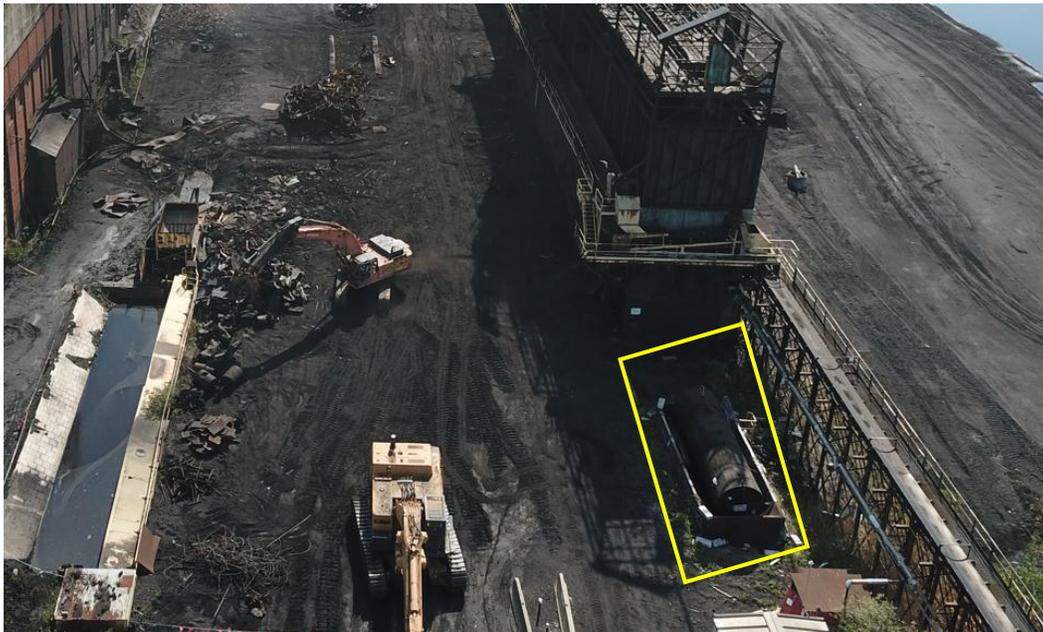




INVENTUM ENGINEERING

Secondary Containment Closure Construction Completion Report Waste Oil Tank ST07



**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
WWW.INVENTUMENG.COM**

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Background

The secondary containment around the ST07 waste oil tank was located west of the Coal Crusher Building and was constructed of reinforced concrete. There was approximately 3 feet of liquid in the waste oil tank, but no liquid was observed in the secondary containment. Black material coated the walls and base of the secondary containment, possibly sealant. Tank ST07 was managed and removed 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 ST07 was removed the containment residuals were containerized in five cubic yard boxes and disposed with the oil removed from the tank at Veolia Environmental Services.

ST07 was a petroleum bulk storage (PBS) tank registered with the New York State Department of Environmental Conservation (NYSDEC). The Management, closure, and contents disposal or recycling of ST07 contents, secondary containment contents, and secondary containment concrete 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 ST07 secondary containment was 35-feet long, 15-feet wide, and covered 530 square feet (nominal). Tank ST07 was removed in September 2021, and the containment was inspected. Non-aqueous phase liquid (NAPL) was not observed within the containment. No precipitation had accumulated in the containment. A hard, black coating was present on the walls and base of the containment. The source or purpose of the black material is unknown.

The concrete was in moderate to poor condition. The western wall, while still standing at the time of inspection, had separated from the rest of the secondary containment. The northern wall had a vertical crack located approximately in the center. The northern wall had a crack up to 1-inch wide approximately 4-feet from the northeast corner of the containment. The eastern and southern walls had a crack located approximately in the center. The containment slab did not have observable cracks or holes.

The ST07 secondary containment was removed in October 2021 and staged on polyethylene sheeting for disposal. The concrete was approved for disposal as non-hazardous solid waste with Modern Landfill. Approximately 34 tons of concrete were disposed on July 21, 2022. Full documentation of the concrete disposal can be referenced in the ST07 Closure Report of the CBS PBS CCR. The slab appeared to have been constructed on tan bedding sand. No staining or odor were observed upon removal of the slab.

Fill Sampling

Three fill samples were collected below the ST07 secondary containment. Samples were collected with a dedicated stainless-steel spoon as field conditions allowed for direct sample collection. A sample was collected on the east and west ends of the containment area, as well as below the largest crack in the northern wall. Samples of the bedding sand were collected from 0- to- 6-inches below ground surface. The sampling locations are shown on Figure 2.



All three samples were analyzed for:

- TCL Volatile Organic Compounds (VOCs) [8260]
- TCL Semi-volatile Organic Compounds (SVOCs) [8270]
- TAL Metals [6010]
- Total Mercury [7471]
- Polychlorinated biphenyls (PCBs) [8082]

The sample below the northern wall also included:

- Total Ammonia [350.1]
- Toxicity Characteristic Leachate Procedure (TCLP) VOCs, SVOCs, Metals, Pesticides, and Herbicides
- Reactivity
- Corrosivity (pH)

Sample results were compared to 6 NYCRR Part 375 Commercial Soil Cleanup Objectives (SCOs) and EPA TCLP limits. The sample collected below the western end of the containment area contained SVOC benzo(a)pyrene at a concentration of 1,070 ug/kg, exceeding the Commercial SCO of 1,000 ug/kg. The samples collected below the eastern and northern containment areas did not have any concentrations that exceeded the Commercial SCOs. The sample collected below the crack in the northern wall had non-detect concentrations of ammonia and nearly all TCLP analytes were not detected with the exception of Barium detected at 0.460 mg/L (vs 100 mg/L limit). The sample was considered non-reactive and noncorrosive with a pH of 8.62.

Management of Underlying Fill

The fill below the ST07 secondary containment did not have grossly contaminated material or odor. The samples contained constituents at concentrations typical of or lower than those of surrounding site fill. The fill below the ST07 secondary containment was left in place and will have a fill cover that meets the criteria set forth in 6 NYCRR Part 375-6.7(d) in accordance with the BCP site Decision Document (NYSDEC, 2024).

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
Concrete Cleaning	9/28/2021, 9/29/2021, 9/30/2021
Concrete Removal	10/1/2021
Fill Sampling	10/1/2021
Disposal	7/21/2022

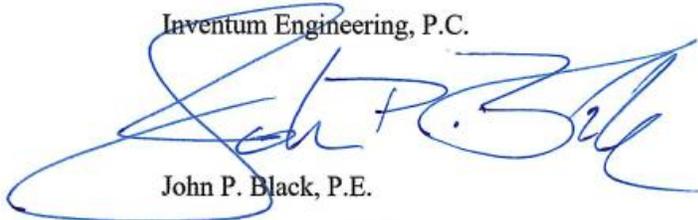


Engineering Certification

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,

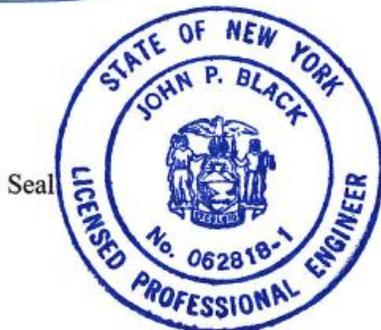
Inventum Engineering, P.C.



