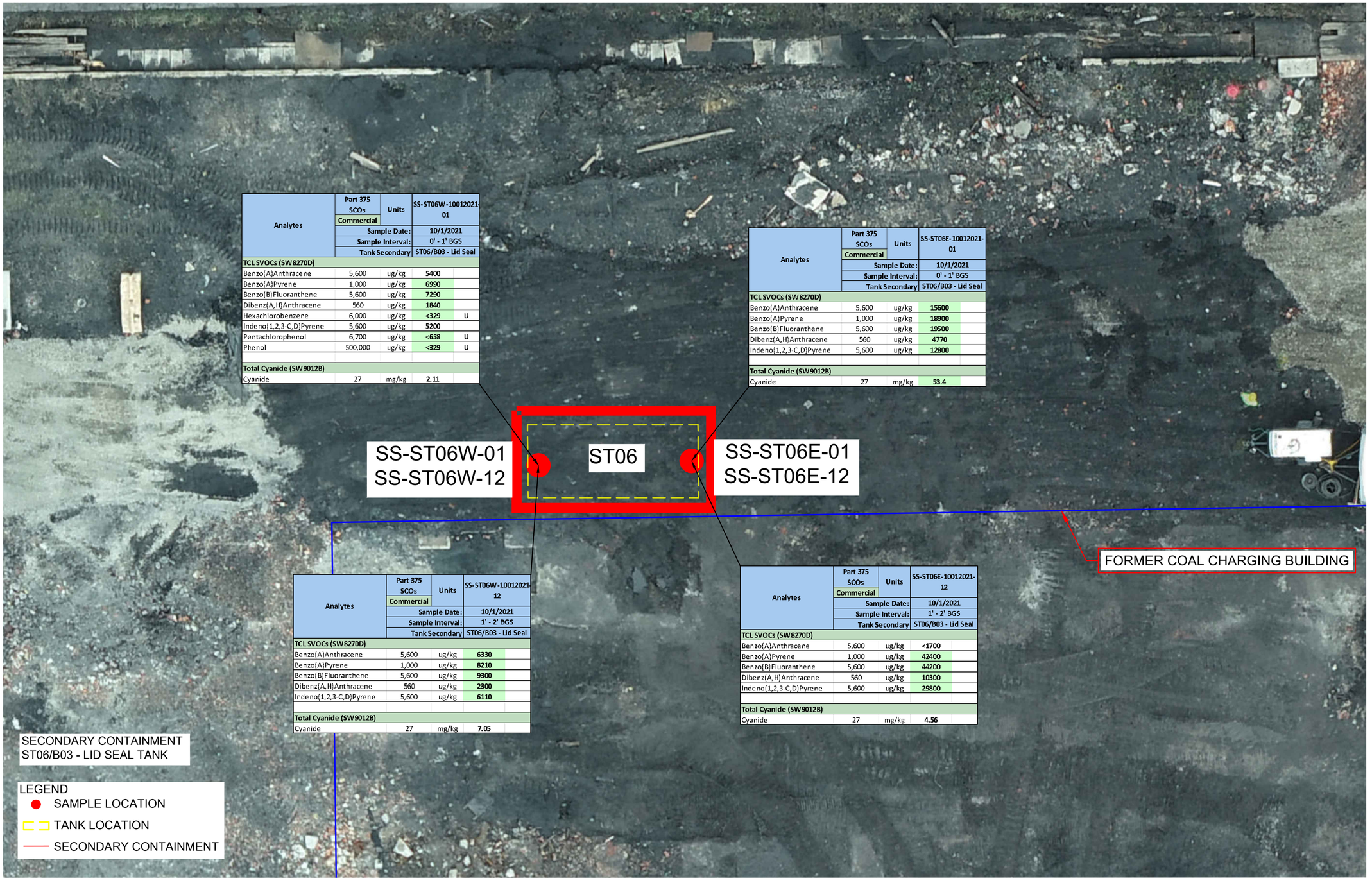
FIGURE 1

DRAWING NUMBER
SECONDARY CONTAINMENT CLOSURE CCR



Analytes	Part 375 SCOs	Units	SS-ST06W-10012021-01
	Commercial		
	Sample Date:		10/1/2021
	Sample Interval:		0' - 1' BGS
	Tank Secondary		ST06/B03 - Lid Seal
TCL SVOCs (SW8270D)			
Benzo(A)Anthracene	5,600	ug/kg	**5400**
Benzo(A)Pyrene	1,000	ug/kg	**6990**
Benzo(B)Fluoranthene	5,600	ug/kg	**7290**
Dibenz(A,H)Anthracene	560	ug/kg	**1840**
Hexachlorobenzene	6,000	ug/kg	**<329** U
Indeno(1,2,3-C,D)Pyrene	5,600	ug/kg	**5200**
Pentachlorophenol	6,700	ug/kg	**<658** U
Phenol	500,000	ug/kg	**<329** U
Total Cyanide (SW9012B)			
Cyanide	27	mg/kg	**2.11**

Analytes	Part 375 SCOs	Units	SS-ST06E-10012021-01
	Commercial		
	Sample Date:		10/1/2021
	Sample Interval:		0' - 1' BGS
	Tank Secondary		ST06/B03 - Lid Seal
TCL SVOCs (SW8270D)			
Benzo(A)Anthracene	5,600	ug/kg	**15600**
Benzo(A)Pyrene	1,000	ug/kg	**18900**
Benzo(B)Fluoranthene	5,600	ug/kg	**19500**
Dibenz(A,H)Anthracene	560	ug/kg	**4770**
Indeno(1,2,3-C,D)Pyrene	5,600	ug/kg	**12800**
Total Cyanide (SW9012B)			
Cyanide	27	mg/kg	**53.4**

Analytes	Part 375 SCOs	Units	SS-ST06W-10012021-12
	Commercial		
	Sample Date:		10/1/2021
	Sample Interval:		1' - 2' BGS
	Tank Secondary		ST06/B03 - Lid Seal
TCL SVOCs (SW8270D)			
Benzo(A)Anthracene	5,600	ug/kg	**6330**
Benzo(A)Pyrene	1,000	ug/kg	**8210**
Benzo(B)Fluoranthene	5,600	ug/kg	**9300**
Dibenz(A,H)Anthracene	560	ug/kg	**2300**
Indeno(1,2,3-C,D)Pyrene	5,600	ug/kg	**6110**
Total Cyanide (SW9012B)			
Cyanide	27	mg/kg	**7.05**

Analytes	Part 375 SCOs	Units	SS-ST06E-10012021-12
	Commercial		
	Sample Date:		10/1/2021
	Sample Interval:		1' - 2' BGS
	Tank Secondary		ST06/B03 - Lid Seal
TCL SVOCs (SW8270D)			
Benzo(A)Anthracene	5,600	ug/kg	**<1700**
Benzo(A)Pyrene	1,000	ug/kg	**42400**
Benzo(B)Fluoranthene	5,600	ug/kg	**44200**
Dibenz(A,H)Anthracene	560	ug/kg	**10300**
Indeno(1,2,3-C,D)Pyrene	5,600	ug/kg	**29800**
Total Cyanide (SW9012B)			
Cyanide	27	mg/kg	**4.56**

N

D

5 0 2.5 5 10 20
1 INCH = 5 FEET

DRAWING BY RB
CHECKED
APPROVED

ST06 - "LID SEAL" TANK
SECONDARY CONTAINMENT SAMPLING
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

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FIGURE 2

DRAWING NUMBER
SECONDARY CONTAINMENT CLOSURE CCR

Tables

Table 1
Secondary Containment Closure Construction Completion Report
Lid Seal Tank ST06
Riverview Innovation & Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Units	SS-ST06W-10012021-01		SS-ST06W-10012021-12		SS-ST06E-10012021-01		SS-ST06E-10012021-12	
Sample Date:				10/1/2021		10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0' - 1' BGS		1' - 2' BGS		0' - 1' BGS		1' - 2' BGS	
Tank Secondary Containment				ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal	
TCL SVOCs (SW8270D)											
1,1-Biphenyl			ug/kg	**314**	J	**416**		**900**		**880**	
1,2,4,5-Tetrachlorobenzene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,3,4,6-Tetrachlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4,5-Trichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4,6-Trichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dimethylphenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dinitrophenol			ug/kg	<1320	U	<1380	U	<6420	U	<1700	U
2,4-Dinitrotoluene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,6-Dinitrotoluene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Chloronaphthalene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Chlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Methylnaphthalene			ug/kg	**1490**		**2280**		**4070**		**5100**	
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Nitrophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
3,3'-Dichlorobenzidine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Cresols, M & P	500,000	1,000,000	ug/kg	NS		NS		NS		NS	
3-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4,6-Dinitro-2-Methylphenol			ug/kg	<658	U	<688	U	<3210	U	<3390	U
4-Bromophenyl Phenyl Ether			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chloro-3-Methylphenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chloroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chlorophenyl Phenyl Ether			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Nitrophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Acenaphthene	500,000	1,000,000	ug/kg	**879**		**1400**		**1730**		**8410**	
Acenaphthylene	500,000	1,000,000	ug/kg	**620**		**710**		**1730**		**905**	
Acetophenone			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Anthracene	500,000	1,000,000	ug/kg	**1510**		**1680**		**3300**		**5840**	
Atrazine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	**5400**		**6330**		**15600**		<1700	
Benzaldehyde			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	**6990**		**8210**		**18900**		**42400**	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**7290**		**9300**		**19500**		**44200**	
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	**5840**		**7060**		**14100**		**32300**	
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	**4530**		**5680**		**12300**		**23400**	
Biphenyl (Diphenyl)			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroisopropyl) Ether			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzyl Butyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Caprolactam			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Carbazole			ug/kg	**855**		**883**		**1850**		**4050**	
Chrysene	56,000	110,000	ug/kg	**5960**		**7380**		**16300**		**32400**	
Di-N-Butyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Di-N-Octylphthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**1840**		**2300**		**4770**		**10300**	
Dibenzofuran	350,000	1,000,000	ug/kg	**921**		**1190**		**2290**		**2610**	
Diethyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Dimethyl Phthalate			ug/kg	<329	U	<344	U	<16110	U	<1700	U
Fluoranthene	500,000	1,000,000	ug/kg	**8870**		**9570**		**20200**		**45300**	
Fluorene	500,000	1,000,000	ug/kg	**831**		**977**		**1570**		**2950**	
Hexachlorobenzene	6,000	12,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
Hexachlorobutadiene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Hexachlorocyclopentadiene			ug/kg	<1320	U	<1380	U	<6420	U	<1700	U
Hexachloroethane			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**5200**		**6110**		**12800**		**29800**	
Isophorone			ug/kg	<329	U	<344	U	<1610	U	<1700	U
N-Nitrosodi-N-Propylamine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
N-Nitrosodiphenylamine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Naphthalene	500,000	1,000,000	ug/kg	**3670**		**5090**		**15600**		**9600**	
Nitrobenzene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Pentachlorophenol	6,700	55,000	ug/kg	<658	U	<688	U	<3210	U	<1700	U
Phenanthrene	500,000	1,000,000	ug/kg	**6480**		**6710**		**12200**		**23600**	
Phenol	500,000	1,000,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
Pyrene	500,000	1,000,000	ug/kg	**7710**		**8170**		**17600**		**41400**	
TAL Metals (SW6010)											
Aluminum			mg/kg	**2300**		**2440**		**1670**		**3250**	
Antimony			mg/kg	<3.31	U	<3.72	U	<3.52	U	<3.56	U
Arsenic	16	16	mg/kg	**4.65**		**4.66**		**3.61**		**4.28**	
Barium	400	10,000	mg/kg	**29.5**		**48.7**		**41.3**		**60.2**	
Beryllium	590	2,700	mg/kg	**0.323**		**0.824**		**0.753**		**0.672**	
Cadmium	9.3	60	mg/kg	**1.14**		**0.529**		**0.422**		**0.692**	
Calcium			mg/kg	**22200**		**4870**		**3770**		**10400**	
Chromium, Total			mg/kg	**12.3**		**9.39**		**10.8**		**8.44**	
Cobalt			mg/kg	**4.51**		**6.15**		**5.23**		**5.04**	
Copper	270	10,000	mg/kg	**18.6**		**32.9**		**20.0**		**29.8**	
Iron			mg/kg	**18200**		**9560**		**5610**		**10200**	
Lead	1,000	3,900	mg/kg	**39.3**		**29.8**		**42.9**		**45.0**	
Magnesium			mg/kg	**11600**		**1680**		**1550**		**1460**	
Manganese	10,000	10,000	mg/kg	**212**		**104**		**73.3**		**200**	
Nickel	310	10,000	mg/kg	**10.5**		**14.3**		**10.6**		**11.6**	
Potassium			mg/kg	**439**		**540**		**249**		**449**	
Selenium	1,500	6,800	mg/kg	<1.10	U	**0.900**	J	**0.692**	J	**1.45**	
Silver	1,500	6,800	mg/kg	**0.733**		**0.466**	J	<0.586	U	**0.529**	J
Sodium			mg/kg	**136**	J	**168**		**97.2**	J	**186**	
Thallium			mg/kg	<1.38	U	<1.55	U	<1.47	U	<1.48	
Vanadium			mg/kg	**10.1**		**12.3**		**12.6**		**10.3**	
Zinc	10,000	10,000	mg/kg	**87.2**		**80.7**		**63.8**		**251**	

Table 1
Secondary Containment Closure Construction Completion Report
Lid Seal Tank ST06
Riverview Innovation & Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SS-ST06W-10012021-01		SS-ST06W-10012021-12		SS-ST06E-10012021-01		SS-ST06E-10012021-12	
	Commercial	Industrial									
Sample Date:				10/1/2021		10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0' - 1' BGS		1' - 2' BGS		0' - 1' BGS		1' - 2' BGS	
Tank Secondary Containment				ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal	
Mercury (SW7471)											
Mercury	2.8	5.7	mg/kg	**0.165**		**0.171**		**0.430**		**0.313**	
Total Cyanide (SW9012B)											
Cyanide	27	10,000	mg/kg	**2.11**		**7.05**		**53.4**		**4.56**	
Methanol (8015D)											
Methanol			ug/g	<11	U	<13	U	<12	U	<12	U
PCBs (8082A)											
PCB-1016 (Aroclor 1016)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1221 (Aroclor 1221)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1232 (Aroclor 1232)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1242 (Aroclor 1242)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1248 (Aroclor 1248)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1254 (Aroclor 1254)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1260 (Aroclor 1260)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1262 (Aroclor 1262)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1268 (Aroclor 1268)	1,000	25,000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
Qualifiers:											
U - Not detected at the reported detection limit for the sample.											
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.											
B - Compound was found in the blank and sample.											
HF - Analyzed outside of hold time.											
Bold - Compound is detected											
Red Highlight - Exceeds NYS Part 375 Industrical SCOs											
Green Highlight - Exceeds NYS Part 375 Commercial SCOs											

Appendix A – Laboratory Reports

PARADIGM ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Inventum Engineering, P.C.

For Lab Project ID

214449

Referencing

Secondary Containment

Prepared

Monday, September 22, 2025

This project has been re-issued to include additional compounds, per client request.

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Portions of the enclosed report reflects analysis that has been subcontracted and are presented in their original form.