John P. Black, P.E.

Date: OCTOBER 21, 2025

License No: 062818-1



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Photographic Log



Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
Photo No. 1 Direction Photo Taken: View is southeast.		
Description: ST07/D02 - Waste Oil Tank in concrete secondary containment.		
Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
Photo No. 2 Direction Photo Taken: View is northeast.		
Description: ST07/D02 - Waste Oil Tank in concrete secondary containment.		



Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
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Photo No. 3	
Direction Photo Taken: View is south.	
Description: ST07/D02 - Secondary containment north outer wall.	

Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
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Photo No. 4	
Direction Photo Taken: View is west.	
Description: ST07/D02 - Secondary containment east outer wall.	



Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
Photo No. 5 Direction Photo Taken: View is north.		
Description: ST07/D02 - Secondary containment south outer wall.		
Client Name: RITC	Date Photo was Taken: 9/27/2021	Project: RITC
Photo No. 6 Direction Photo Taken: View is east.		
Description: ST07/D02 - Secondary containment west wall that collapsed during tank shearing operations.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 7 Direction Photo Taken: View is northeast.		
Description: ST07/D02 - Secondary containment north inner wall.		
Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 8 Direction Photo Taken: View is east.		
Description: ST07/D02 - Secondary containment east inner wall.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 9 Direction Photo Taken: View is south.		
Description: ST07/D02 - Secondary containment south inner wall.		
Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 10 Direction Photo Taken: View is east.		
Description: ST07/D02 - Secondary containment floor.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 11 Direction Photo Taken: View is south		
Description: ST07/D02 – Crack in north outer wall and wall separation from slab. Crack is located approximately in the middle of the wall.		
Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 12 Direction Photo Taken: View is north.		
Description: ST07/D02 – Crack in north inner wall. Crack is approximately 4' from northeast corner of containment.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 13 Direction Photo Taken: View is north.		
Description: ST07/D02 – Crack in south outer wall, located approximately in the middle of the wall. The crack extends to the outer edge of the slab.		
Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 14 Direction Photo Taken: N.A.		
Description: Residuals scraped from concrete containment walls, floor, and tank saddles.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 15 Direction Photo Taken: View is west.		
Description: Concrete containment is staged for disposal on polyethylene sheeting.		
Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 16 Direction Photo Taken: View is west.		
Description: The concrete slab is being removed. ST07 containment built on tan bedding sand. No odor or visual impacts were observed.		



Client Name: RITC	Date of Tank Closure: 9/27/2021	Project: RITC
Photo No. 17 Direction Photo Taken: View is southwest.		
Description: ST07 containment was built on tan bedding sand. No odor or visual impacts were observed. The concrete slab has been removed and staged for disposal.		



Figures



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DRAWING BY	RB
CHECKED	
APPROVED	

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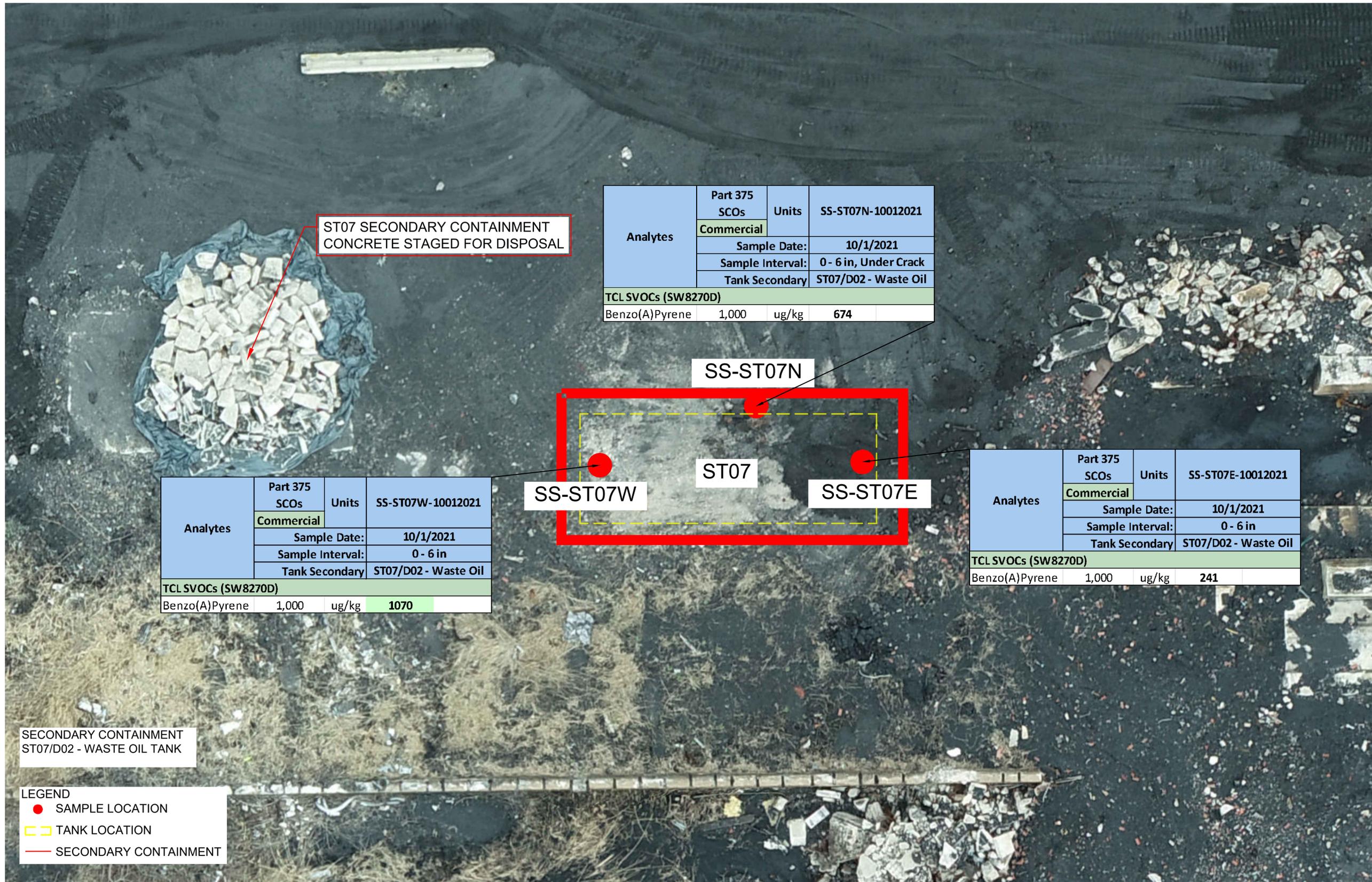
SECONDARY CONTAINMENT LOCATIONS
 RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
 3875 RIVER ROAD
 TONAWANDA, NEW YORK 14150
 BCP SITE No. C915353