Emily Farmen

Certifies that this report has been approved by the Technical Director or Designee

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-01		
Lab Sample ID:	214449-01	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.165**	mg/Kg		10/7/2021 10:08

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**2300**	mg/Kg		10/6/2021 19:20
Antimony	< 3.31	mg/Kg		10/6/2021 19:20
Arsenic	**4.65**	mg/Kg		10/6/2021 19:20
Barium	**29.5**	mg/Kg		10/6/2021 19:20
Beryllium	**0.323**	mg/Kg		10/6/2021 19:20
Cadmium	**1.14**	mg/Kg		10/6/2021 19:20
Calcium	**22200**	mg/Kg		10/6/2021 19:20
Chromium	**12.3**	mg/Kg		10/6/2021 19:20
Cobalt	**4.51**	mg/Kg		10/6/2021 19:20
Copper	**18.6**	mg/Kg		10/6/2021 19:20
Iron	**18200**	mg/Kg		10/6/2021 19:20
Lead	**39.3**	mg/Kg		10/6/2021 19:20
Magnesium	**11600**	mg/Kg		10/6/2021 19:20
Manganese	**212**	mg/Kg		10/6/2021 19:20
Nickel	**10.5**	mg/Kg		10/6/2021 19:20
Potassium	**439**	mg/Kg		10/6/2021 19:20
Selenium	< 1.10	mg/Kg		10/7/2021 19:30
Silver	**0.733**	mg/Kg		10/6/2021 19:20
Sodium	**136**	mg/Kg	J	10/7/2021 19:30
Thallium	< 1.38	mg/Kg		10/6/2021 19:20
Vanadium	**10.1**	mg/Kg		10/6/2021 19:20
Zinc	**87.2**	mg/Kg		10/6/2021 19:20

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-01		
Lab Sample ID:	214449-01	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

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Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1221	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1232	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1242	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1248	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1254	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1260	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1262	< 0.0317	mg/Kg		10/6/2021 16:17
PCB-1268	< 0.0317	mg/Kg		10/6/2021 16:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**29.1**	18.5 - 93.4		10/6/2021 16:17

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**314**	ug/Kg	J	10/6/2021 02:51
1,2,4,5-Tetrachlorobenzene	< 329	ug/Kg		10/6/2021 02:51
1,2,4-Trichlorobenzene	< 329	ug/Kg		10/6/2021 02:51
1,2-Dichlorobenzene	< 329	ug/Kg		10/6/2021 02:51
1,3-Dichlorobenzene	< 329	ug/Kg		10/6/2021 02:51
1,4-Dichlorobenzene	< 329	ug/Kg		10/6/2021 02:51
2,2-Oxybis (1-chloropropane)	< 329	ug/Kg		10/6/2021 02:51
2,3,4,6-Tetrachlorophenol	< 329	ug/Kg		10/6/2021 02:51
2,4,5-Trichlorophenol	< 329	ug/Kg		10/6/2021 02:51
2,4,6-Trichlorophenol	< 329	ug/Kg		10/6/2021 02:51
2,4-Dichlorophenol	< 329	ug/Kg		10/6/2021 02:51
2,4-Dimethylphenol	< 329	ug/Kg		10/6/2021 02:51
2,4-Dinitrophenol	< 1320	ug/Kg		10/6/2021 02:51
2,4-Dinitrotoluene	< 329	ug/Kg		10/6/2021 02:51
2,6-Dinitrotoluene	< 329	ug/Kg		10/6/2021 02:51
2-Chloronaphthalene	< 329	ug/Kg		10/6/2021 02:51
2-Chlorophenol	< 329	ug/Kg		10/6/2021 02:51
2-Methylnapthalene	**1490**	ug/Kg		10/6/2021 02:51
2-Methylphenol	< 329	ug/Kg		10/6/2021 02:51
2-Nitroaniline	< 329	ug/Kg		10/6/2021 02:51
2-Nitrophenol	< 329	ug/Kg		10/6/2021 02:51
3&4-Methylphenol	< 329	ug/Kg		10/6/2021 02:51
3,3'-Dichlorobenzidine	< 329	ug/Kg		10/6/2021 02:51

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 329	ug/Kg	10/6/2021	02:51
4,6-Dinitro-2-methylphenol	< 329	ug/Kg	10/6/2021	02:51
4-Bromophenyl phenyl ether	< 329	ug/Kg	10/6/2021	02:51
4-Chloro-3-methylphenol	< 329	ug/Kg	10/6/2021	02:51
4-Chloroaniline	< 329	ug/Kg	10/6/2021	02:51
4-Chlorophenyl phenyl ether	< 329	ug/Kg	10/6/2021	02:51
4-Nitroaniline	< 329	ug/Kg	10/6/2021	02:51
4-Nitrophenol	< 329	ug/Kg	10/6/2021	02:51
Acenaphthene	**879**	ug/Kg	10/6/2021	02:51
Acenaphthylene	**620**	ug/Kg	10/6/2021	02:51
Acetophenone	< 329	ug/Kg	10/6/2021	02:51
Anthracene	**1510**	ug/Kg	10/6/2021	02:51
Atrazine	< 329	ug/Kg	10/6/2021	02:51
Benzaldehyde	< 329	ug/Kg	10/6/2021	02:51
Benzo (a) anthracene	**5400**	ug/Kg	10/6/2021	02:51
Benzo (a) pyrene	**6990**	ug/Kg	10/6/2021	02:51
Benzo (b) fluoranthene	**7290**	ug/Kg	10/6/2021	02:51
Benzo (g,h,i) perylene	**5840**	ug/Kg	10/6/2021	02:51
Benzo (k) fluoranthene	**4530**	ug/Kg	10/6/2021	02:51
Bis (2-chloroethoxy) methane	< 329	ug/Kg	10/6/2021	02:51
Bis (2-chloroethyl) ether	< 329	ug/Kg	10/6/2021	02:51
Bis (2-ethylhexyl) phthalate	< 329	ug/Kg	10/6/2021	02:51
Butylbenzylphthalate	< 329	ug/Kg	10/6/2021	02:51
Caprolactam	< 329	ug/Kg	10/6/2021	02:51
Carbazole	**855**	ug/Kg	10/6/2021	02:51

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**5960**	ug/Kg	10/6/2021	02:51
Dibenz (a,h) anthracene	**1840**	ug/Kg	10/6/2021	02:51
Dibenzofuran	**921**	ug/Kg	10/6/2021	02:51
Diethyl phthalate	< 1320	ug/Kg	10/6/2021	02:51
Dimethyl phthalate	< 1320	ug/Kg	10/6/2021	02:51
Di-n-butyl phthalate	< 1320	ug/Kg	10/6/2021	02:51
Di-n-octylphthalate	< 1320	ug/Kg	10/6/2021	02:51
Fluoranthene	**8870**	ug/Kg	10/6/2021	02:51
Fluorene	**831**	ug/Kg	10/6/2021	02:51
Hexachlorobenzene	< 329	ug/Kg	10/6/2021	02:51
Hexachlorobutadiene	< 329	ug/Kg	10/6/2021	02:51
Hexachlorocyclopentadiene	< 658	ug/Kg	10/6/2021	02:51
Hexachloroethane	< 329	ug/Kg	10/6/2021	02:51
Indeno (1,2,3-cd) pyrene	**5200**	ug/Kg	10/6/2021	02:51
Isophorone	< 329	ug/Kg	10/6/2021	02:51
Naphthalene	**3670**	ug/Kg	10/6/2021	02:51
Nitrobenzene	< 329	ug/Kg	10/6/2021	02:51
N-Nitroso-di-n-propylamine	< 329	ug/Kg	10/6/2021	02:51
N-Nitrosodiphenylamine	< 329	ug/Kg	10/6/2021	02:51
Pentachlorophenol	< 658	ug/Kg	10/6/2021	02:51
Phenanthrene	**6480**	ug/Kg	10/6/2021	02:51
Phenol	< 329	ug/Kg	10/6/2021	02:51
Pyrene	**7710**	ug/Kg	10/6/2021	02:51

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-01
Lab Sample ID: 214449-01 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**42.5**	36.4 - 87.2		10/6/2021 02:51
2-Fluorobiphenyl	**46.6**	44 - 84		10/6/2021 02:51
2-Fluorophenol	**45.6**	43.2 - 82.1		10/6/2021 02:51
Nitrobenzene-d5	**44.7**	36.4 - 82.2		10/6/2021 02:51
Phenol-d5	**48.8**	41.1 - 81.4		10/6/2021 02:51
Terphenyl-d14	**46.3**	43.8 - 103		10/6/2021 02:51

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57245.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-01		
Lab Sample ID:	214449-01	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Total Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Cyanide, Total	**2.11**	mg/Kg		10/5/2021

Method Reference(s): EPA 9014
EPA 9010C

Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-12		
Lab Sample ID:	214449-02	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.171**	mg/Kg		10/7/2021 10:24

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-12
Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**2440**	mg/Kg		10/6/2021 19:24
Antimony	< 3.72	mg/Kg		10/6/2021 19:24
Arsenic	**4.66**	mg/Kg		10/6/2021 19:24
Barium	**48.7**	mg/Kg		10/6/2021 19:24
Beryllium	**0.824**	mg/Kg		10/6/2021 19:24
Cadmium	**0.529**	mg/Kg		10/6/2021 19:24
Calcium	**4870**	mg/Kg		10/6/2021 19:24
Chromium	**9.39**	mg/Kg		10/6/2021 19:24
Cobalt	**6.15**	mg/Kg		10/6/2021 19:24
Copper	**32.9**	mg/Kg		10/6/2021 19:24
Iron	**9560**	mg/Kg		10/6/2021 19:24
Lead	**29.8**	mg/Kg		10/6/2021 19:24
Magnesium	**1680**	mg/Kg		10/6/2021 19:24
Manganese	**104**	mg/Kg		10/6/2021 19:24
Nickel	**14.3**	mg/Kg		10/6/2021 19:24
Potassium	**540**	mg/Kg		10/6/2021 19:24
Selenium	**0.900**	mg/Kg	J	10/7/2021 19:34
Silver	**0.466**	mg/Kg	J	10/6/2021 19:24
Sodium	**168**	mg/Kg		10/7/2021 19:34
Thallium	< 1.55	mg/Kg		10/6/2021 19:24
Vanadium	**12.3**	mg/Kg		10/6/2021 19:24
Zinc	**80.7**	mg/Kg		10/6/2021 19:24

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-12		
Lab Sample ID:	214449-02	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

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Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-12
Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1221	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1232	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1242	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1248	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1254	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1260	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1262	< 0.0353	mg/Kg		10/6/2021 16:41
PCB-1268	< 0.0353	mg/Kg		10/6/2021 16:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**36.8**	18.5 - 93.4		10/6/2021 16:41

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-12
Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**416**	ug/Kg		10/6/2021 03:20
1,2,4,5-Tetrachlorobenzene	< 344	ug/Kg		10/6/2021 03:20
1,2,4-Trichlorobenzene	< 344	ug/Kg		10/6/2021 03:20
1,2-Dichlorobenzene	< 344	ug/Kg		10/6/2021 03:20
1,3-Dichlorobenzene	< 344	ug/Kg		10/6/2021 03:20
1,4-Dichlorobenzene	< 344	ug/Kg		10/6/2021 03:20
2,2-Oxybis (1-chloropropane)	< 344	ug/Kg		10/6/2021 03:20
2,3,4,6-Tetrachlorophenol	< 344	ug/Kg		10/6/2021 03:20
2,4,5-Trichlorophenol	< 344	ug/Kg		10/6/2021 03:20
2,4,6-Trichlorophenol	< 344	ug/Kg		10/6/2021 03:20
2,4-Dichlorophenol	< 344	ug/Kg		10/6/2021 03:20
2,4-Dimethylphenol	< 344	ug/Kg		10/6/2021 03:20
2,4-Dinitrophenol	< 1380	ug/Kg		10/6/2021 03:20
2,4-Dinitrotoluene	< 344	ug/Kg		10/6/2021 03:20
2,6-Dinitrotoluene	< 344	ug/Kg		10/6/2021 03:20
2-Chloronaphthalene	< 344	ug/Kg		10/6/2021 03:20
2-Chlorophenol	< 344	ug/Kg		10/6/2021 03:20
2-Methylnapthalene	**2280**	ug/Kg		10/6/2021 03:20
2-Methylphenol	< 344	ug/Kg		10/6/2021 03:20
2-Nitroaniline	< 344	ug/Kg		10/6/2021 03:20
2-Nitrophenol	< 344	ug/Kg		10/6/2021 03:20
3&4-Methylphenol	**334**	ug/Kg	J	10/6/2021 03:20
3,3'-Dichlorobenzidine	< 344	ug/Kg		10/6/2021 03:20

Sample Identifier: SS-ST06W-10012021-12
Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 344	ug/Kg	10/6/2021	03:20
4,6-Dinitro-2-methylphenol	< 344	ug/Kg	10/6/2021	03:20
4-Bromophenyl phenyl ether	< 344	ug/Kg	10/6/2021	03:20
4-Chloro-3-methylphenol	< 344	ug/Kg	10/6/2021	03:20
4-Chloroaniline	< 344	ug/Kg	10/6/2021	03:20
4-Chlorophenyl phenyl ether	< 344	ug/Kg	10/6/2021	03:20
4-Nitroaniline	< 344	ug/Kg	10/6/2021	03:20
4-Nitrophenol	< 344	ug/Kg	10/6/2021	03:20
Acenaphthene	**1400**	ug/Kg	10/6/2021	03:20
Acenaphthylene	**710**	ug/Kg	10/6/2021	03:20
Acetophenone	< 344	ug/Kg	10/6/2021	03:20
Anthracene	**1680**	ug/Kg	10/6/2021	03:20
Atrazine	< 344	ug/Kg	10/6/2021	03:20
Benzaldehyde	< 344	ug/Kg	10/6/2021	03:20
Benzo (a) anthracene	**6330**	ug/Kg	10/6/2021	03:20
Benzo (a) pyrene	**8210**	ug/Kg	10/6/2021	03:20
Benzo (b) fluoranthene	**9300**	ug/Kg	10/6/2021	03:20
Benzo (g,h,i) perylene	**7060**	ug/Kg	10/6/2021	03:20
Benzo (k) fluoranthene	**5680**	ug/Kg	10/6/2021	03:20
Bis (2-chloroethoxy) methane	< 344	ug/Kg	10/6/2021	03:20
Bis (2-chloroethyl) ether	< 344	ug/Kg	10/6/2021	03:20
Bis (2-ethylhexyl) phthalate	< 344	ug/Kg	10/6/2021	03:20
Butylbenzylphthalate	< 344	ug/Kg	10/6/2021	03:20
Caprolactam	< 344	ug/Kg	10/6/2021	03:20
Carbazole	**883**	ug/Kg	10/6/2021	03:20

Lab Project ID: 214449

Client: Inventum Engineering, P.C.

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-12
Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**7380**	ug/Kg	10/6/2021	03:20
Dibenz (a,h) anthracene	**2300**	ug/Kg	10/6/2021	03:20
Dibenzofuran	**1190**	ug/Kg	10/6/2021	03:20
Diethyl phthalate	< 1380	ug/Kg	10/6/2021	03:20
Dimethyl phthalate	< 1380	ug/Kg	10/6/2021	03:20
Di-n-butyl phthalate	< 1380	ug/Kg	10/6/2021	03:20
Di-n-octylphthalate	< 1380	ug/Kg	10/6/2021	03:20
Fluoranthene	**9570**	ug/Kg	10/6/2021	03:20
Fluorene	**977**	ug/Kg	10/6/2021	03:20
Hexachlorobenzene	< 344	ug/Kg	10/6/2021	03:20
Hexachlorobutadiene	< 344	ug/Kg	10/6/2021	03:20
Hexachlorocyclopentadiene	< 688	ug/Kg	10/6/2021	03:20
Hexachloroethane	< 344	ug/Kg	10/6/2021	03:20
Indeno (1,2,3-cd) pyrene	**6110**	ug/Kg	10/6/2021	03:20
Isophorone	< 344	ug/Kg	10/6/2021	03:20
Naphthalene	**5090**	ug/Kg	10/6/2021	03:20
Nitrobenzene	< 344	ug/Kg	10/6/2021	03:20
N-Nitroso-di-n-propylamine	< 344	ug/Kg	10/6/2021	03:20
N-Nitrosodiphenylamine	< 344	ug/Kg	10/6/2021	03:20
Pentachlorophenol	< 688	ug/Kg	10/6/2021	03:20
Phenanthrene	**6710**	ug/Kg	10/6/2021	03:20
Phenol	< 344	ug/Kg	10/6/2021	03:20
Pyrene	**8170**	ug/Kg	10/6/2021	03:20

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06W-10012021-12

Lab Sample ID: 214449-02 **Date Sampled:** 10/1/2021

Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**30.6**	36.4 - 87.2	*	10/6/2021 03:20
2-Fluorobiphenyl	**33.2**	44 - 84	*	10/6/2021 03:20
2-Fluorophenol	**33.5**	43.2 - 82.1	*	10/6/2021 03:20
Nitrobenzene-d5	**32.9**	36.4 - 82.2	*	10/6/2021 03:20
Phenol-d5	**35.8**	41.1 - 81.4	*	10/6/2021 03:20
Terphenyl-d14	**33.0**	43.8 - 103	*	10/6/2021 03:20

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57246.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06W-10012021-12		
Lab Sample ID:	214449-02	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Total Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Cyanide, Total	**7.05**	mg/Kg		10/5/2021

Method Reference(s): EPA 9014
EPA 9010C

Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-01		
Lab Sample ID:	214449-03	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.430**	mg/Kg		10/7/2021 10:27