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FIGURE 1

DRAWING NUMBER
 SECONDARY CONTAINMENT
 CLOSURE CCR



ST07 SECONDARY CONTAINMENT
CONCRETE STAGED FOR DISPOSAL

Analytes	Part 375 SCOs	Units	SS-ST07N-10012021
	Commercial		
			Sample Date: 10/1/2021
			Sample Interval: 0 - 6 in, Under Crack
			Tank Secondary: ST07/D02 - Waste Oil
TCL SVOCs (SW8270D)			
Benzo(A)Pyrene	1,000	ug/kg	674

Analytes	Part 375 SCOs	Units	SS-ST07W-10012021
	Commercial		
			Sample Date: 10/1/2021
			Sample Interval: 0 - 6 in
			Tank Secondary: ST07/D02 - Waste Oil
TCL SVOCs (SW8270D)			
Benzo(A)Pyrene	1,000	ug/kg	1070

Analytes	Part 375 SCOs	Units	SS-ST07E-10012021
	Commercial		
			Sample Date: 10/1/2021
			Sample Interval: 0 - 6 in
			Tank Secondary: ST07/D02 - Waste Oil
TCL SVOCs (SW8270D)			
Benzo(A)Pyrene	1,000	ug/kg	241

SECONDARY CONTAINMENT
ST07/D02 - WASTE OIL TANK

LEGEND
 ● SAMPLE LOCATION
 □ TANK LOCATION
 — SECONDARY CONTAINMENT

D



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ST07 - "WASTE OIL" TANK
 SECONDARY CONTAINMENT SAMPLING
 RIVERVIEW INNOVATION & TECHNOLOGY
 CAMPUS, INC.
 3875 RIVER ROAD
 TONAWANDA, NEW YORK 14150
 BCP SITE No. C915333

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FIGURE 2
 DRAWING NUMBER
 SECONDARY CONTAINMENT
 CLOSURE CCR

Tables





Table 1
 Secondary Containment Closure Construction Completion Report
 Waste Oil Tank ST07
 Riverview Innovation & Technology Campus, Inc.,
 Tonawanda, New York

DRAFT

Analytes	Part 375	Units	SS-ST07E-10012021	SS-ST07W-10012021	SS-ST07N-10012021			
	SCOs							
	Commercial	COLLECTION DATE:	10/1/2021	10/1/2021	10/1/2021			
	REPORT:	214449	214449	214449				
	LOCATION:	ST07 Secondary Containment East	ST07 Secondary Containment West	ST07 Secondary Containment North Crack				
VOLATILE ORGANICS BY GC/MS								
1,1,1-Trichloroethane (TCA)	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2,2-Tetrachloroethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2-Trichloroethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2-Trichloro-1,2,2-Trifluoroethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1-Dichloroethane	240,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1-Dichloroethene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2,3-Trichlorobenzene		ug/kg	<11.7	U	<10.6	U	<11.2	U
1,2,4-Trichlorobenzene		ug/kg	<320	U	<10.6	U	<11.2	U
1,2,4-Trimethylbenzene	190,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dibromo-3-Chloropropane		ug/kg	<23.5	U	<21.3	U	<22.3	U
1,2-Dibromoethane (Ethylene Dibromide)		ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichlorobenzene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichloroethane	30,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichloropropane		ug/kg	<4.69	U	<4.26	U	<4.46	U
1,3-Dichlorobenzene	280,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,3,5-Trimethylbenzene	190,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,4-Dichlorobenzene	130,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,4-Dioxane (P-Dioxane)	130,000	ug/kg	<23.5	U	<21.3	U	<22.3	U
Methyl Ethyl Ketone (2-Butanone)	500,000	ug/kg	<11.7	U	<10.6	U	<11.2	U
2-Hexanone		ug/kg	<11.7	U	<10.6	U	<11.2	U
4-Isopropyltoluene	390,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		ug/kg	<11.7	U	<10.6	U	<11.2	U
Acetone	500,000	ug/kg	<23.5	U	11.2	U	<22.3	U
Benzene	44,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Bromochloromethane		ug/kg	<11.7	U	<10.6	U	<11.2	U
Bromodichloromethane		ug/kg	<4.69	L	<4.26	U	<4.46	U
Bromoform		ug/kg	<11.7	U	<10.6	U	<11.2	U
Bromomethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Carbon Disulfide		ug/kg	<4.69	U	<4.26	U	<4.46	U
Carbon Tetrachloride	22,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chlorobenzene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloroethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloroform	350,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloromethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Cyclohexane		ug/kg	<23.5	U	<21.3	U	<22.3	U
Dibromochloromethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Dichlorodifluoromethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Methylene Chloride	500,000	ug/kg	50.4	U	44.4	U	22.1	U
Ethylbenzene	390,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Isopropylbenzene (Cumene)		ug/kg	<4.69	U	<4.26	U	<4.46	U
Methyl Acetate		ug/kg	<4.69	U	<4.26	U	<4.46	U
Tert-Butyl Methyl Ether	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Methylcyclohexane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Naphthalene	500,000	ug/kg	<11.7	U	<10.6	U	<11.2	U
n-Butylbenzene	390,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
N-Propylbenzene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Sec-Butylbenzene	390,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Styrene		ug/kg	<11.7	U	<10.6	U	<11.2	U
tert-Butylbenzene	390,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Tetrachloroethylene (PCE)	150,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Toluene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trichloroethylene (TCE)	200,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trichlorofluoromethane		ug/kg	<4.69	U	<4.26	U	<4.46	U
Vinyl Chloride	13,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Cis-1,2-Dichloroethylene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Cis-1,3-Dichloropropene		ug/kg	<4.69	U	<4.26	U	<4.46	U
m,p-Xylene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
O-Xylene (1,2-Dimethylbenzene)	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trans-1,2-Dichloroethene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trans-1,3-Dichloropropene	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Xylenes, Total	500,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
SEMIVOLATILE ORGANICS BY GC/MS								
1,1-Biphenyl		ug/kg	<320	U	174	U	224	U
1,2,4,5-Tetrachlorobenzene		ug/kg	<320	U	<295	U	<318	U
2,3,4,6-Tetrachlorophenol		ug/kg	<320	U	<295	U	<318	U
2,4,5-Trichlorophenol		ug/kg	<320	U	<295	U	<318	U
2,4,6-Trichlorophenol		ug/kg	<320	U	<295	U	<318	U
2,4-Dichlorophenol		ug/kg	<320	U	<295	U	<318	U
2,4-Dimethylphenol		ug/kg	<320	U	<295	U	<318	U
2,4-Dinitrophenol		ug/kg	<1280	U	<1180	U	<1270	U
2,4-Dinitrotoluene		ug/kg	<320	U	<295	U	<318	U
2,6-Dinitrotoluene		ug/kg	<320	U	<295	U	<318	U
2-Chloronaphthalene		ug/kg	<320	U	<295	U	<318	U
2-Chlorophenol		ug/kg	<320	U	<295	U	<318	U
2-Methylnaphthalene		ug/kg	1040	U	862	U	1330	U
2-Methylphenol (O-Cresol)	500,000	ug/kg	<320	U	<295	U	<318	U
2-Nitroaniline		ug/kg	<320	U	<295	U	<318	U
2-Nitrophenol		ug/kg	<320	U	<295	U	<318	U
3,3'-Dichlorobenzidine		ug/kg	<320	U	<295	U	<318	U
Cresols, M & P	500,000	ug/kg	NS	U	NS	U	NS	U
3-Nitroaniline		ug/kg	<320	U	<295	U	<318	U
4,6-Dinitro-2-Methylphenol		ug/kg	<640	U	<590	U	<636	U
4-Bromophenyl Phenyl Ether		ug/kg	<320	U	<295	U	<318	U
4-Chloro-3-Methylphenol		ug/kg	<320	U	<295	U	<318	U



Table 1
Secondary Containment Closure Construction Completion Report
Waste Oil Tank ST07
Riverview Innovation & Technology Campus, Inc.,
Tonawanda, New York

DRAFT

Analytes	Part 375	Units	SS-ST07E-10012021		SS-ST07W-10012021		SS-ST07N-10012021		
	SCOs								
	Commercial								
	COLLECTION DATE:	10/1/2021		10/1/2021		10/1/2021			
	SAMPLE DEPTH:	0 - 6 in BGS		0 - 6 inches BGS		0 - 6 inches BGS			
REPORT:	214449		214449		214449				
LOCATION:	ST07 Secondary Containment East		ST07 Secondary Containment West		ST07 Secondary Containment North Crack				
4-Chloroaniline		ug/kg	<320	U	<295	U	<318	U	
4-Chlorophenyl Phenyl Ether		ug/kg	<320	U	<295	U	<318	U	
4-Nitroaniline		ug/kg	<320	U	<295	U	<318	U	
4-Nitrophenol		ug/kg	<320	U	<295	U	<318	U	
Acenaphthene	500,000	ug/kg	<320	U	<295	U	<318	U	
Acenaphthylene	500,000	ug/kg	<320	U	458		314		
Acetophenone		ug/kg	<320	U	<295	U	<318	U	
Anthracene	500,000	ug/kg	227		630		561		
Atrazine		ug/kg	<320	U	<295	U	<318	U	
Benzo(A)Anthracene	5,600	ug/kg	377		1380		730		
Benzaldehyde		ug/kg	<320	U	<295	U	<318	U	
Benzo(A)Pyrene	1,000	ug/kg	241		1070		674		
Benzo(B)Fluoranthene	5,600	ug/kg	552		1460		928		
Benzo(G,H,I)Perylene	500,000	ug/kg	245		841		614		
Benzo(K)Fluoranthene	56,000	ug/kg	336		1050		541		
Biphenyl (Diphenyl)		ug/kg	NS		NS		NS		
Bis(2-Chloroisopropyl) Ether		ug/kg	NS		NS		NS		
Bis(2-Chloroethoxy) Methane		ug/kg	<320	U	<295	U	<318	U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		ug/kg	<320	U	<295	U	<318	U	
Bis(2-Ethylhexyl) Phthalate		ug/kg	<320	U	<295	U	<318	U	
Benzyl Butyl Phthalate		ug/kg	<320	U	<295	U	<318	U	
Caprolactam		ug/kg	<320	U	<295	U	<318	U	
Carbazole		ug/kg	<320	U	276		221		
Chrysene	56,000	ug/kg	657		4590		928		
Di-N-Butyl Phthalate		ug/kg	<320	U	<295	U	<318	U	
Di-N-Octylphthalate		ug/kg	<320	U	<295	U	<318	U	
Dibenz(A,H)Anthracene	560	ug/kg	<320	U	<295	U	<318	U	
Dibenzofuran	350,000	ug/kg	<320	U	<295	U	<318	U	
Diethyl Phthalate		ug/kg	<320	U	<295	U	<318	U	
Dimethyl Phthalate		ug/kg	<320	U	<295	U	<318	U	
Fluoranthene	500,000	ug/kg	763		3380		1280		
Fluorene	500,000	ug/kg	<320	U	401		265		
Hexachlorobenzene	6,000	ug/kg	<320	U	<295	U	<318	U	
Hexachlorobutadiene		ug/kg	<320	U	<295	U	<318	U	
Hexachlorocyclopentadiene		ug/kg	<1280	U	<1180	U	<1270	U	
Hexachloroethane		ug/kg	<320	U	<295	U	<318	U	
Indeno(1,2,3-C,D)Pyrene	5,600	ug/kg	223		737		556		
Isophorone		ug/kg	<320	U	<295	U	<318	U	
N-Nitrosodi-N-Propylamine		ug/kg	<320	U	<295	U	<318	U	
N-Nitrosodiphenylamine		ug/kg	<320	U	<295	U	<318	U	
Naphthalene	500,000	ug/kg	1340		1470		2680		
Nitrobenzene		ug/kg	<320	U	<295	U	<318	U	
Pentachlorophenol	6,700	ug/kg	<640	U	<590	U	<636	U	
Phenanthrene	500,000	ug/kg	1460		2990		2200		
Phenol	500,000	ug/kg	<320	U	<295	U	<318	U	
Pyrene	500,000	ug/kg	554		2590		955		
TAL Metals (SW6010)									
Aluminum		mg/kg	752		1490		1710		
Antimony		mg/kg	<3.28	U	<3.29	U	<3.41	U	
Arsenic	16	mg/kg	2.07		10.1		3.16		
Barium	400	mg/kg	31.5		48.2		46.7		
Beryllium	590	mg/kg	0.145		0.334		0.738		
Cadmium	9.3	mg/kg	0.311		0.553		0.334		
Calcium		mg/kg	1370		4480		17600		
Chromium, Total		mg/kg	6.96		14.1		8.16		
Cobalt		mg/kg	2.41	J	8.24		4.97		
Copper	270	mg/kg	15.9		22.3		14.4		
Iron		mg/kg	8820		10500		5180		
Lead	1,000	mg/kg	7.03		12.6		14.3		
Magnesium		mg/kg	149		733		2080		
Manganese	10,000	mg/kg	84.1		4810		97.0		
Nickel	310	mg/kg	5.33		17.2		8.47		
Potassium		mg/kg	181		298		257		
Selenium	1,500	mg/kg	<1.09	U	1.18		0.977		
Silver	1,500	mg/kg	0.370		1.39		0.310		
Sodium		mg/kg	85.8		106		76.0		
Thallium		mg/kg	<1.37	U	<1.37	U	<1.42	U	
Vanadium		mg/kg	3.39		5.57		8.86		
Zinc	10,000	mg/kg	28.7		44.9		39.5		
Mercury (SW7471)									
Mercury	2.8	mg/kg	0.0205		0.0607		0.0260		
Ammonia (SM4500)									
Ammonia as Nitrogen		ug/g	NS		NS		<23.0	U	