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01
Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**1670**	mg/Kg		10/6/2021 19:29
Antimony	< 3.52	mg/Kg		10/6/2021 19:29
Arsenic	**3.61**	mg/Kg		10/6/2021 19:29
Barium	**41.3**	mg/Kg		10/6/2021 19:29
Beryllium	**0.753**	mg/Kg		10/6/2021 19:29
Cadmium	**0.422**	mg/Kg		10/6/2021 19:29
Calcium	**3770**	mg/Kg		10/6/2021 19:29
Chromium	**10.8**	mg/Kg		10/6/2021 19:29
Cobalt	**5.23**	mg/Kg		10/6/2021 19:29
Copper	**20.0**	mg/Kg		10/6/2021 19:29
Iron	**5610**	mg/Kg		10/6/2021 19:29
Lead	**42.9**	mg/Kg		10/6/2021 19:29
Magnesium	**1550**	mg/Kg		10/6/2021 19:29
Manganese	**73.3**	mg/Kg		10/6/2021 19:29
Nickel	**10.6**	mg/Kg		10/6/2021 19:29
Potassium	**249**	mg/Kg		10/6/2021 19:29
Selenium	**0.692**	mg/Kg	J	10/7/2021 19:39
Silver	< 0.586	mg/Kg		10/6/2021 19:29
Sodium	**97.2**	mg/Kg	J	10/7/2021 19:39
Thallium	< 1.47	mg/Kg		10/6/2021 19:29
Vanadium	**12.6**	mg/Kg		10/6/2021 19:29
Zinc	**63.8**	mg/Kg		10/6/2021 19:29

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-01		
Lab Sample ID:	214449-03	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

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Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01
Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1221	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1232	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1242	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1248	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1254	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1260	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1262	< 0.0326	mg/Kg		10/6/2021 17:04
PCB-1268	< 0.0326	mg/Kg		10/6/2021 17:04

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**24.7**	18.5 - 93.4		10/6/2021 17:04

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01
Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**900**	ug/Kg	J	10/6/2021 17:49
1,2,4,5-Tetrachlorobenzene	< 1610	ug/Kg		10/6/2021 17:49
1,2,4-Trichlorobenzene	< 1610	ug/Kg		10/6/2021 17:49
1,2-Dichlorobenzene	< 1610	ug/Kg		10/6/2021 17:49
1,3-Dichlorobenzene	< 1610	ug/Kg		10/6/2021 17:49
1,4-Dichlorobenzene	< 1610	ug/Kg		10/6/2021 17:49
2,2-Oxybis (1-chloropropane)	< 1610	ug/Kg		10/6/2021 17:49
2,3,4,6-Tetrachlorophenol	< 1610	ug/Kg		10/6/2021 17:49
2,4,5-Trichlorophenol	< 1610	ug/Kg		10/6/2021 17:49
2,4,6-Trichlorophenol	< 1610	ug/Kg		10/6/2021 17:49
2,4-Dichlorophenol	< 1610	ug/Kg		10/6/2021 17:49
2,4-Dimethylphenol	< 1610	ug/Kg		10/6/2021 17:49
2,4-Dinitrophenol	< 6420	ug/Kg		10/6/2021 17:49
2,4-Dinitrotoluene	< 1610	ug/Kg		10/6/2021 17:49
2,6-Dinitrotoluene	< 1610	ug/Kg		10/6/2021 17:49
2-Chloronaphthalene	< 1610	ug/Kg		10/6/2021 17:49
2-Chlorophenol	< 1610	ug/Kg		10/6/2021 17:49
2-Methylnapthalene	**4070**	ug/Kg		10/6/2021 17:49
2-Methylphenol	< 1610	ug/Kg		10/6/2021 17:49
2-Nitroaniline	< 1610	ug/Kg		10/6/2021 17:49
2-Nitrophenol	< 1610	ug/Kg		10/6/2021 17:49
3&4-Methylphenol	< 1610	ug/Kg		10/6/2021 17:49
3,3'-Dichlorobenzidine	< 1610	ug/Kg		10/6/2021 17:49

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: Inventum Engineering, P.C.

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01
Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 1610	ug/Kg	10/6/2021	17:49
4,6-Dinitro-2-methylphenol	< 1610	ug/Kg	10/6/2021	17:49
4-Bromophenyl phenyl ether	< 1610	ug/Kg	10/6/2021	17:49
4-Chloro-3-methylphenol	< 1610	ug/Kg	10/6/2021	17:49
4-Chloroaniline	< 1610	ug/Kg	10/6/2021	17:49
4-Chlorophenyl phenyl ether	< 1610	ug/Kg	10/6/2021	17:49
4-Nitroaniline	< 1610	ug/Kg	10/6/2021	17:49
4-Nitrophenol	< 1610	ug/Kg	10/6/2021	17:49
Acenaphthene	**1730**	ug/Kg	10/6/2021	17:49
Acenaphthylene	**1730**	ug/Kg	10/6/2021	17:49
Acetophenone	< 1610	ug/Kg	10/6/2021	17:49
Anthracene	**3300**	ug/Kg	10/6/2021	17:49
Atrazine	< 1610	ug/Kg	10/6/2021	17:49
Benzaldehyde	< 1610	ug/Kg	10/6/2021	17:49
Benzo (a) anthracene	**15600**	ug/Kg	10/6/2021	17:49
Benzo (a) pyrene	**18900**	ug/Kg	10/6/2021	17:49
Benzo (b) fluoranthene	**19500**	ug/Kg	10/6/2021	17:49
Benzo (g,h,i) perylene	**14100**	ug/Kg	10/6/2021	17:49
Benzo (k) fluoranthene	**12300**	ug/Kg	10/6/2021	17:49
Bis (2-chloroethoxy) methane	< 1610	ug/Kg	10/6/2021	17:49
Bis (2-chloroethyl) ether	< 1610	ug/Kg	10/6/2021	17:49
Bis (2-ethylhexyl) phthalate	< 1610	ug/Kg	10/6/2021	17:49
Butylbenzylphthalate	< 1610	ug/Kg	10/6/2021	17:49
Caprolactam	< 1610	ug/Kg	10/6/2021	17:49
Carbazole	**1850**	ug/Kg	10/6/2021	17:49

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01
Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**16300**	ug/Kg		10/6/2021	17:49
Dibenz (a,h) anthracene	**4770**	ug/Kg		10/6/2021	17:49
Dibenzofuran	**2290**	ug/Kg		10/6/2021	17:49
Diethyl phthalate	< 6420	ug/Kg		10/6/2021	17:49
Dimethyl phthalate	< 6420	ug/Kg		10/6/2021	17:49
Di-n-butyl phthalate	< 6420	ug/Kg		10/6/2021	17:49
Di-n-octylphthalate	< 6420	ug/Kg		10/6/2021	17:49
Fluoranthene	**20200**	ug/Kg		10/6/2021	17:49
Fluorene	**1570**	ug/Kg	J	10/6/2021	17:49
Hexachlorobenzene	< 1610	ug/Kg		10/6/2021	17:49
Hexachlorobutadiene	< 1610	ug/Kg		10/6/2021	17:49
Hexachlorocyclopentadiene	< 3210	ug/Kg		10/6/2021	17:49
Hexachloroethane	< 1610	ug/Kg		10/6/2021	17:49
Indeno (1,2,3-cd) pyrene	**12800**	ug/Kg		10/6/2021	17:49
Isophorone	< 1610	ug/Kg		10/6/2021	17:49
Naphthalene	**15600**	ug/Kg		10/6/2021	17:49
Nitrobenzene	< 1610	ug/Kg		10/6/2021	17:49
N-Nitroso-di-n-propylamine	< 1610	ug/Kg		10/6/2021	17:49
N-Nitrosodiphenylamine	< 1610	ug/Kg		10/6/2021	17:49
Pentachlorophenol	< 3210	ug/Kg		10/6/2021	17:49
Phenanthrene	**12200**	ug/Kg		10/6/2021	17:49
Phenol	< 1610	ug/Kg		10/6/2021	17:49
Pyrene	**17600**	ug/Kg		10/6/2021	17:49

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-01

Lab Sample ID: 214449-03 **Date Sampled:** 10/1/2021

Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**32.8**	36.4 - 87.2	*	10/6/2021 17:49
2-Fluorobiphenyl	**43.1**	44 - 84	*	10/6/2021 17:49
2-Fluorophenol	**36.3**	43.2 - 82.1	*	10/6/2021 17:49
Nitrobenzene-d5	**37.7**	36.4 - 82.2		10/6/2021 17:49
Phenol-d5	**40.5**	41.1 - 81.4	*	10/6/2021 17:49
Terphenyl-d14	**43.7**	43.8 - 103	*	10/6/2021 17:49

Method Reference(s): EPA 8270D
EPA 3546

Preparation Date: 10/5/2021

Data File: B57263.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-01		
Lab Sample ID:	214449-03	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Total Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Cyanide, Total	**53.4**	mg/Kg		10/5/2021

Method Reference(s): EPA 9014
EPA 9010C
Preparation Date: 10/5/2021

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Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-12		
Lab Sample ID:	214449-04	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.313**	mg/Kg		10/7/2021 10:31

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-12
Lab Sample ID: 214449-04 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**3250**	mg/Kg		10/6/2021 19:34
Antimony	< 3.56	mg/Kg		10/6/2021 19:34
Arsenic	**4.28**	mg/Kg		10/6/2021 19:34
Barium	**60.2**	mg/Kg		10/6/2021 19:34
Beryllium	**0.672**	mg/Kg		10/6/2021 19:34
Cadmium	**0.692**	mg/Kg		10/6/2021 19:34
Calcium	**10400**	mg/Kg		10/6/2021 19:34
Chromium	**8.44**	mg/Kg		10/6/2021 19:34
Cobalt	**5.04**	mg/Kg		10/6/2021 19:34
Copper	**29.8**	mg/Kg		10/6/2021 19:34
Iron	**10200**	mg/Kg		10/6/2021 19:34
Lead	**45.0**	mg/Kg		10/6/2021 19:34
Magnesium	**1460**	mg/Kg		10/6/2021 19:34
Manganese	**200**	mg/Kg		10/6/2021 19:34
Nickel	**11.6**	mg/Kg		10/6/2021 19:34
Potassium	**449**	mg/Kg		10/6/2021 19:34
Selenium	**1.45**	mg/Kg		10/7/2021 19:44
Silver	**0.529**	mg/Kg	J	10/6/2021 19:34
Sodium	**186**	mg/Kg		10/7/2021 19:44
Thallium	< 1.48	mg/Kg		10/6/2021 19:34
Vanadium	**10.3**	mg/Kg		10/6/2021 19:34
Zinc	**251**	mg/Kg		10/6/2021 19:34

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-12		
Lab Sample ID:	214449-04	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-12
Lab Sample ID: 214449-04 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1221	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1232	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1242	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1248	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1254	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1260	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1262	< 0.0343	mg/Kg		10/7/2021 15:50
PCB-1268	< 0.0343	mg/Kg		10/7/2021 15:50

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**35.6**	18.5 - 93.4		10/7/2021 15:50

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-12
Lab Sample ID: 214449-04 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**880**	ug/Kg	J	10/6/2021 18:18
1,2,4,5-Tetrachlorobenzene	< 1700	ug/Kg		10/6/2021 18:18
1,2,4-Trichlorobenzene	< 1700	ug/Kg		10/6/2021 18:18
1,2-Dichlorobenzene	< 1700	ug/Kg		10/6/2021 18:18
1,3-Dichlorobenzene	< 1700	ug/Kg		10/6/2021 18:18
1,4-Dichlorobenzene	< 1700	ug/Kg		10/6/2021 18:18
2,2-Oxybis (1-chloropropane)	< 1700	ug/Kg		10/6/2021 18:18
2,3,4,6-Tetrachlorophenol	< 1700	ug/Kg		10/6/2021 18:18
2,4,5-Trichlorophenol	< 1700	ug/Kg		10/6/2021 18:18
2,4,6-Trichlorophenol	< 1700	ug/Kg		10/6/2021 18:18
2,4-Dichlorophenol	< 1700	ug/Kg		10/6/2021 18:18
2,4-Dimethylphenol	< 1700	ug/Kg		10/6/2021 18:18
2,4-Dinitrophenol	< 6780	ug/Kg		10/6/2021 18:18
2,4-Dinitrotoluene	< 1700	ug/Kg		10/6/2021 18:18
2,6-Dinitrotoluene	< 1700	ug/Kg		10/6/2021 18:18
2-Chloronaphthalene	< 1700	ug/Kg		10/6/2021 18:18
2-Chlorophenol	< 1700	ug/Kg		10/6/2021 18:18
2-Methylnapthalene	**5100**	ug/Kg		10/6/2021 18:18
2-Methylphenol	< 1700	ug/Kg		10/6/2021 18:18
2-Nitroaniline	< 1700	ug/Kg		10/6/2021 18:18
2-Nitrophenol	< 1700	ug/Kg		10/6/2021 18:18
3&4-Methylphenol	< 1700	ug/Kg		10/6/2021 18:18
3,3'-Dichlorobenzidine	< 1700	ug/Kg		10/6/2021 18:18

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-12
Lab Sample ID: 214449-04 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 1700	ug/Kg		10/6/2021	18:18
4,6-Dinitro-2-methylphenol	< 1700	ug/Kg		10/6/2021	18:18
4-Bromophenyl phenyl ether	< 1700	ug/Kg		10/6/2021	18:18
4-Chloro-3-methylphenol	< 1700	ug/Kg		10/6/2021	18:18
4-Chloroaniline	< 1700	ug/Kg		10/6/2021	18:18
4-Chlorophenyl phenyl ether	< 1700	ug/Kg		10/6/2021	18:18
4-Nitroaniline	< 1700	ug/Kg		10/6/2021	18:18
4-Nitrophenol	< 1700	ug/Kg		10/6/2021	18:18
Acenaphthene	**8410**	ug/Kg		10/6/2021	18:18
Acenaphthylene	**905**	ug/Kg	J	10/6/2021	18:18
Acetophenone	< 1700	ug/Kg		10/6/2021	18:18
Anthracene	**5840**	ug/Kg		10/6/2021	18:18
Atrazine	< 1700	ug/Kg		10/6/2021	18:18
Benzaldehyde	< 1700	ug/Kg		10/6/2021	18:18
Benzo (a) anthracene	**30700**	ug/Kg		10/6/2021	18:18
Benzo (a) pyrene	**42400**	ug/Kg		10/6/2021	18:18
Benzo (b) fluoranthene	**44200**	ug/Kg		10/6/2021	18:18
Benzo (g,h,i) perylene	**32300**	ug/Kg		10/6/2021	18:18
Benzo (k) fluoranthene	**23400**	ug/Kg		10/6/2021	18:18
Bis (2-chloroethoxy) methane	< 1700	ug/Kg		10/6/2021	18:18
Bis (2-chloroethyl) ether	< 1700	ug/Kg		10/6/2021	18:18
Bis (2-ethylhexyl) phthalate	< 1700	ug/Kg		10/6/2021	18:18
Butylbenzylphthalate	< 1700	ug/Kg		10/6/2021	18:18
Caprolactam	< 1700	ug/Kg		10/6/2021	18:18
Carbazole	**4050**	ug/Kg		10/6/2021	18:18

Sample Identifier:	SS-ST06E-10012021-12		
Lab Sample ID:	214449-04	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Chrysene	**32400**	ug/Kg	10/6/2021	18:18
Dibenz (a,h) anthracene	**10300**	ug/Kg	10/6/2021	18:18
Dibenzofuran	**2610**	ug/Kg	10/6/2021	18:18
Diethyl phthalate	< 6780	ug/Kg	10/6/2021	18:18
Dimethyl phthalate	< 6780	ug/Kg	10/6/2021	18:18
Di-n-butyl phthalate	< 6780	ug/Kg	10/6/2021	18:18
Di-n-octylphthalate	< 6780	ug/Kg	10/6/2021	18:18
Fluoranthene	**45300**	ug/Kg	10/6/2021	18:18
Fluorene	**2950**	ug/Kg	10/6/2021	18:18
Hexachlorobenzene	< 1700	ug/Kg	10/6/2021	18:18
Hexachlorobutadiene	< 1700	ug/Kg	10/6/2021	18:18
Hexachlorocyclopentadiene	< 3390	ug/Kg	10/6/2021	18:18
Hexachloroethane	< 1700	ug/Kg	10/6/2021	18:18
Indeno (1,2,3-cd) pyrene	**29800**	ug/Kg	10/6/2021	18:18
Isophorone	< 1700	ug/Kg	10/6/2021	18:18
Naphthalene	**9600**	ug/Kg	10/6/2021	18:18
Nitrobenzene	< 1700	ug/Kg	10/6/2021	18:18
N-Nitroso-di-n-propylamine	< 1700	ug/Kg	10/6/2021	18:18
N-Nitrosodiphenylamine	< 1700	ug/Kg	10/6/2021	18:18
Pentachlorophenol	< 3390	ug/Kg	10/6/2021	18:18
Phenanthrene	**23600**	ug/Kg	10/6/2021	18:18
Phenol	< 1700	ug/Kg	10/6/2021	18:18
Pyrene	**41400**	ug/Kg	10/6/2021	18:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST06E-10012021-12