Table 1
Secondary Containment Closure Construction Completion Report
Waste Oil Tank ST07
Riverview Innovation & Technology Campus, Inc.,
Tonawanda, New York

DRAFT

Analytes	Part 375	Units	SS-ST07E-10012021	SS-ST07W-10012021	SS-ST07N-10012021
	SCOs				
	Commercial	COLLECTION DATE:	10/1/2021	10/1/2021	10/1/2021
		SAMPLE DEPTH:	0 - 6 in BGS	0 - 6 inches BGS	0 - 6 inches BGS
		REPORT:	214449	214449	214449
	LOCATION:	ST07 Secondary Containment East	ST07 Secondary Containment West	ST07 Secondary Containment North Crack	
PCBs (8082A)					
PCB-1016 (Aroclor 1016)	1,000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1221 (Aroclor 1221)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1232 (Aroclor 1232)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1242 (Aroclor 1242)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1248 (Aroclor 1248)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1254 (Aroclor 1254)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1260 (Aroclor 1260)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1262 (Aroclor 1262)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
PCB-1268 (Aroclor 1268)	1000	mg/kg	<0.0324 U	<0.0314 U	<0.0330 U
Reactivity					
Reactive Cyanide		ug/g	NS	NS	<1.0 U
Reactive Sulfide		ug/g	NS	NS	10
Corrosivity					
pH		S.U.	NS	NS	8.62
EPA TCLP					
TCLP SVOCs					
1,4-Dichlorobenzene	7,500	ug/L	NS	NS	<40.0 U
2,4,5-Trichlorophenol	400,000	ug/L	NS	NS	<40.0 U
2,4,6-Trichlorophenol	2,000	ug/L	NS	NS	<40.0 U
2,4-Dinitrotoluene	130	ug/L	NS	NS	<40.0 U
Cresols (as m,p,o-Cresol)	200,000	ug/L	NS	NS	<80.0 U
Hexachlorobenzene	130	ug/L	NS	NS	<40.0 U
Hexachlorobutadiene	500	ug/L	NS	NS	<40.0 U
Hexachloroethane	3,000	ug/L	NS	NS	<40.0 U
Nitrobenzene	2,000	ug/L	NS	NS	<40.0 U
Pentachlorophenol	100,000	ug/L	NS	NS	<80.0 U
Pyridine	5,000	ug/L	NS	NS	<40.0 U
TCLP Mercury					
Mercury	0.2	mg/L	NS	NS	<0.00200 U
TCLP Pesticides					
Chlordane	30	ug/L	NS	NS	<2.00 U
Endrin	20	ug/L	NS	NS	<1.00 U
gamma-BHC (Lindane)	400	ug/L	NS	NS	<1.00 U
Heptachlor	8	ug/L	NS	NS	<1.00 U
Heptachlor Epoxide	8	ug/L	NS	NS	<1.00 U
Methoxychlor	10,000	ug/L	NS	NS	<1.00 U
Toxaphene	500	ug/L	NS	NS	<20.0 U
TCLP RCRA Metals					
Arsenic	5	mg/L	NS	NS	<0.500 U
Barium	100	mg/L	NS	NS	0.460
Cadmium	1	mg/L	NS	NS	<0.0250 U
Chromium	5	mg/L	NS	NS	<0.500 U
Lead	5	mg/L	NS	NS	<0.500 U
Selenium	1	mg/L	NS	NS	<0.200 U
Silver	5	mg/L	NS	NS	<0.500 U
TCLP Volatile Organics					
1,1-Dichloroethene	700	ug/L	NS	NS	<20.0 U
1,2-Dichloroethane	500	ug/L	NS	NS	<20.0 U
2-Butanone	200,000	ug/L	NS	NS	<100 U
Benzene	500	ug/L	NS	NS	<20.0 U
Carbon Tetrachloride	500	ug/L	NS	NS	<20.0 U
Chlorobenzene	100,000	ug/L	NS	NS	<20.0 U
Chloroform	6,000	ug/L	NS	NS	<20.0 U
Tetrachloroethene	700	ug/L	NS	NS	<20.0 U
Trichloroethene	500	ug/L	NS	NS	<20.0 U
Vinyl Chloride	200	ug/L	NS	NS	<20.0 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 Industrial 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 Farmer

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.



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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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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

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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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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

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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

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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

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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

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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

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.



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

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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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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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

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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

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.



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

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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

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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
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

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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

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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

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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

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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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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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

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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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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

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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

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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

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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

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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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
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

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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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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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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.



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

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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

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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

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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

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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

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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

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

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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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
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

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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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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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
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.



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

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

Method Reference(s): EPA 7471B

Preparation Date: 10/6/2021

Data File: Hg211007C

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
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.



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

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

Method Reference(s): EPA 9045D

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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

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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

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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

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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

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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

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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

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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

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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

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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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
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

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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

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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

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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

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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.



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

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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

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
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

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
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

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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

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Regulatory Limit</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
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

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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

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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

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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

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Analytical Report Appendix

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

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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.

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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, term 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 will 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 the 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.

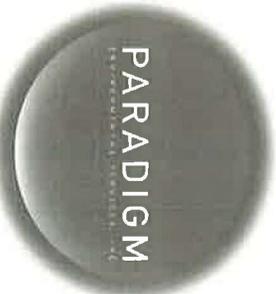
Law.

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

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CHAIN OF CUSTODY

1 of 2



REPORT TO:

INVOICE TO:

CLIENT: INVENTUM ENGINEERING	CLIENT: SAME	LAB PROJECT ID
ADDRESS: 481 CARLISLE DR SUITE 202	ADDRESS:	214449
CITY: HERRON VA	CITY:	Quotation #:
STATE: VA	STATE:	
ZIP: 20170	ZIP:	
PHONE: 85-734-5255	PHONE:	Email: Roxanne.Bix@inventumeng.com
ATTN: ROXANNE Bix	ATTN: John Black	John.Black@inventumeng.com
Matrix Codes: AQ - Aqueous Liquid	WA - Water	DW - Drinking Water
NQ - Non-Aqueous Liquid	WG - Groundwater	MW - Wastewater
		SO - Soil
		SL - Sludge
		SD - Solid
		PT - Paint
		WP - Wipe
		CK - Caulk
		OL - Oil
		AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MCACTRESS	CONTAINER	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
10/01/21	8:45	X	X	SS-STOW-10012021-01	SD	1	X	A For TCLP extract,	01
10/01/21	8:45	X	X	SS-STOW-10012021-12	SD	1	X	OR 10/4/21	02
10/01/21	9:15	X	X	SS-STOWE-10012021-01	SD	1	X		03
10/01/21	9:15	X	X	SS-STOWE-10012021-12	SD	1	X		04
10/01/21	11:30	X	X	SS-STOWE-10012021	SD	2	X		05
10/01/21	11:45	X	X	SS-STOW-10012021	SD	2	X		06
10/01/21	11:30	X	X	SS-STOWN-10012021	SD	3	X	HAZ CAT: IGNITE REACTIVITY & CORROSIVITY, PAINT FILTER	07A

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply. Standard 5 day <input checked="" type="checkbox"/> None Required 10 day <input type="checkbox"/> Batch QC Rush 3 day <input type="checkbox"/> Category A Rush 2 day <input type="checkbox"/> Category B Rush 1 day <input type="checkbox"/> Other Date Needed: _____ please indicate date needed: _____	None Required <input type="checkbox"/> Basic EDD <input type="checkbox"/> NVSDEC EDD <input checked="" type="checkbox"/> LEVEL IN DATA Other EDD <input type="checkbox"/> please indicate EDD needed: _____

Sampled By: ROXANNE Bix Date/Time: 10/1/21 8:45
 Relinquished By: Roxanne Bix Date/Time: 10/1/21 12:15
 Received By: Len Sk Date/Time: 10/4/21 11:41
 Received @ Lab By: _____ Date/Time: _____

Total Cost: _____
 P.I.F.

noticed started in field Nov 10/1/21 1642

By signing this form, client agrees to Paradigm Terms and Conditions (reverse). See additional page for sample conditions.



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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035 (05,06,07)	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/> TCLP vOA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>Portion of samples 01, 02, 03, 04 transferred to 2oz glass jars for Methanol sub-ant. on 10/5/21</u>		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> metals
Comments	<u>9°C iced started in field</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		

Adirondack Environmental Services, Inc

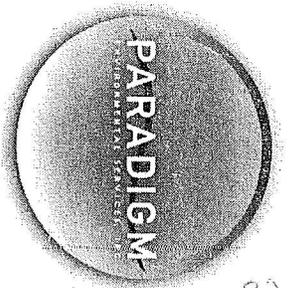
Date: 12-Oct-21

CLIENT: Paradigm Environmental
Work Order: 211007023
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST07N-10012021
Collection Date: 10/1/2021 11:30:00 AM
Lab Sample ID: 211007023-001
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 quantitation 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.



211007023

1791 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID:

1 of 1

REPORT TO: **Paradigm Environmental** INVOICE TO: **Same**

COMPANY: **Paradigm Environmental** ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ FAX: _____

ATTN: **Reporting** ACCOUNTS PAYABLE

COMMENTS: **Please email results to reporting@paradigmenv.com**

REQUESTED ANALYSIS

LAB PROJECT #: _____ CLIENT PROJECT: _____

TURNAROUND TIME: (WORKING DAYS) 1 2 3 5 **STD**

Date Due: 10/13/21

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	SAMPLE NUMBER
10/1/21	11:30	X	SS-5707N-10012021	extract	TEL P	X	TEL P Herbicides	214449-07A
2							Sample spun at	
3							Paradigm 10/6/21	
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: _____

Container Type: Y N **Not Aes. Ac 10/7**

Preservation: Y N

Holding Time: Y N

Temperature: **4** Y N

Comments: _____

Client

Sampled By: **AP** Date/Time: **10/7/21 08:30**

Relinquished By: **[Signature]** Date/Time: **10/7/21 12:55**

Received By: **[Signature]** Date/Time: **10/7/21 4:25**

Received @ Lab By: _____ Date/Time: _____

Total Cost:

P.I.F.



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TERMS, CONDITIONS & LIMITATIONS

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- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (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
Work Order: 211006013
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST06W-10012021-01
Collection Date: 10/1/2021 8:45:00 AM
Lab Sample ID: 211006013-001
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NON-HALOGENATED VOLATILES-EPA 8015D						Analyst: TSZ
(Prep: SW8015D - 10/12/2021)						
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	S - LCS Spike below accepted limits (+ above)
J - Analyte detected below quantitation limits	Z - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: 12-Oct-21

CLIENT: Paradigm Environmental
Work Order: 211006013
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST06W-10012021-12
Collection Date: 10/1/2021 8:45:00 AM
Lab Sample ID: 211006013-002
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	S - LCS Spike below accepted limits (+ above)
J - Analyte detected below quantitation limits	Z - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: 12-Oct-21

CLIENT: Paradigm Environmental
Work Order: 211006013
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST06E-10012021-01
Collection Date: 10/1/2021 9:15:00 AM
Lab Sample ID: 211006013-003
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	S - LCS Spike below accepted limits (+ above)
J - Analyte detected below quantitation limits	Z - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: 12-Oct-21

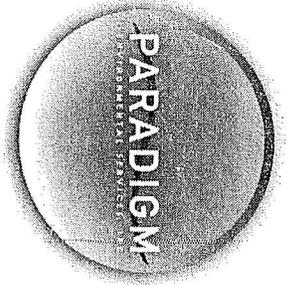
CLIENT: Paradigm Environmental
Work Order: 211006013
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST06E-10012021-12
Collection Date: 10/1/2021 9:15:00 AM
Lab Sample ID: 211006013-004
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	S - LCS Spike below accepted limits (+ above)
J - Analyte detected below quantitation limits	Z - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
X - Value exceeds Maximum Contaminant Level	T - Tentatively Identified Compound-Estimated Conc.
E - Value above quantitation range-Estimate	



8110066013

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

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 1

1 of 1

REPORT TO:		INVOICE TO:	
COMPANY: Paradigm Environmental	ADDRESS:	COMPANY: Same	ADDRESS:
CITY:	STATE:	CITY:	STATE:
PHONE:	FAX:	PHONE:	FAX:
ATTN: Reporting	ATTN: Accounts Payable	LAB PROJECT #:	
COMMENTS: Please email results to reporting@paradigmenv.com		CLIENT PROJECT	
REQUESTED ANALYSIS		TURNAROUND TIME: (WORKING DAYS)	
		<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5	
		Date Due: 10/13/21 For	

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R	REMARKS	PARADIGM LAB SAMPLE NUMBER
10/1/21	08:45		X	SS-ST06W-10012021-01	Soil	1		214449-01
	08:45		1	SS-ST06W-10012021-12		1		-02
	09:15		1	SS-ST06E-10012021-01		1		-03
	09:15		X	SS-ST06E-10012021-12		1		-04

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

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

Receipt Parameter: **NELAC Compliance**

Comments: Container Type: Not AFS Ac 10/G Y N

Comments: Preservation: Y N

Comments: Holding Time: Y N

Comments: Temperature: yes Y N

Client

Sampled By: [Signature] Date/Time: 10/6/21 08:30

Relinquished By: [Signature] Date/Time: 10/6/21 2:00

Received By: [Signature] Date/Time: 10/6/21 5:30pm

Received @ Lab By: [Signature] Date/Time: 10/6/21 5:30pm

Total Cost:

P.I.F.