Lab Sample ID: 214449-04 **Date Sampled:** 10/1/2021

Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**41.9**	36.4 - 87.2		10/6/2021 18:18
2-Fluorobiphenyl	**54.1**	44 - 84		10/6/2021 18:18
2-Fluorophenol	**48.5**	43.2 - 82.1		10/6/2021 18:18
Nitrobenzene-d5	**50.3**	36.4 - 82.2		10/6/2021 18:18
Phenol-d5	**52.3**	41.1 - 81.4		10/6/2021 18:18
Terphenyl-d14	**56.0**	43.8 - 103		10/6/2021 18:18

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57264.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST06E-10012021-12		
Lab Sample ID:	214449-04	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Total Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Cyanide, Total	**4.56**	mg/Kg	DM	10/5/2021

Method Reference(s): EPA 9014
EPA 9010C

Preparation Date: 10/5/2021

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Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07E-10012021		
Lab Sample ID:	214449-05	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0205**	mg/Kg		10/7/2021 10:33

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**752**	mg/Kg		10/6/2021 19:38
Antimony	< 3.28	mg/Kg		10/6/2021 19:38
Arsenic	**2.07**	mg/Kg		10/6/2021 19:38
Barium	**31.5**	mg/Kg		10/6/2021 19:38
Beryllium	**0.145**	mg/Kg	J	10/6/2021 19:38
Cadmium	**0.311**	mg/Kg		10/6/2021 19:38
Calcium	**1370**	mg/Kg		10/6/2021 19:38
Chromium	**6.96**	mg/Kg		10/6/2021 19:38
Cobalt	**2.41**	mg/Kg	J	10/6/2021 19:38
Copper	**15.9**	mg/Kg		10/6/2021 19:38
Iron	**8820**	mg/Kg		10/6/2021 19:38
Lead	**7.03**	mg/Kg		10/6/2021 19:38
Magnesium	**149**	mg/Kg		10/6/2021 19:38
Manganese	**84.1**	mg/Kg		10/6/2021 19:38
Nickel	**5.33**	mg/Kg		10/6/2021 19:38
Potassium	**181**	mg/Kg		10/6/2021 19:38
Selenium	< 1.09	mg/Kg		10/7/2021 19:48
Silver	**0.370**	mg/Kg	J	10/6/2021 19:38
Sodium	**85.8**	mg/Kg	J	10/7/2021 19:48
Thallium	< 1.37	mg/Kg		10/6/2021 19:38
Vanadium	**3.39**	mg/Kg		10/6/2021 19:38
Zinc	**28.7**	mg/Kg		10/6/2021 19:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07E-10012021		
Lab Sample ID:	214449-05	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1221	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1232	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1242	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1248	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1254	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1260	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1262	< 0.0324	mg/Kg		10/6/2021 17:51
PCB-1268	< 0.0324	mg/Kg		10/6/2021 17:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**45.7**	18.5 - 93.4		10/6/2021 17:51

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 320	ug/Kg		10/6/2021 04:48
1,2,4,5-Tetrachlorobenzene	< 320	ug/Kg		10/6/2021 04:48
1,2,4-Trichlorobenzene	< 320	ug/Kg		10/6/2021 04:48
1,2-Dichlorobenzene	< 320	ug/Kg		10/6/2021 04:48
1,3-Dichlorobenzene	< 320	ug/Kg		10/6/2021 04:48
1,4-Dichlorobenzene	< 320	ug/Kg		10/6/2021 04:48
2,2-Oxybis (1-chloropropane)	< 320	ug/Kg		10/6/2021 04:48
2,3,4,6-Tetrachlorophenol	< 320	ug/Kg		10/6/2021 04:48
2,4,5-Trichlorophenol	< 320	ug/Kg		10/6/2021 04:48
2,4,6-Trichlorophenol	< 320	ug/Kg		10/6/2021 04:48
2,4-Dichlorophenol	< 320	ug/Kg		10/6/2021 04:48
2,4-Dimethylphenol	< 320	ug/Kg		10/6/2021 04:48
2,4-Dinitrophenol	< 1280	ug/Kg		10/6/2021 04:48
2,4-Dinitrotoluene	< 320	ug/Kg		10/6/2021 04:48
2,6-Dinitrotoluene	< 320	ug/Kg		10/6/2021 04:48
2-Chloronaphthalene	< 320	ug/Kg		10/6/2021 04:48
2-Chlorophenol	< 320	ug/Kg		10/6/2021 04:48
2-Methylnapthalene	**1040**	ug/Kg		10/6/2021 04:48
2-Methylphenol	< 320	ug/Kg		10/6/2021 04:48
2-Nitroaniline	< 320	ug/Kg		10/6/2021 04:48
2-Nitrophenol	< 320	ug/Kg		10/6/2021 04:48
3&4-Methylphenol	< 320	ug/Kg		10/6/2021 04:48
3,3'-Dichlorobenzidine	< 320	ug/Kg		10/6/2021 04:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 320	ug/Kg		10/6/2021	04:48
4,6-Dinitro-2-methylphenol	< 320	ug/Kg		10/6/2021	04:48
4-Bromophenyl phenyl ether	< 320	ug/Kg		10/6/2021	04:48
4-Chloro-3-methylphenol	< 320	ug/Kg		10/6/2021	04:48
4-Chloroaniline	< 320	ug/Kg		10/6/2021	04:48
4-Chlorophenyl phenyl ether	< 320	ug/Kg		10/6/2021	04:48
4-Nitroaniline	< 320	ug/Kg		10/6/2021	04:48
4-Nitrophenol	< 320	ug/Kg		10/6/2021	04:48
Acenaphthene	< 320	ug/Kg		10/6/2021	04:48
Acenaphthylene	< 320	ug/Kg		10/6/2021	04:48
Acetophenone	< 320	ug/Kg		10/6/2021	04:48
Anthracene	**227**	ug/Kg	J	10/6/2021	04:48
Atrazine	< 320	ug/Kg		10/6/2021	04:48
Benzaldehyde	< 320	ug/Kg		10/6/2021	04:48
Benzo (a) anthracene	**377**	ug/Kg		10/6/2021	04:48
Benzo (a) pyrene	**241**	ug/Kg	J	10/6/2021	04:48
Benzo (b) fluoranthene	**552**	ug/Kg		10/6/2021	04:48
Benzo (g,h,i) perylene	**245**	ug/Kg	J	10/6/2021	04:48
Benzo (k) fluoranthene	**336**	ug/Kg		10/6/2021	04:48
Bis (2-chloroethoxy) methane	< 320	ug/Kg		10/6/2021	04:48
Bis (2-chloroethyl) ether	< 320	ug/Kg		10/6/2021	04:48
Bis (2-ethylhexyl) phthalate	< 320	ug/Kg		10/6/2021	04:48
Butylbenzylphthalate	< 320	ug/Kg		10/6/2021	04:48
Caprolactam	< 320	ug/Kg		10/6/2021	04:48
Carbazole	< 320	ug/Kg		10/6/2021	04:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**657**	ug/Kg		10/6/2021	04:48
Dibenz (a,h) anthracene	< 320	ug/Kg		10/6/2021	04:48
Dibenzofuran	**393**	ug/Kg		10/6/2021	04:48
Diethyl phthalate	< 1280	ug/Kg		10/6/2021	04:48
Dimethyl phthalate	< 1280	ug/Kg		10/6/2021	04:48
Di-n-butyl phthalate	< 1280	ug/Kg		10/6/2021	04:48
Di-n-octylphthalate	< 1280	ug/Kg		10/6/2021	04:48
Fluoranthene	**763**	ug/Kg		10/6/2021	04:48
Fluorene	< 320	ug/Kg		10/6/2021	04:48
Hexachlorobenzene	< 320	ug/Kg		10/6/2021	04:48
Hexachlorobutadiene	< 320	ug/Kg		10/6/2021	04:48
Hexachlorocyclopentadiene	< 640	ug/Kg		10/6/2021	04:48
Hexachloroethane	< 320	ug/Kg		10/6/2021	04:48
Indeno (1,2,3-cd) pyrene	**223**	ug/Kg	J	10/6/2021	04:48
Isophorone	< 320	ug/Kg		10/6/2021	04:48
Naphthalene	**1340**	ug/Kg		10/6/2021	04:48
Nitrobenzene	< 320	ug/Kg		10/6/2021	04:48
N-Nitroso-di-n-propylamine	< 320	ug/Kg		10/6/2021	04:48
N-Nitrosodiphenylamine	< 320	ug/Kg		10/6/2021	04:48
Pentachlorophenol	< 640	ug/Kg		10/6/2021	04:48
Phenanthrene	**1460**	ug/Kg		10/6/2021	04:48
Phenol	< 320	ug/Kg		10/6/2021	04:48
Pyrene	**554**	ug/Kg		10/6/2021	04:48

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**28.6**	36.4 - 87.2	*	10/6/2021 04:48
2-Fluorobiphenyl	**41.2**	44 - 84	*	10/6/2021 04:48
2-Fluorophenol	**33.8**	43.2 - 82.1	*	10/6/2021 04:48
Nitrobenzene-d5	**41.2**	36.4 - 82.2		10/6/2021 04:48
Phenol-d5	**39.2**	41.1 - 81.4	*	10/6/2021 04:48
Terphenyl-d14	**38.4**	43.8 - 103	*	10/6/2021 04:48

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57249.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,1,1-Trichloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,1,2,2-Tetrachloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,1,2-Trichloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,1-Dichloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,1-Dichloroethene	< 4.69	ug/Kg		10/7/2021 11:17
1,1-Dichloropropene	< 4.69	ug/Kg		10/7/2021 11:17
1,2,3-Trichlorobenzene	< 11.7	ug/Kg		10/7/2021 11:17
1,2,3-Trichloropropane	< 4.69	ug/Kg		10/7/2021 11:17
1,2,4-Trichlorobenzene	< 11.7	ug/Kg		10/7/2021 11:17
1,2,4-Trimethylbenzene	< 4.69	ug/Kg		10/7/2021 11:17
1,2-Dibromo-3-Chloropropane	< 23.5	ug/Kg		10/7/2021 11:17
1,2-Dibromoethane	< 4.69	ug/Kg		10/7/2021 11:17
1,2-Dichlorobenzene	< 4.69	ug/Kg		10/7/2021 11:17
1,2-Dichloroethane	< 4.69	ug/Kg		10/7/2021 11:17
1,2-Dichloropropane	< 4.69	ug/Kg		10/7/2021 11:17
1,3,5-Trimethylbenzene	< 4.69	ug/Kg		10/7/2021 11:17
1,3-Dichlorobenzene	< 4.69	ug/Kg		10/7/2021 11:17
1,3-Dichloropropane	< 4.69	ug/Kg		10/7/2021 11:17
1,4-Dichlorobenzene	< 4.69	ug/Kg		10/7/2021 11:17
1,4-Dioxane	< 46.9	ug/Kg		10/7/2021 11:17
2,2-Dichloropropane	< 4.69	ug/Kg		10/7/2021 11:17
2-Butanone	< 23.5	ug/Kg		10/7/2021 11:17

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

2-Chlorotoluene	< 4.69	ug/Kg		10/7/2021	11:17
2-Hexanone	< 11.7	ug/Kg		10/7/2021	11:17
4-Chlorotoluene	< 4.69	ug/Kg		10/7/2021	11:17
4-Methyl-2-pentanone	< 11.7	ug/Kg		10/7/2021	11:17
Acetone	< 23.5	ug/Kg		10/7/2021	11:17
Benzene	< 4.69	ug/Kg		10/7/2021	11:17
Bromobenzene	< 11.7	ug/Kg		10/7/2021	11:17
Bromochloromethane	< 11.7	ug/Kg		10/7/2021	11:17
Bromodichloromethane	< 4.69	ug/Kg	L	10/7/2021	11:17
Bromoform	< 11.7	ug/Kg		10/7/2021	11:17
Bromomethane	< 4.69	ug/Kg		10/7/2021	11:17
Carbon disulfide	< 4.69	ug/Kg		10/7/2021	11:17
Carbon Tetrachloride	< 4.69	ug/Kg		10/7/2021	11:17
Chlorobenzene	< 4.69	ug/Kg		10/7/2021	11:17
Chloroethane	< 4.69	ug/Kg		10/7/2021	11:17
Chloroform	< 4.69	ug/Kg		10/7/2021	11:17
Chloromethane	< 4.69	ug/Kg		10/7/2021	11:17
cis-1,2-Dichloroethene	< 4.69	ug/Kg		10/7/2021	11:17
cis-1,3-Dichloropropene	< 4.69	ug/Kg		10/7/2021	11:17
Cyclohexane	< 23.5	ug/Kg		10/7/2021	11:17
Dibromochloromethane	< 4.69	ug/Kg		10/7/2021	11:17
Dibromomethane	< 4.69	ug/Kg		10/7/2021	11:17
Dichlorodifluoromethane	< 4.69	ug/Kg		10/7/2021	11:17
Ethylbenzene	< 4.69	ug/Kg		10/7/2021	11:17
Freon 113	< 4.69	ug/Kg		10/7/2021	11:17

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Isopropylbenzene	< 4.69	ug/Kg	10/7/2021	11:17
m,p-Xylene	< 4.69	ug/Kg	10/7/2021	11:17
Methyl acetate	< 4.69	ug/Kg	10/7/2021	11:17
Methyl tert-butyl Ether	< 4.69	ug/Kg	10/7/2021	11:17
Methylcyclohexane	< 4.69	ug/Kg	10/7/2021	11:17
Methylene chloride	**50.4**	ug/Kg	10/7/2021	11:17
Naphthalene	< 11.7	ug/Kg	10/7/2021	11:17
n-Butylbenzene	< 4.69	ug/Kg	10/7/2021	11:17
n-Propylbenzene	< 4.69	ug/Kg	10/7/2021	11:17
o-Xylene	< 4.69	ug/Kg	10/7/2021	11:17
p-Isopropyltoluene	< 4.69	ug/Kg	10/7/2021	11:17
sec-Butylbenzene	< 4.69	ug/Kg	10/7/2021	11:17
Styrene	< 11.7	ug/Kg	10/7/2021	11:17
tert-Butylbenzene	< 4.69	ug/Kg	10/7/2021	11:17
Tetrachloroethene	< 4.69	ug/Kg	10/7/2021	11:17
Toluene	< 4.69	ug/Kg	10/7/2021	11:17
trans-1,2-Dichloroethene	< 4.69	ug/Kg	10/7/2021	11:17
trans-1,3-Dichloropropene	< 4.69	ug/Kg	10/7/2021	11:17
Trichloroethene	< 4.69	ug/Kg	10/7/2021	11:17
Trichlorofluoromethane	< 4.69	ug/Kg	10/7/2021	11:17
Vinyl chloride	< 4.69	ug/Kg	10/7/2021	11:17

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07E-10012021
Lab Sample ID: 214449-05 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**107**	88.8 - 123		10/7/2021 11:17
4-Bromofluorobenzene	**81.2**	68.7 - 115		10/7/2021 11:17
Pentafluorobenzene	**123**	80.2 - 112	*	10/7/2021 11:17
Toluene-D8	**86.3**	83.5 - 123		10/7/2021 11:17

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z04548.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07W-10012021		
Lab Sample ID:	214449-06	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0607**	mg/Kg		10/7/2021 10:35

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**1490**	mg/Kg		10/6/2021 19:43
Antimony	< 3.29	mg/Kg		10/6/2021 19:43
Arsenic	**10.1**	mg/Kg		10/6/2021 19:43
Barium	**48.2**	mg/Kg		10/6/2021 19:43
Beryllium	**0.334**	mg/Kg		10/6/2021 19:43
Cadmium	**0.553**	mg/Kg		10/6/2021 19:43
Calcium	**4480**	mg/Kg		10/6/2021 19:43
Chromium	**14.1**	mg/Kg		10/6/2021 19:43
Cobalt	**8.24**	mg/Kg		10/6/2021 19:43
Copper	**22.3**	mg/Kg		10/6/2021 19:43
Iron	**10500**	mg/Kg		10/6/2021 19:43
Lead	**12.6**	mg/Kg		10/6/2021 19:43
Magnesium	**733**	mg/Kg		10/6/2021 19:43
Manganese	**4810**	mg/Kg		10/8/2021 08:10
Nickel	**17.2**	mg/Kg		10/6/2021 19:43
Potassium	**298**	mg/Kg		10/6/2021 19:43
Selenium	**1.18**	mg/Kg		10/7/2021 19:53
Silver	**1.39**	mg/Kg		10/6/2021 19:43
Sodium	**106**	mg/Kg	J	10/7/2021 19:53
Thallium	< 1.37	mg/Kg		10/6/2021 19:43
Vanadium	**5.57**	mg/Kg		10/6/2021 19:43
Zinc	**44.9**	mg/Kg		10/6/2021 19:43

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07W-10012021		
Lab Sample ID:	214449-06	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1221	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1232	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1242	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1248	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1254	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1260	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1262	< 0.0314	mg/Kg		10/6/2021 18:15
PCB-1268	< 0.0314	mg/Kg		10/6/2021 18:15

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**41.8**	18.5 - 93.4		10/6/2021 18:15

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**174**	ug/Kg	J	10/6/2021 05:17
1,2,4,5-Tetrachlorobenzene	< 295	ug/Kg		10/6/2021 05:17
1,2,4-Trichlorobenzene	< 295	ug/Kg		10/6/2021 05:17
1,2-Dichlorobenzene	< 295	ug/Kg		10/6/2021 05:17
1,3-Dichlorobenzene	< 295	ug/Kg		10/6/2021 05:17
1,4-Dichlorobenzene	< 295	ug/Kg		10/6/2021 05:17
2,2-Oxybis (1-chloropropane)	< 295	ug/Kg		10/6/2021 05:17
2,3,4,6-Tetrachlorophenol	< 295	ug/Kg		10/6/2021 05:17
2,4,5-Trichlorophenol	< 295	ug/Kg		10/6/2021 05:17
2,4,6-Trichlorophenol	< 295	ug/Kg		10/6/2021 05:17
2,4-Dichlorophenol	< 295	ug/Kg		10/6/2021 05:17
2,4-Dimethylphenol	< 295	ug/Kg		10/6/2021 05:17
2,4-Dinitrophenol	< 1180	ug/Kg		10/6/2021 05:17
2,4-Dinitrotoluene	< 295	ug/Kg		10/6/2021 05:17
2,6-Dinitrotoluene	< 295	ug/Kg		10/6/2021 05:17
2-Chloronaphthalene	< 295	ug/Kg		10/6/2021 05:17
2-Chlorophenol	< 295	ug/Kg		10/6/2021 05:17
2-Methylnapthalene	**862**	ug/Kg		10/6/2021 05:17
2-Methylphenol	< 295	ug/Kg		10/6/2021 05:17
2-Nitroaniline	< 295	ug/Kg		10/6/2021 05:17
2-Nitrophenol	< 295	ug/Kg		10/6/2021 05:17
3&4-Methylphenol	< 295	ug/Kg		10/6/2021 05:17
3,3'-Dichlorobenzidine	< 295	ug/Kg		10/6/2021 05:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: Inventum Engineering, P.C.

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 295	ug/Kg		10/6/2021	05:17
4,6-Dinitro-2-methylphenol	< 295	ug/Kg		10/6/2021	05:17
4-Bromophenyl phenyl ether	< 295	ug/Kg		10/6/2021	05:17
4-Chloro-3-methylphenol	< 295	ug/Kg		10/6/2021	05:17
4-Chloroaniline	< 295	ug/Kg		10/6/2021	05:17
4-Chlorophenyl phenyl ether	< 295	ug/Kg		10/6/2021	05:17
4-Nitroaniline	< 295	ug/Kg		10/6/2021	05:17
4-Nitrophenol	< 295	ug/Kg		10/6/2021	05:17
Acenaphthene	< 295	ug/Kg		10/6/2021	05:17
Acenaphthylene	**458**	ug/Kg		10/6/2021	05:17
Acetophenone	< 295	ug/Kg		10/6/2021	05:17
Anthracene	**630**	ug/Kg		10/6/2021	05:17
Atrazine	< 295	ug/Kg		10/6/2021	05:17
Benzaldehyde	< 295	ug/Kg		10/6/2021	05:17
Benzo (a) anthracene	**1380**	ug/Kg		10/6/2021	05:17
Benzo (a) pyrene	**1070**	ug/Kg		10/6/2021	05:17
Benzo (b) fluoranthene	**1460**	ug/Kg		10/6/2021	05:17
Benzo (g,h,i) perylene	**841**	ug/Kg		10/6/2021	05:17
Benzo (k) fluoranthene	**1050**	ug/Kg		10/6/2021	05:17
Bis (2-chloroethoxy) methane	< 295	ug/Kg		10/6/2021	05:17
Bis (2-chloroethyl) ether	< 295	ug/Kg		10/6/2021	05:17
Bis (2-ethylhexyl) phthalate	< 295	ug/Kg		10/6/2021	05:17
Butylbenzylphthalate	< 295	ug/Kg		10/6/2021	05:17
Caprolactam	< 295	ug/Kg		10/6/2021	05:17
Carbazole	**276**	ug/Kg	J	10/6/2021	05:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**1590**	ug/Kg	10/6/2021	05:17
Dibenz (a,h) anthracene	**302**	ug/Kg	10/6/2021	05:17
Dibenzofuran	**432**	ug/Kg	10/6/2021	05:17
Diethyl phthalate	< 1180	ug/Kg	10/6/2021	05:17
Dimethyl phthalate	< 1180	ug/Kg	10/6/2021	05:17
Di-n-butyl phthalate	< 1180	ug/Kg	10/6/2021	05:17
Di-n-octylphthalate	< 1180	ug/Kg	10/6/2021	05:17
Fluoranthene	**3380**	ug/Kg	10/6/2021	05:17
Fluorene	**401**	ug/Kg	10/6/2021	05:17
Hexachlorobenzene	< 295	ug/Kg	10/6/2021	05:17
Hexachlorobutadiene	< 295	ug/Kg	10/6/2021	05:17
Hexachlorocyclopentadiene	< 590	ug/Kg	10/6/2021	05:17
Hexachloroethane	< 295	ug/Kg	10/6/2021	05:17
Indeno (1,2,3-cd) pyrene	**737**	ug/Kg	10/6/2021	05:17
Isophorone	< 295	ug/Kg	10/6/2021	05:17
Naphthalene	**1470**	ug/Kg	10/6/2021	05:17
Nitrobenzene	< 295	ug/Kg	10/6/2021	05:17
N-Nitroso-di-n-propylamine	< 295	ug/Kg	10/6/2021	05:17
N-Nitrosodiphenylamine	< 295	ug/Kg	10/6/2021	05:17
Pentachlorophenol	< 590	ug/Kg	10/6/2021	05:17
Phenanthrene	**2990**	ug/Kg	10/6/2021	05:17
Phenol	< 295	ug/Kg	10/6/2021	05:17
Pyrene	**2590**	ug/Kg	10/6/2021	05:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**24.9**	36.4 - 87.2	*	10/6/2021 05:17
2-Fluorobiphenyl	**36.6**	44 - 84	*	10/6/2021 05:17
2-Fluorophenol	**30.3**	43.2 - 82.1	*	10/6/2021 05:17
Nitrobenzene-d5	**37.3**	36.4 - 82.2		10/6/2021 05:17
Phenol-d5	**35.7**	41.1 - 81.4	*	10/6/2021 05:17
Terphenyl-d14	**36.1**	43.8 - 103	*	10/6/2021 05:17

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57250.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,1,1-Trichloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,1,2,2-Tetrachloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,1,2-Trichloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,1-Dichloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,1-Dichloroethene	< 4.26	ug/Kg		10/7/2021 11:36
1,1-Dichloropropene	< 4.26	ug/Kg		10/7/2021 11:36
1,2,3-Trichlorobenzene	< 10.6	ug/Kg		10/7/2021 11:36
1,2,3-Trichloropropane	< 4.26	ug/Kg		10/7/2021 11:36
1,2,4-Trichlorobenzene	< 10.6	ug/Kg		10/7/2021 11:36
1,2,4-Trimethylbenzene	< 4.26	ug/Kg		10/7/2021 11:36
1,2-Dibromo-3-Chloropropane	< 21.3	ug/Kg		10/7/2021 11:36
1,2-Dibromoethane	< 4.26	ug/Kg		10/7/2021 11:36
1,2-Dichlorobenzene	< 4.26	ug/Kg		10/7/2021 11:36
1,2-Dichloroethane	< 4.26	ug/Kg		10/7/2021 11:36
1,2-Dichloropropane	< 4.26	ug/Kg		10/7/2021 11:36
1,3,5-Trimethylbenzene	< 4.26	ug/Kg		10/7/2021 11:36
1,3-Dichlorobenzene	< 4.26	ug/Kg		10/7/2021 11:36
1,3-Dichloropropane	< 4.26	ug/Kg		10/7/2021 11:36
1,4-Dichlorobenzene	< 4.26	ug/Kg		10/7/2021 11:36
1,4-Dioxane	< 42.6	ug/Kg		10/7/2021 11:36
2,2-Dichloropropane	< 4.26	ug/Kg		10/7/2021 11:36
2-Butanone	< 21.3	ug/Kg		10/7/2021 11:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

2-Chlorotoluene	< 4.26	ug/Kg		10/7/2021	11:36
2-Hexanone	< 10.6	ug/Kg		10/7/2021	11:36
4-Chlorotoluene	< 4.26	ug/Kg		10/7/2021	11:36
4-Methyl-2-pentanone	< 10.6	ug/Kg		10/7/2021	11:36
Acetone	**11.2**	ug/Kg	J	10/7/2021	11:36
Benzene	< 4.26	ug/Kg		10/7/2021	11:36
Bromobenzene	< 10.6	ug/Kg		10/7/2021	11:36
Bromochloromethane	< 10.6	ug/Kg		10/7/2021	11:36
Bromodichloromethane	< 4.26	ug/Kg	L	10/7/2021	11:36
Bromoform	< 10.6	ug/Kg		10/7/2021	11:36
Bromomethane	< 4.26	ug/Kg		10/7/2021	11:36
Carbon disulfide	< 4.26	ug/Kg		10/7/2021	11:36
Carbon Tetrachloride	< 4.26	ug/Kg		10/7/2021	11:36
Chlorobenzene	< 4.26	ug/Kg		10/7/2021	11:36
Chloroethane	< 4.26	ug/Kg		10/7/2021	11:36
Chloroform	< 4.26	ug/Kg		10/7/2021	11:36
Chloromethane	< 4.26	ug/Kg		10/7/2021	11:36
cis-1,2-Dichloroethene	< 4.26	ug/Kg		10/7/2021	11:36
cis-1,3-Dichloropropene	< 4.26	ug/Kg		10/7/2021	11:36
Cyclohexane	< 21.3	ug/Kg		10/7/2021	11:36
Dibromochloromethane	< 4.26	ug/Kg		10/7/2021	11:36
Dibromomethane	< 4.26	ug/Kg		10/7/2021	11:36
Dichlorodifluoromethane	< 4.26	ug/Kg		10/7/2021	11:36
Ethylbenzene	< 4.26	ug/Kg		10/7/2021	11:36
Freon 113	< 4.26	ug/Kg		10/7/2021	11:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Isopropylbenzene	< 4.26	ug/Kg	10/7/2021	11:36
m,p-Xylene	< 4.26	ug/Kg	10/7/2021	11:36
Methyl acetate	< 4.26	ug/Kg	10/7/2021	11:36
Methyl tert-butyl Ether	< 4.26	ug/Kg	10/7/2021	11:36
Methylcyclohexane	< 4.26	ug/Kg	10/7/2021	11:36
Methylene chloride	**44.4**	ug/Kg	10/7/2021	11:36
Naphthalene	< 10.6	ug/Kg	10/7/2021	11:36
n-Butylbenzene	< 4.26	ug/Kg	10/7/2021	11:36
n-Propylbenzene	< 4.26	ug/Kg	10/7/2021	11:36
o-Xylene	< 4.26	ug/Kg	10/7/2021	11:36
p-Isopropyltoluene	< 4.26	ug/Kg	10/7/2021	11:36
sec-Butylbenzene	< 4.26	ug/Kg	10/7/2021	11:36
Styrene	< 10.6	ug/Kg	10/7/2021	11:36
tert-Butylbenzene	< 4.26	ug/Kg	10/7/2021	11:36
Tetrachloroethene	< 4.26	ug/Kg	10/7/2021	11:36
Toluene	< 4.26	ug/Kg	10/7/2021	11:36
trans-1,2-Dichloroethene	< 4.26	ug/Kg	10/7/2021	11:36
trans-1,3-Dichloropropene	< 4.26	ug/Kg	10/7/2021	11:36
Trichloroethene	< 4.26	ug/Kg	10/7/2021	11:36
Trichlorofluoromethane	< 4.26	ug/Kg	10/7/2021	11:36
Vinyl chloride	< 4.26	ug/Kg	10/7/2021	11:36

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07W-10012021
Lab Sample ID: 214449-06 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**100**	88.8 - 123		10/7/2021 11:36
4-Bromofluorobenzene	**88.2**	68.7 - 115		10/7/2021 11:36
Pentafluorobenzene	**113**	80.2 - 112	*	10/7/2021 11:36
Toluene-D8	**81.5**	83.5 - 123	*	10/7/2021 11:36

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z04549.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Corrosivity as pH

Analyte	Result	Units	Qualifier	Date Analyzed
Corrosivity (as pH)	8.62 @ 22.5 C	S.U.		10/8/2021 11:21

Method Reference(s): EPA 9045D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, September 22, 2025

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Ignitability

Analyte	Result	Units	Qualifier	Date Analyzed
Ignitability	No Burn	mm / sec		10/7/2021

Method Reference(s): EPA 1030

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, September 22, 2025

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0260**	mg/Kg		10/7/2021 10:36

Method Reference(s): EPA 7471B
Preparation Date: 10/6/2021
Data File: Hg211007C

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**1710**	mg/Kg		10/6/2021 19:47
Antimony	< 3.41	mg/Kg		10/6/2021 19:47
Arsenic	**3.16**	mg/Kg		10/6/2021 19:47
Barium	**46.7**	mg/Kg		10/6/2021 19:47
Beryllium	**0.738**	mg/Kg		10/6/2021 19:47
Cadmium	**0.334**	mg/Kg		10/6/2021 19:47
Calcium	**17600**	mg/Kg		10/6/2021 19:47
Chromium	**8.16**	mg/Kg		10/6/2021 19:47
Cobalt	**4.97**	mg/Kg		10/6/2021 19:47
Copper	**14.4**	mg/Kg		10/6/2021 19:47
Iron	**5180**	mg/Kg		10/6/2021 19:47
Lead	**14.3**	mg/Kg		10/6/2021 19:47
Magnesium	**2080**	mg/Kg		10/6/2021 19:47
Manganese	**97.0**	mg/Kg		10/6/2021 19:47
Nickel	**8.47**	mg/Kg		10/6/2021 19:47
Potassium	**257**	mg/Kg		10/6/2021 19:47
Selenium	**0.977**	mg/Kg	J	10/7/2021 19:58
Silver	**0.310**	mg/Kg	J	10/6/2021 19:47
Sodium	**76.0**	mg/Kg	J	10/7/2021 19:58
Thallium	< 1.42	mg/Kg		10/6/2021 19:47
Vanadium	**8.86**	mg/Kg		10/6/2021 19:47
Zinc	**39.5**	mg/Kg		10/6/2021 19:47

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Method Reference(s):	EPA 6010C
	EPA 3050B
Preparation Date:	10/5/2021
Data File:	211006B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1221	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1232	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1242	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1248	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1254	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1260	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1262	< 0.0330	mg/Kg		10/6/2021 18:39
PCB-1268	< 0.0330	mg/Kg		10/6/2021 18:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**35.4**	18.5 - 93.4		10/6/2021 18:39

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/5/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**224**	ug/Kg	J	10/6/2021 05:46
1,2,4,5-Tetrachlorobenzene	< 318	ug/Kg		10/6/2021 05:46
1,2,4-Trichlorobenzene	< 318	ug/Kg		10/6/2021 05:46
1,2-Dichlorobenzene	< 318	ug/Kg		10/6/2021 05:46
1,3-Dichlorobenzene	< 318	ug/Kg		10/6/2021 05:46
1,4-Dichlorobenzene	< 318	ug/Kg		10/6/2021 05:46
2,2-Oxybis (1-chloropropane)	< 318	ug/Kg		10/6/2021 05:46
2,3,4,6-Tetrachlorophenol	< 318	ug/Kg		10/6/2021 05:46
2,4,5-Trichlorophenol	< 318	ug/Kg		10/6/2021 05:46
2,4,6-Trichlorophenol	< 318	ug/Kg		10/6/2021 05:46
2,4-Dichlorophenol	< 318	ug/Kg		10/6/2021 05:46
2,4-Dimethylphenol	< 318	ug/Kg		10/6/2021 05:46
2,4-Dinitrophenol	< 1270	ug/Kg		10/6/2021 05:46
2,4-Dinitrotoluene	< 318	ug/Kg		10/6/2021 05:46
2,6-Dinitrotoluene	< 318	ug/Kg		10/6/2021 05:46
2-Chloronaphthalene	< 318	ug/Kg		10/6/2021 05:46
2-Chlorophenol	< 318	ug/Kg		10/6/2021 05:46
2-Methylnapthalene	**1330**	ug/Kg		10/6/2021 05:46
2-Methylphenol	< 318	ug/Kg		10/6/2021 05:46
2-Nitroaniline	< 318	ug/Kg		10/6/2021 05:46
2-Nitrophenol	< 318	ug/Kg		10/6/2021 05:46
3&4-Methylphenol	< 318	ug/Kg		10/6/2021 05:46
3,3'-Dichlorobenzidine	< 318	ug/Kg		10/6/2021 05:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: Inventum Engineering, P.C.