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Adirondack Environmental Services, Inc

Date: 07-Oct-21

CLIENT: Paradigm Environmental
Work Order: 211005006
Reference: Sample Analysis / Project# 214449
PO#:

Client Sample ID: SS-ST07N-10012021
Collection Date: 10/1/2021 11:30:00 AM
Lab Sample ID: 211005006-001
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:

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J - Analyte detected below quantitation limits	Z - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range-Estimate	



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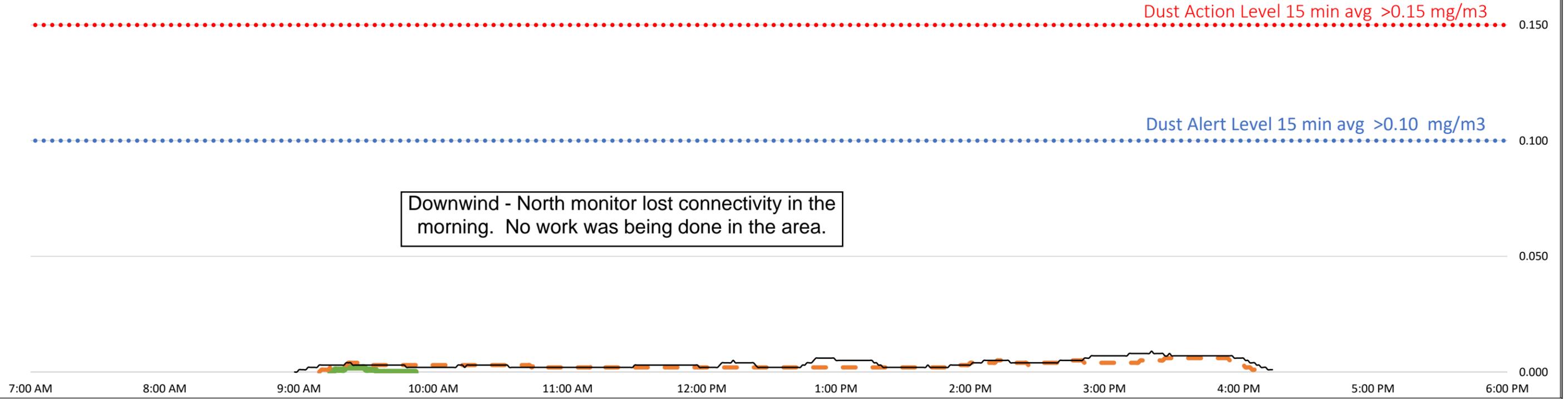
Appendix B – CAMP Data



Fixed Station Daily Air Monitoring - September 28, 2021

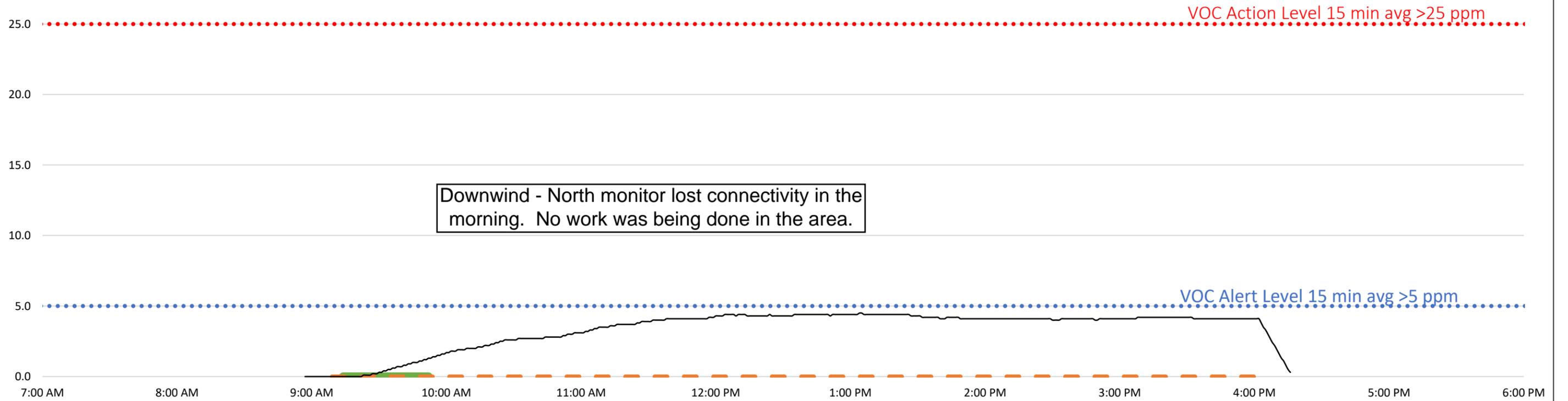
Dust (mg/m3) 15 min avg

Downwind - North Downwind - South Upwind Dust Alert Level 15 min avg >0.100 mg/m3 Dust Action Level 15 min avg >0.150 mg/m3



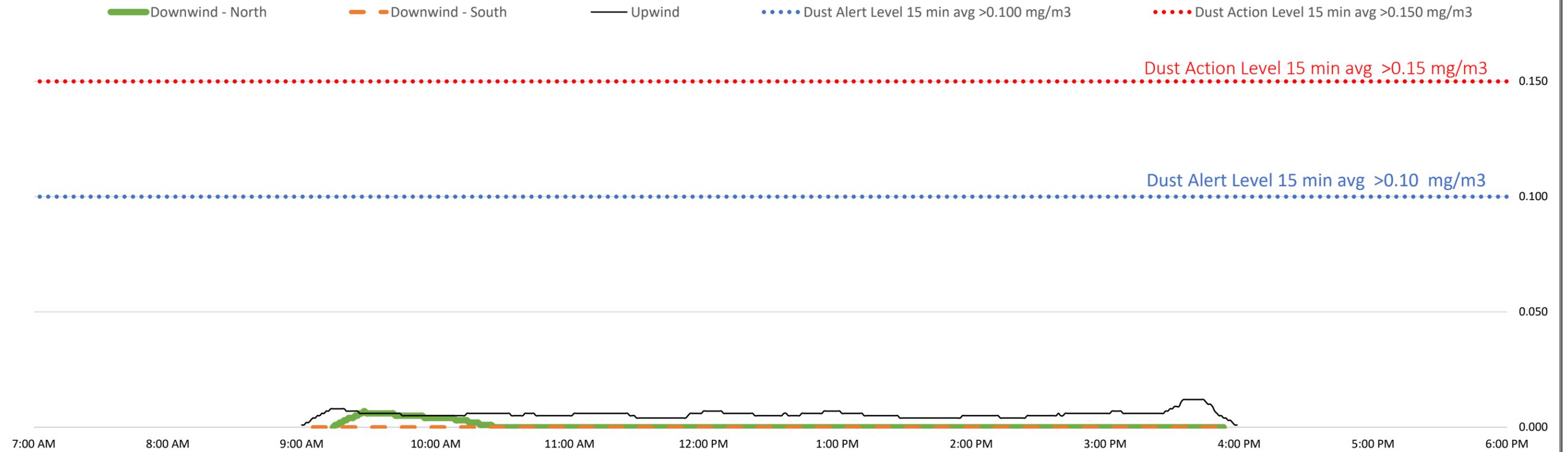
VOC (ppm) 15 min avg

Downwind - North Downwind - South Upwind VOC Alert Level 15 min avg >5 ppm VOC Action Level 15 min avg >25 ppm