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

3-Nitroaniline	< 318	ug/Kg		10/6/2021	05:46
4,6-Dinitro-2-methylphenol	< 318	ug/Kg		10/6/2021	05:46
4-Bromophenyl phenyl ether	< 318	ug/Kg		10/6/2021	05:46
4-Chloro-3-methylphenol	< 318	ug/Kg		10/6/2021	05:46
4-Chloroaniline	< 318	ug/Kg		10/6/2021	05:46
4-Chlorophenyl phenyl ether	< 318	ug/Kg		10/6/2021	05:46
4-Nitroaniline	< 318	ug/Kg		10/6/2021	05:46
4-Nitrophenol	< 318	ug/Kg		10/6/2021	05:46
Acenaphthene	< 318	ug/Kg		10/6/2021	05:46
Acenaphthylene	**314**	ug/Kg	J	10/6/2021	05:46
Acetophenone	< 318	ug/Kg		10/6/2021	05:46
Anthracene	**561**	ug/Kg		10/6/2021	05:46
Atrazine	< 318	ug/Kg		10/6/2021	05:46
Benzaldehyde	< 318	ug/Kg		10/6/2021	05:46
Benzo (a) anthracene	**730**	ug/Kg		10/6/2021	05:46
Benzo (a) pyrene	**674**	ug/Kg		10/6/2021	05:46
Benzo (b) fluoranthene	**928**	ug/Kg		10/6/2021	05:46
Benzo (g,h,i) perylene	**614**	ug/Kg		10/6/2021	05:46
Benzo (k) fluoranthene	**541**	ug/Kg		10/6/2021	05:46
Bis (2-chloroethoxy) methane	< 318	ug/Kg		10/6/2021	05:46
Bis (2-chloroethyl) ether	< 318	ug/Kg		10/6/2021	05:46
Bis (2-ethylhexyl) phthalate	< 318	ug/Kg		10/6/2021	05:46
Butylbenzylphthalate	< 318	ug/Kg		10/6/2021	05:46
Caprolactam	< 318	ug/Kg		10/6/2021	05:46
Carbazole	**221**	ug/Kg	J	10/6/2021	05:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Chrysene	**928**	ug/Kg		10/6/2021	05:46
Dibenz (a,h) anthracene	**215**	ug/Kg	J	10/6/2021	05:46
Dibenzofuran	**620**	ug/Kg		10/6/2021	05:46
Diethyl phthalate	< 1270	ug/Kg		10/6/2021	05:46
Dimethyl phthalate	< 1270	ug/Kg		10/6/2021	05:46
Di-n-butyl phthalate	< 1270	ug/Kg		10/6/2021	05:46
Di-n-octylphthalate	< 1270	ug/Kg		10/6/2021	05:46
Fluoranthene	**1280**	ug/Kg		10/6/2021	05:46
Fluorene	**265**	ug/Kg	J	10/6/2021	05:46
Hexachlorobenzene	< 318	ug/Kg		10/6/2021	05:46
Hexachlorobutadiene	< 318	ug/Kg		10/6/2021	05:46
Hexachlorocyclopentadiene	< 636	ug/Kg		10/6/2021	05:46
Hexachloroethane	< 318	ug/Kg		10/6/2021	05:46
Indeno (1,2,3-cd) pyrene	**556**	ug/Kg		10/6/2021	05:46
Isophorone	< 318	ug/Kg		10/6/2021	05:46
Naphthalene	**2680**	ug/Kg		10/6/2021	05:46
Nitrobenzene	< 318	ug/Kg		10/6/2021	05:46
N-Nitroso-di-n-propylamine	< 318	ug/Kg		10/6/2021	05:46
N-Nitrosodiphenylamine	< 318	ug/Kg		10/6/2021	05:46
Pentachlorophenol	< 636	ug/Kg		10/6/2021	05:46
Phenanthrene	**2200**	ug/Kg		10/6/2021	05:46
Phenol	< 318	ug/Kg		10/6/2021	05:46
Pyrene	**955**	ug/Kg		10/6/2021	05:46

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**17.5**	36.4 - 87.2	*	10/6/2021 05:46
2-Fluorobiphenyl	**23.4**	44 - 84	*	10/6/2021 05:46
2-Fluorophenol	**23.3**	43.2 - 82.1	*	10/6/2021 05:46
Nitrobenzene-d5	**24.9**	36.4 - 82.2	*	10/6/2021 05:46
Phenol-d5	**24.0**	41.1 - 81.4	*	10/6/2021 05:46
Terphenyl-d14	**20.7**	43.8 - 103	*	10/6/2021 05:46

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/5/2021
Data File: B57251.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,1,1-Trichloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,1,2,2-Tetrachloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,1,2-Trichloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,1-Dichloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,1-Dichloroethene	< 4.46	ug/Kg		10/7/2021 11:55
1,1-Dichloropropene	< 4.46	ug/Kg		10/7/2021 11:55
1,2,3-Trichlorobenzene	< 11.2	ug/Kg		10/7/2021 11:55
1,2,3-Trichloropropane	< 4.46	ug/Kg		10/7/2021 11:55
1,2,4-Trichlorobenzene	< 11.2	ug/Kg		10/7/2021 11:55
1,2,4-Trimethylbenzene	< 4.46	ug/Kg		10/7/2021 11:55
1,2-Dibromo-3-Chloropropane	< 22.3	ug/Kg		10/7/2021 11:55
1,2-Dibromoethane	< 4.46	ug/Kg		10/7/2021 11:55
1,2-Dichlorobenzene	< 4.46	ug/Kg		10/7/2021 11:55
1,2-Dichloroethane	< 4.46	ug/Kg		10/7/2021 11:55
1,2-Dichloropropane	< 4.46	ug/Kg		10/7/2021 11:55
1,3,5-Trimethylbenzene	< 4.46	ug/Kg		10/7/2021 11:55
1,3-Dichlorobenzene	< 4.46	ug/Kg		10/7/2021 11:55
1,3-Dichloropropane	< 4.46	ug/Kg		10/7/2021 11:55
1,4-Dichlorobenzene	< 4.46	ug/Kg		10/7/2021 11:55
1,4-Dioxane	< 44.6	ug/Kg		10/7/2021 11:55
2,2-Dichloropropane	< 4.46	ug/Kg		10/7/2021 11:55
2-Butanone	< 22.3	ug/Kg		10/7/2021 11:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

2-Chlorotoluene	< 4.46	ug/Kg		10/7/2021	11:55
2-Hexanone	< 11.2	ug/Kg		10/7/2021	11:55
4-Chlorotoluene	< 4.46	ug/Kg		10/7/2021	11:55
4-Methyl-2-pentanone	< 11.2	ug/Kg		10/7/2021	11:55
Acetone	< 22.3	ug/Kg		10/7/2021	11:55
Benzene	< 4.46	ug/Kg		10/7/2021	11:55
Bromobenzene	< 11.2	ug/Kg		10/7/2021	11:55
Bromochloromethane	< 11.2	ug/Kg		10/7/2021	11:55
Bromodichloromethane	< 4.46	ug/Kg	L	10/7/2021	11:55
Bromoform	< 11.2	ug/Kg		10/7/2021	11:55
Bromomethane	< 4.46	ug/Kg		10/7/2021	11:55
Carbon disulfide	< 4.46	ug/Kg		10/7/2021	11:55
Carbon Tetrachloride	< 4.46	ug/Kg		10/7/2021	11:55
Chlorobenzene	< 4.46	ug/Kg		10/7/2021	11:55
Chloroethane	< 4.46	ug/Kg		10/7/2021	11:55
Chloroform	< 4.46	ug/Kg		10/7/2021	11:55
Chloromethane	< 4.46	ug/Kg		10/7/2021	11:55
cis-1,2-Dichloroethene	< 4.46	ug/Kg		10/7/2021	11:55
cis-1,3-Dichloropropene	< 4.46	ug/Kg		10/7/2021	11:55
Cyclohexane	< 22.3	ug/Kg		10/7/2021	11:55
Dibromochloromethane	< 4.46	ug/Kg		10/7/2021	11:55
Dibromomethane	< 4.46	ug/Kg		10/7/2021	11:55
Dichlorodifluoromethane	< 4.46	ug/Kg		10/7/2021	11:55
Ethylbenzene	< 4.46	ug/Kg		10/7/2021	11:55
Freon 113	< 4.46	ug/Kg		10/7/2021	11:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Isopropylbenzene	< 4.46	ug/Kg	10/7/2021	11:55
m,p-Xylene	< 4.46	ug/Kg	10/7/2021	11:55
Methyl acetate	< 4.46	ug/Kg	10/7/2021	11:55
Methyl tert-butyl Ether	< 4.46	ug/Kg	10/7/2021	11:55
Methylcyclohexane	< 4.46	ug/Kg	10/7/2021	11:55
Methylene chloride	**22.1**	ug/Kg	10/7/2021	11:55
Naphthalene	< 11.2	ug/Kg	10/7/2021	11:55
n-Butylbenzene	< 4.46	ug/Kg	10/7/2021	11:55
n-Propylbenzene	< 4.46	ug/Kg	10/7/2021	11:55
o-Xylene	< 4.46	ug/Kg	10/7/2021	11:55
p-Isopropyltoluene	< 4.46	ug/Kg	10/7/2021	11:55
sec-Butylbenzene	< 4.46	ug/Kg	10/7/2021	11:55
Styrene	< 11.2	ug/Kg	10/7/2021	11:55
tert-Butylbenzene	< 4.46	ug/Kg	10/7/2021	11:55
Tetrachloroethene	< 4.46	ug/Kg	10/7/2021	11:55
Toluene	< 4.46	ug/Kg	10/7/2021	11:55
trans-1,2-Dichloroethene	< 4.46	ug/Kg	10/7/2021	11:55
trans-1,3-Dichloropropene	< 4.46	ug/Kg	10/7/2021	11:55
Trichloroethene	< 4.46	ug/Kg	10/7/2021	11:55
Trichlorofluoromethane	< 4.46	ug/Kg	10/7/2021	11:55
Vinyl chloride	< 4.46	ug/Kg	10/7/2021	11:55

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07 **Date Sampled:** 10/1/2021
Matrix: Soil **Date Received:** 10/4/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**95.2**	88.8 - 123		10/7/2021	11:55
4-Bromofluorobenzene	**77.1**	68.7 - 115		10/7/2021	11:55
Pentafluorobenzene	**131**	80.2 - 112	*	10/7/2021	11:55
Toluene-D8	**101**	83.5 - 123		10/7/2021	11:55

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z04550.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07	**Date Sampled:**	10/1/2021
Matrix:	Soil	**Date Received:**	10/4/2021

Paint Filter Test

Analyte	Result	Units	Qualifier	Date Analyzed
Paint Filter Test	Pass	N/A		10/8/2021

Method Reference(s): EPA 9095B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, September 22, 2025

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07A **Date Sampled:** 10/1/2021
Matrix: TCLP Extract **Date Received:** 10/4/2021

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		10/8/2021 13:52
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		10/8/2021 13:52
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		10/8/2021 13:52
2,4-Dinitrotoluene	< 40.0	ug/L	130		10/8/2021 13:52
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		10/8/2021 13:52
Hexachlorobenzene	< 40.0	ug/L	130		10/8/2021 13:52
Hexachlorobutadiene	< 40.0	ug/L	500		10/8/2021 13:52
Hexachloroethane	< 40.0	ug/L	3000		10/8/2021 13:52
Nitrobenzene	< 40.0	ug/L	2000		10/8/2021 13:52
Pentachlorophenol	< 80.0	ug/L	100000		10/8/2021 13:52
Pyridine	< 40.0	ug/L	5000		10/8/2021 13:52

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**65.9**	55.4 - 111		10/8/2021 13:52
2-Fluorobiphenyl	**65.5**	30.9 - 98.1		10/8/2021 13:52
2-Fluorophenol	**63.5**	10 - 105		10/8/2021 13:52
Nitrobenzene-d5	**69.2**	49.6 - 104		10/8/2021 13:52
Phenol-d5	**60.3**	10 - 105		10/8/2021 13:52
Terphenyl-d14	**68.5**	56.5 - 118		10/8/2021 13:52

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 10/7/2021
Data File: B57300.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier:	SS-ST07N-10012021		
Lab Sample ID:	214449-07A	**Date Sampled:**	10/1/2021
Matrix:	TCLP Extract	**Date Received:**	10/4/2021

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		10/8/2021 10:51

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 10/7/2021
Data File: Hg211008A

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07A **Date Sampled:** 10/1/2021
Matrix: TCLP Extract **Date Received:** 10/4/2021

TCLP Pesticides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Chlordane	< 2.00	ug/L	30		10/8/2021 14:12
Endrin	< 2.00	ug/L	20		10/8/2021 14:12
gamma-BHC (Lindane)	< 1.00	ug/L	400		10/8/2021 14:12
Heptachlor	< 1.00	ug/L	8		10/8/2021 14:12
Heptachlor Epoxide	< 1.00	ug/L	8		10/8/2021 14:12
Methoxychlor	< 2.00	ug/L	10000		10/8/2021 14:12
Toxaphene	< 20.0	ug/L	500		10/8/2021 14:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**126**	10 - 185		10/8/2021 14:12
Tetrachloro-m-xylene (1)	**110**	20.4 - 124		10/8/2021 14:12

Method Reference(s): EPA 8081B
EPA 1311 / 3510C
Preparation Date: 10/7/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07A **Date Sampled:** 10/1/2021
Matrix: TCLP Extract **Date Received:** 10/4/2021

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		10/7/2021 16:18
Barium	**0.460**	mg/L	100	J	10/7/2021 16:18
Cadmium	< 0.0250	mg/L	1		10/7/2021 16:18
Chromium	< 0.500	mg/L	5		10/7/2021 16:18
Lead	< 0.500	mg/L	5		10/7/2021 16:18
Selenium	< 0.500	mg/L	1		10/7/2021 16:18
Silver	< 0.500	mg/L	5		10/7/2021 16:18

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 10/7/2021
Data File: 211007B

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214449

Client: **Inventum Engineering, P.C.**

Project Reference: Secondary Containment

Sample Identifier: SS-ST07N-10012021
Lab Sample ID: 214449-07A **Date Sampled:** 10/1/2021
Matrix: TCLP Extract **Date Received:** 10/4/2021

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		10/7/2021 14:49
1,2-Dichloroethane	< 20.0	ug/L	500		10/7/2021 14:49
2-Butanone	< 100	ug/L	200000		10/7/2021 14:49
Benzene	< 20.0	ug/L	500		10/7/2021 14:49
Carbon Tetrachloride	< 20.0	ug/L	500		10/7/2021 14:49
Chlorobenzene	< 20.0	ug/L	100000		10/7/2021 14:49
Chloroform	< 20.0	ug/L	6000		10/7/2021 14:49
Tetrachloroethene	< 20.0	ug/L	700		10/7/2021 14:49
Trichloroethene	< 20.0	ug/L	500		10/7/2021 14:49
Vinyl chloride	< 20.0	ug/L	200		10/7/2021 14:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**121**	83 - 120	*	10/7/2021 14:49
4-Bromofluorobenzene	**109**	65.5 - 118		10/7/2021 14:49
Pentafluorobenzene	**120**	91.2 - 109	*	10/7/2021 14:49
Toluene-D8	**117**	79.7 - 112	*	10/7/2021 14:49

Method Reference(s): EPA 8260C
EPA 1311 / 5030C
Data File: z04559.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"H" = Sample analyzed outside of holding time.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
CLIENT: INVENTUM ENGINEERING	CLIENT: SAME	LAB PROJECT ID: 214449
ADDRESS: 481 CARLISLE DR SUITE 202	ADDRESS:	
CITY: HERNDON STATE: VA ZIP: 20170	CITY: STATE: ZIP:	Quotation #:
PHONE: 585-734-5255	PHONE:	Email: roxanne.birx@inventumeng.com john.black@inventumeng.com
ATTN: ROXANNE BIRX	ATTN: JOHN BLACK	

PROJECT REFERENCE
SECONDARY CONTAINMENT

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	SVOCs TCL 8270	CYANIDE 9012	PCBs 8082	TAL METALS	Mercury 7471	VOCs TCL 8260	AMMONIA 350.1	FULL TCLP	HAZCAT	Methanol per email dtd 10/5/21	REMARKS	PARADIGM LAB SAMPLE NUMBER
10/01/21	8:45		X	SS-STO6W-10012021-01	SO	1	X	X	X	X	X					X	A for TCLP extract.	01
10/01/21	8:45		X	SS-STO6W-10012021-12	SO	1	X	X	X	X	X					X	dtd 10/4/21	02
10/01/21	9:15		X	SS-STO6E-10012021-01	SO	1	X	X	X	X	X					X		03
10/01/21	9:15		X	SS-STO6E-10012021-12	SO	1	X	X	X	X	X					X		04
10/01/21	11:30		X	SS-STO7E-10012021	SO	2	X		X	X	X	X						05
10/01/21	11:45		X	SS-STO7W-10012021	SO	2	X		X	X	X	X						06
10/01/21	11:30		X	SS-STO7N-10012021	SO	3	X		X	X	X	X	X	X	X		*HAZ CAT: IGNITE REACTIVITY, CORROSIVITY, PAINT FILTER	07A
																	9°C ice started in field	

No custody seals on 10/1/21 1642

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☒	None Required	☐	None Required	☐
10 day	☐	Batch QC	☒	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☒
Rush 2 day	☐	Category B	☐	LEVEL IV DATA	
Rush 1 day	☐				
Date Needed _____ please indicate date needed:		Other please indicate package needed:	☐	Other EDD please indicate EDD needed:	☐

ROXANNE BIRX	10/1/21 8:45	Total Cost:
Sampled By	Date/Time	
Relinquished By	10/1/21 12:15	
	Date/Time	
Received By	10-1-21	P.I.F.
	Date/Time	
Received @ Lab By	10/4/21 11:41	
	Date/Time	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: Inventum Engineering **Completed by:** Glenn Pezzulo

Lab Project ID: 214449 **Date:** 10/4/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X	X 5035 (05,06,07)	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X TCLP VOA		X
Comments	Portion of samples 01, 02, 03, 04 transferred to 2oz glass jars for Methanol sub-out. dP 10/5/21		
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	9°C iced started in field		
Compliant Sample Quantity/Type	X		
Comments			

Adirondack Environmental Services, Inc

Date: *12-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST07N-10012021
Work Order:	**211007023**	**Collection Date:**	10/1/2021 11:30:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211007023-001
PO#:		**Matrix:**	TCLP-EXTRACT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCLP HERBICIDES - EPA 8321B						Analyst: **KF**
(Prep: SW3535A - 10/11/2021)						
2,4,5-TP (Silvex)-TCLP	**ND**	0.050		mg/L	1	10/12/2021 8:54:12 AM
2,4-D-TCLP	**ND**	0.050		mg/L	1	10/12/2021 8:54:12 AM
Surr: Acifluorfen	**41.7**	52.5-128	S	%REC	1	10/12/2021 8:54:12 AM
Surr: DCAA	**70.2**	56.2-139		%REC	1	10/12/2021 8:54:12 AM

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- X - Value exceeds Maximum Contaminant Level
- E - Value above quantitation range-Estimate
- S - LCS Spike below accepted limits (+ above)
- Z - RPD outside accepted recovery limits
- N - Matrix Spike below accepted limits (+ above)
- T - Tentitively Identified Compound-Estimated Conc.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

21100 7023

1 of 1

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID:

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJEC
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable	☐ 1 ☐ 2 ☐ 3 ☐ 5
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due: 10/13/21	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCLP Herbicides									REMARKS	PARADIGM SAMPLE NUMBER
						TCLP											ASP Cat B Package Due 10/21 Report J Flags. Report as d SW-846 HT's. SDG closed.	
1	10/1/21	11:30		X	SS-STOTN-10012021	extract	1	X										214449-07A
2																		
3																	Sample spun at	
4																	Paradigm 10/6/21	
5																		
6																		
7																		
8																		
9																		
10																		

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments: Not AES. AC 10/7		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 4°C	Y ☐	N ☐
Comments:		

Client

Sampled By	Date/Time	
2P2	10/7/21	08:30
Relinquished By	Date/Time	
	10/7/21	12:55
Received By	Date/Time	
	10/7/21	4125
Received @ Lab By	Date/Time	

Total Cost:

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(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Adirondack Environmental Services, Inc

Date: *12-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST06W-10012021-01
Work Order:	**211006013**	**Collection Date:**	10/1/2021 8:45:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211006013-001
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NON-HALOGENATED VOLATILES-EPA 8015D (**Prep: SW8015D - 10/12/2021**)						Analyst: **TSZ**
Methanol	**ND**	11		µg/g-dry	1	10/12/2021 1:29:00 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **ZM**
Percent Moisture	**12.9**	0.1		wt%	1	10/7/2021

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *12-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST06W-10012021-12
Work Order:	**211006013**	**Collection Date:**	10/1/2021 8:45:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211006013-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NON-HALOGENATED VOLATILES-EPA 8015D						Analyst: **TSZ**
(Prep: SW8015D - 10/12/2021)						
Methanol	**ND**	13		µg/g-dry	1	10/12/2021 1:39:00 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **ZM**
Percent Moisture	**22.9**	0.1		wt%	1	10/7/2021

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *12-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST06E-10012021-01
Work Order:	**211006013**	**Collection Date:**	10/1/2021 9:15:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211006013-003
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NON-HALOGENATED VOLATILES-EPA 8015D						Analyst: **TSZ**
(Prep: SW8015D - 10/12/2021)						
Methanol	**ND**	12		µg/g-dry	1	10/12/2021 1:50:00 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **ZM**
Percent Moisture	**14.8**	0.1		wt%	1	10/7/2021

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *12-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST06E-10012021-12
Work Order:	**211006013**	**Collection Date:**	10/1/2021 9:15:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211006013-004
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NON-HALOGENATED VOLATILES-EPA 8015D						Analyst: **TSZ**
(Prep: SW8015D - 10/12/2021)						
Methanol	**ND**	12		µg/g-dry	1	10/12/2021 2:00:00 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **ZM**
Percent Moisture	**14.6**	0.1		wt%	1	10/7/2021

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- X - Value exceeds Maximum Contaminant Level
- E - Value above quantitation range-Estimate
- S - LCS Spike below accepted limits (+ above)
- Z - RPD outside accepted recovery limits
- N - Matrix Spike below accepted limits (+ above)
- T - Tentitively Identified Compound-Estimated Conc.

21100G013

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1 of 1

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 1

Demo 21100G013

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable	☐1 ☐2 ☐3 ☒5
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due: 10/13/21 for

REQUESTED ANALYSIS

ASP Cat B Package Due 10/
Report J Flags. Report as dry

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Methanol	REMARKS	PARADIGM LAB SAMPLE NUMBER
001	1 10/1/21	08:45		X	SS-ST06W-10012021-01	Soil	1	X	SW-846 HT's. SDG closed.	21449-01
002	2	08:45			SS-ST06W-10012021-12					-02
003	3	09:15			SS-ST06E-10012021-01					-03
004	4	09:15			SS-ST06E-10012021-12					-04
	5									
	6									
	7									
	8									
	9									
	10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments: Not AES At 10/6		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 4°C	Y ☐	N ☐
Comments:		

Client

Sampled By	Date/Time	
[signature]	10/6/21	08:30
Relinquished By	Date/Time	
[signature]	10/6/21	2122
Received By	Date/Time	
[signature]	10/6/21	5:30pm
Received @ Lab By	Date/Time	

Total Cost:

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(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Adirondack Environmental Services, Inc

Date: *07-Oct-21*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	SS-ST07N-10012021
Work Order:	**211005006**	**Collection Date:**	10/1/2021 11:30:00 AM
Reference:	Sample Analysis / Project# 214449	**Lab Sample ID:**	211005006-001
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AMMONIA AS N - SM 4500 NH3 G-2011						Analyst: **KB**
(Prep: SM4500-NH3 G - 10/6/2021)						
Nitrogen, Ammonia- (as N)	**ND**	23.0		µg/g-dry	10	10/7/2021 12:22:48 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **CMH**
Percent Moisture	**14.5**	0.1		wt%	1	10/6/2021
SW 7.3.3.2, NOT ELAP CERTIFIED						Analyst: **KB**
(Prep: E335.4 - 10/6/2021)						
Reactive Cyanide	**ND**	1.0		µg/g	1	10/6/2021 3:39:17 PM
SW 7.3.4.2, NOT ELAP CERTIFIED						Analyst: **CS**
(Prep: E335.4 - 10/6/2021)						
Reactive Sulfide	**10**	10		µg/g	1	10/6/2021
REACTIVITY - SW 7.3.4.2, NOT ELAP CERTIFIED						Analyst: **CS**
Reactivity	**Non Reactive**	0			1	10/6/2021

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

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211005006

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 10

REPORT TO:		INVOICE TO:	
COMPANY:	Paradigm Environmental	COMPANY:	Same
ADDRESS:		ADDRESS:	
CITY: STATE: ZIP:		CITY: STATE: ZIP:	
PHONE: FAX:		PHONE: FAX:	
ATTN:	Reporting	ATTN:	Accounts Payable
COMMENTS:	Please email results to reporting@paradigmenv.com		

LAB PROJECT #:

CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)

STD 1 2 3 5

Date Due: 10/12/21 for

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Reactivity	Ammonia									REMARKS	PARADIGM LAB SAMPLE NUMBER
																		ASP Cat B Package Due 10/26	
																		Report J Flags. Report as dry wt	
																		SW-846 HT's. SDG closed	
1	10/1/21	11:30		X	SS-STO7N-10012021	Soil	1	X	X									21449-07	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	NON APES	Y ☐	N ☐
Comments:			
Preservation:		Y ☐	N ☐
Comments:			
Holding Time:		Y ☐	N ☐
Comments:			
Temperature:		Y ☑	N ☐
Comments:	4°C		

Client

Sampled By	Date/Time	
2P2	10/5/21	08:30
Relinquished By	Date/Time	
Lynn Fuchs	10/5/21	1:35
Received By	Date/Time	
	10/5/21	5:30 PM
Received @ Lab By	Date/Time	

Total Cost:

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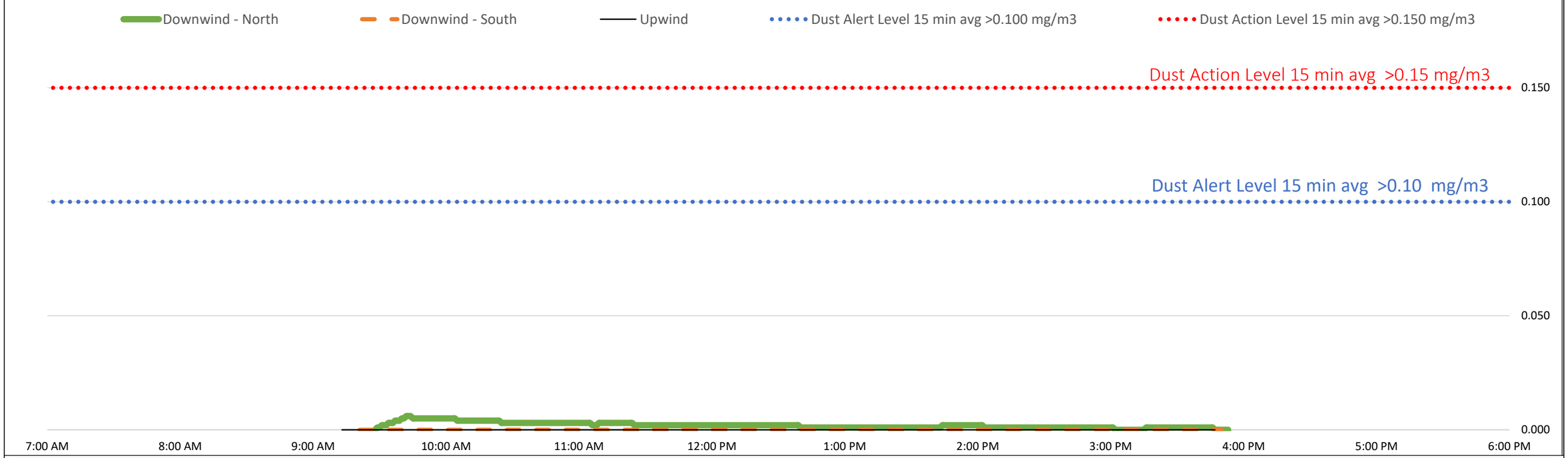
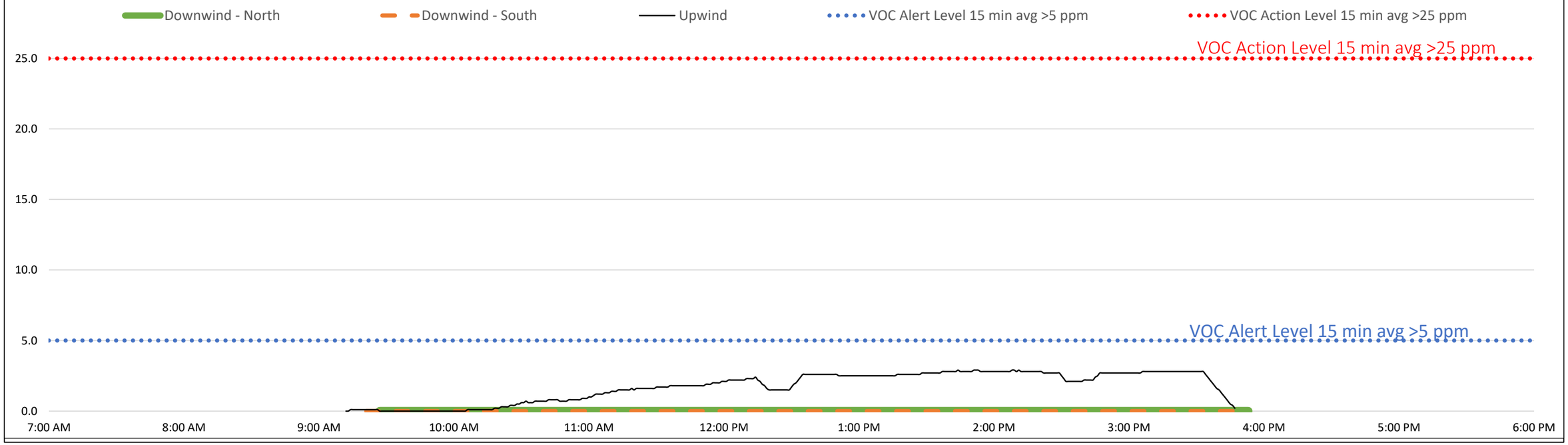
Appendix B – CAMP Data

Fixed Station Daily Air Monitoring - September 23, 2021

Dust (mg/m3) 15 min avg

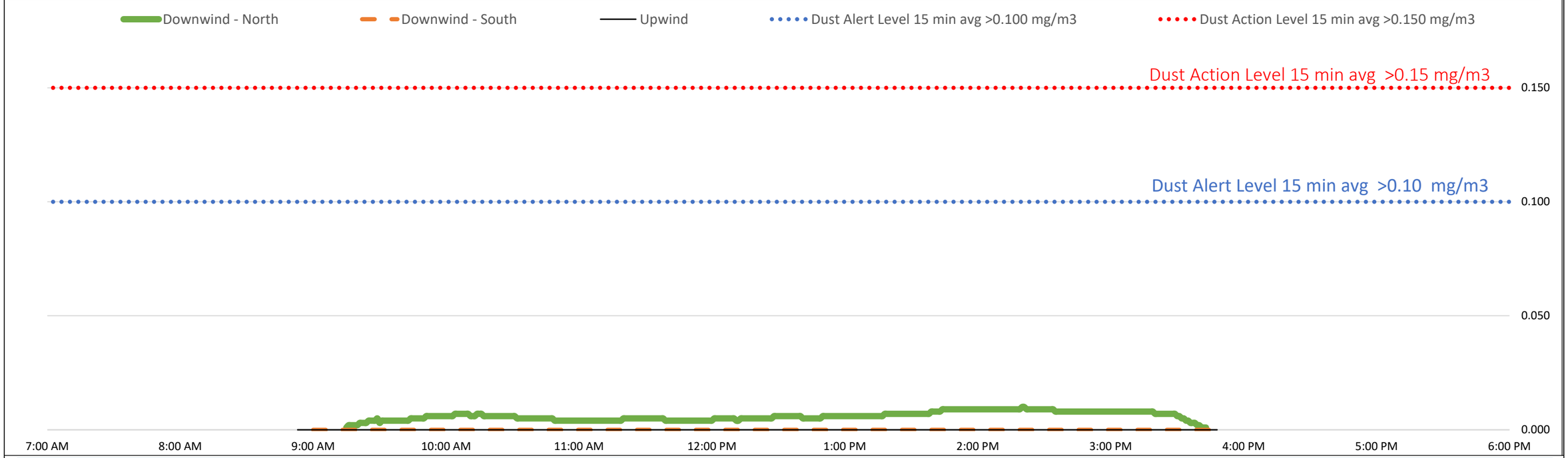


VOC (ppm) 15 min avg

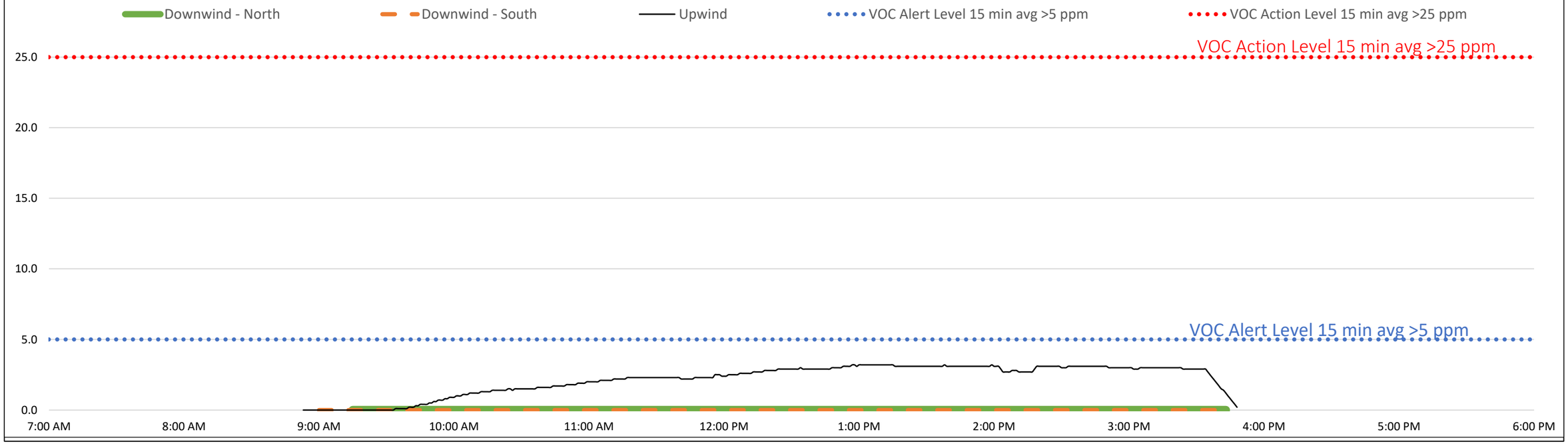


Fixed Station Daily Air Monitoring - October 1, 2021

Dust (mg/m3) 15 min avg

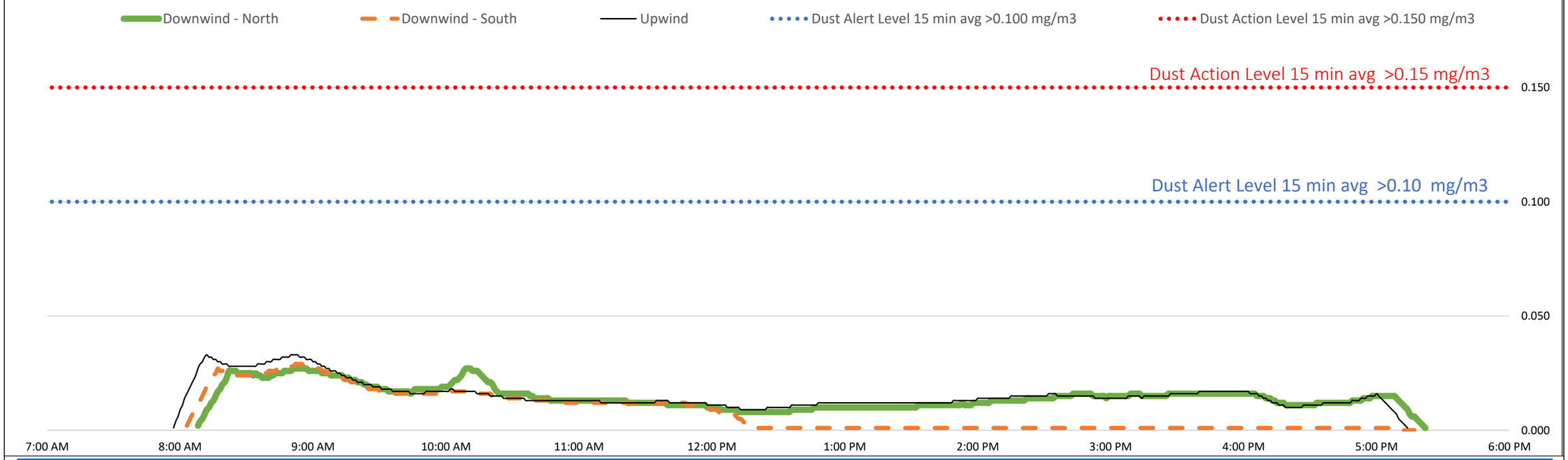


VOC (ppm) 15 min avg

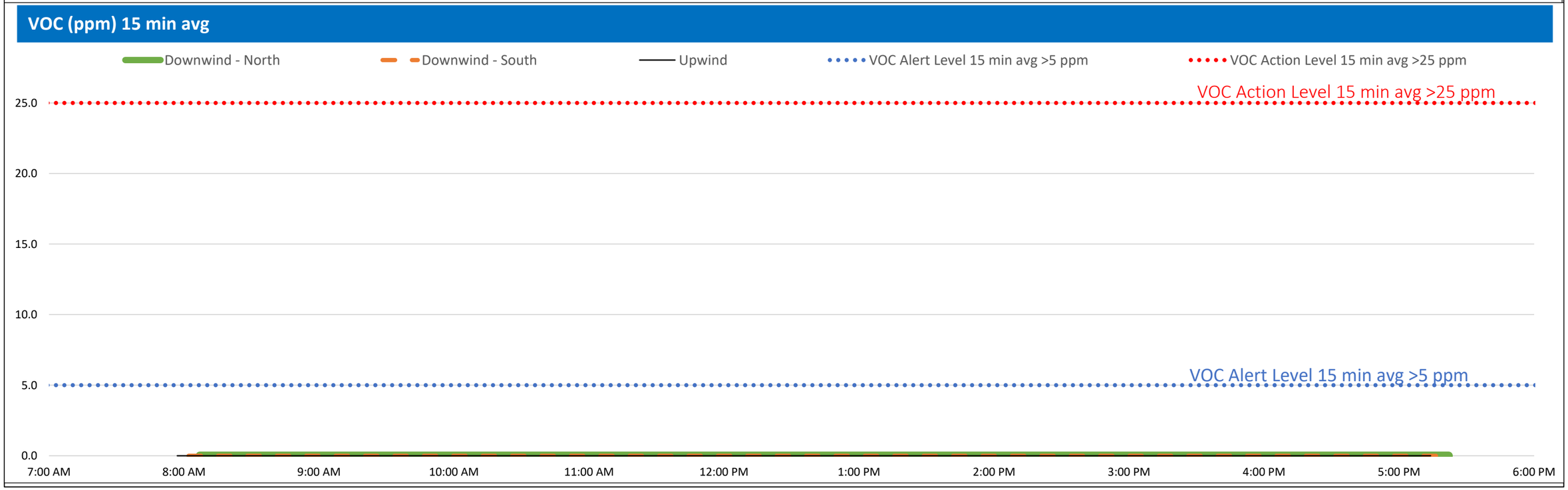


Fixed Station Daily Air Monitoring - February 8, 2022

Dust (mg/m3) 15 min avg

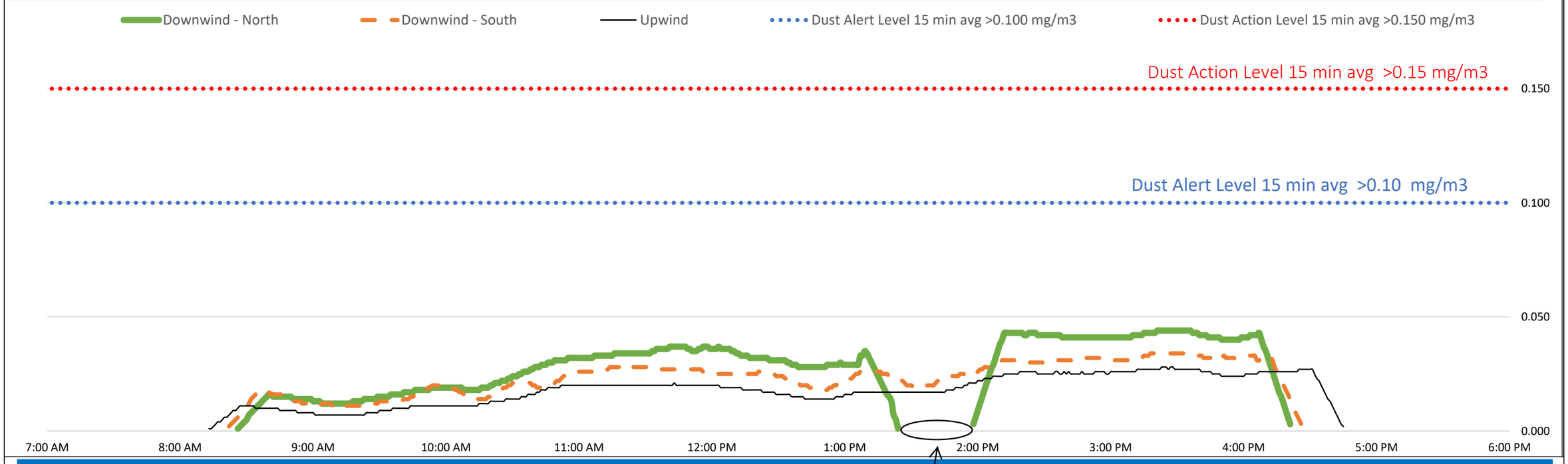


VOC (ppm) 15 min avg

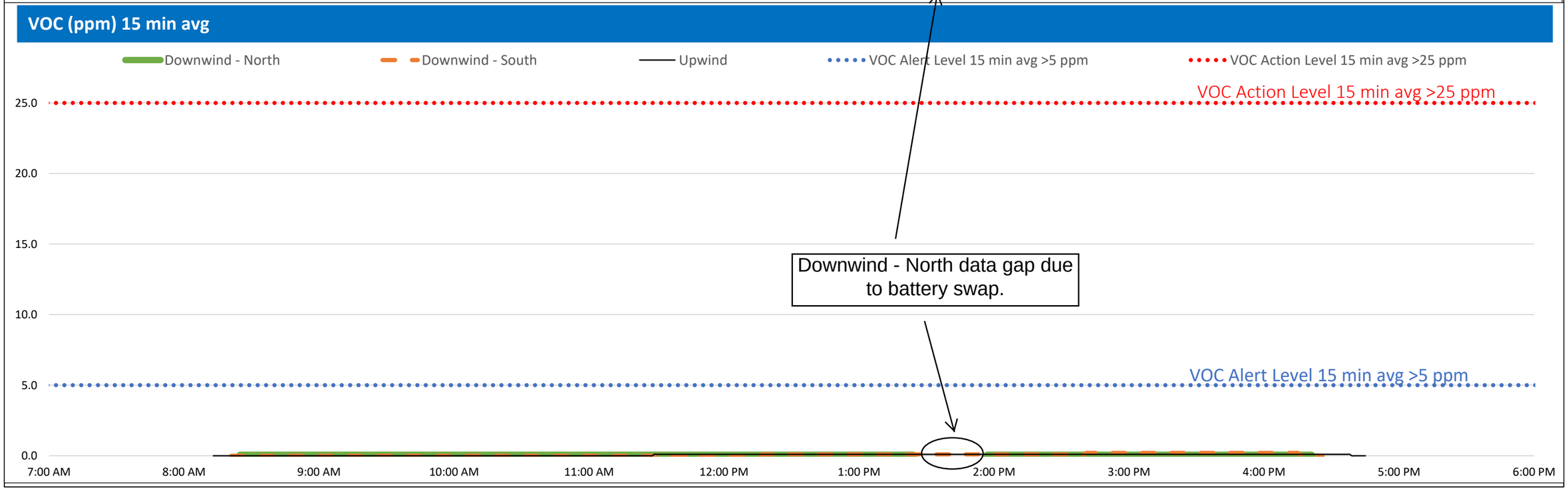


Fixed Station Daily Air Monitoring - May 19, 2022

Dust (mg/m3) 15 min avg

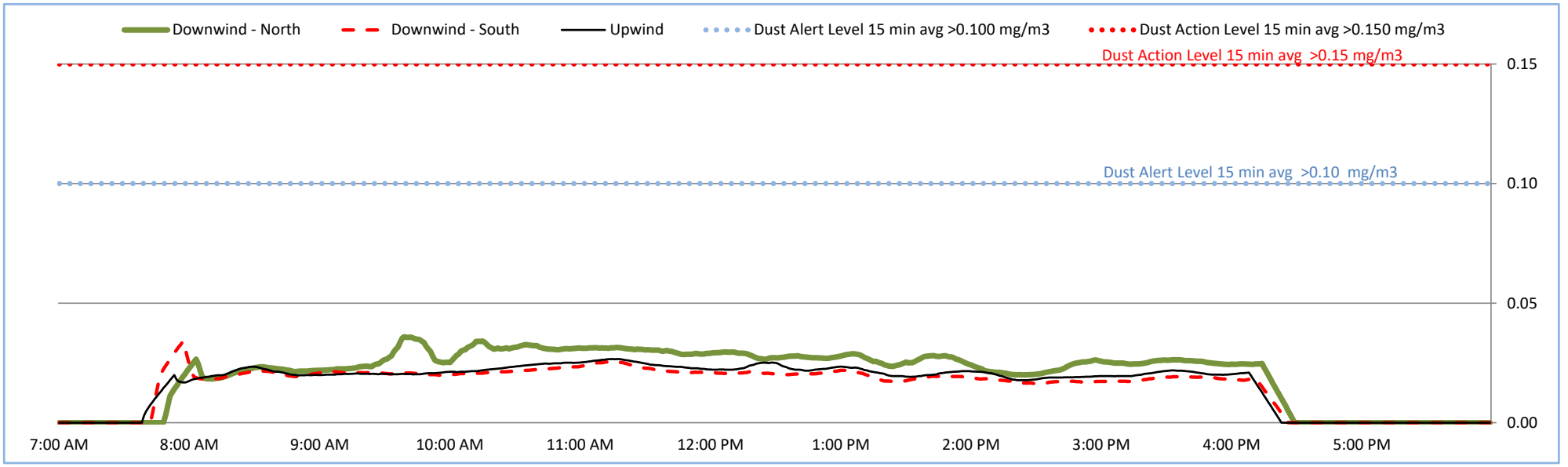


VOC (ppm) 15 min avg



Fixed Station Daily Air Monitoring - December 16, 2022

Dust (mg/m3) 15 min avg



VOC (ppm) 15 min avg