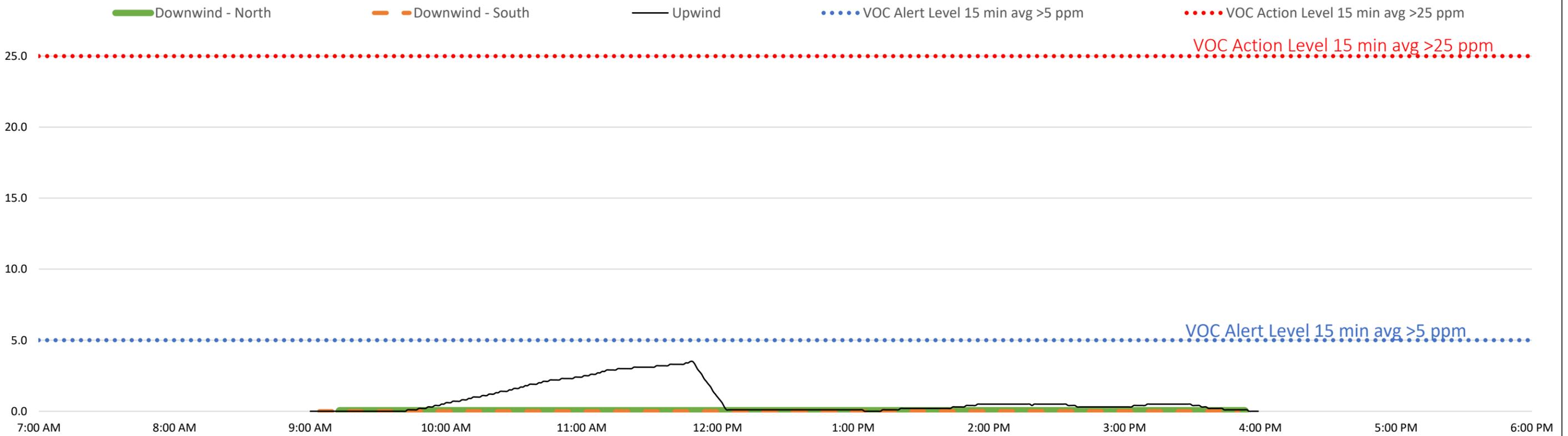


Fixed Station Daily Air Monitoring - September 29, 2021

Dust (mg/m3) 15 min avg

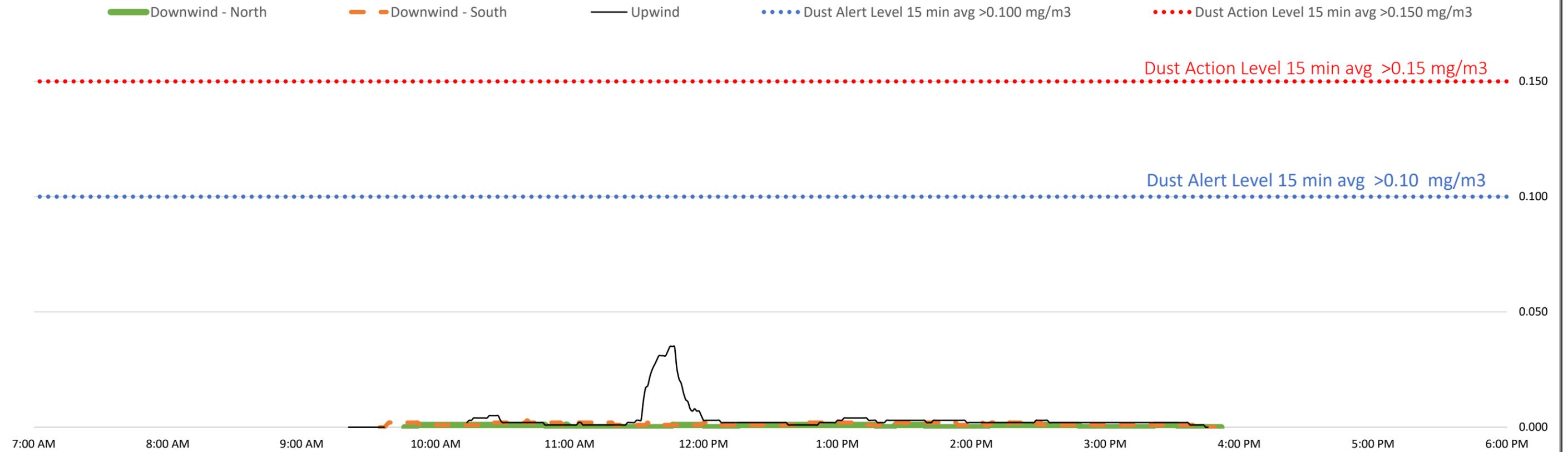


VOC (ppm) 15 min avg

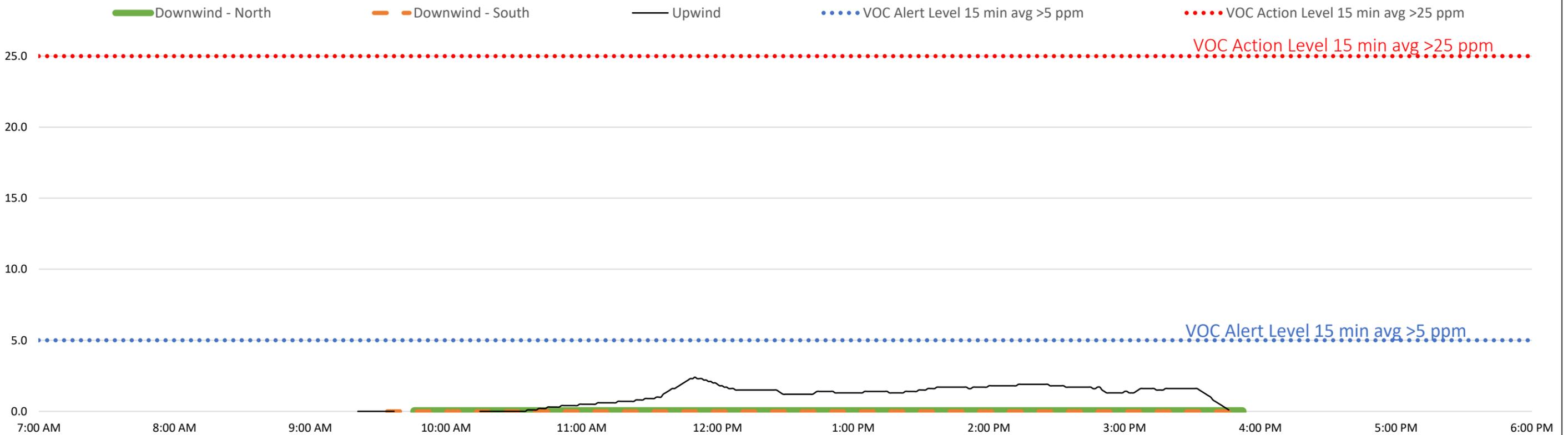


Fixed Station Daily Air Monitoring - September 30, 2021

Dust (mg/m3) 15 min avg

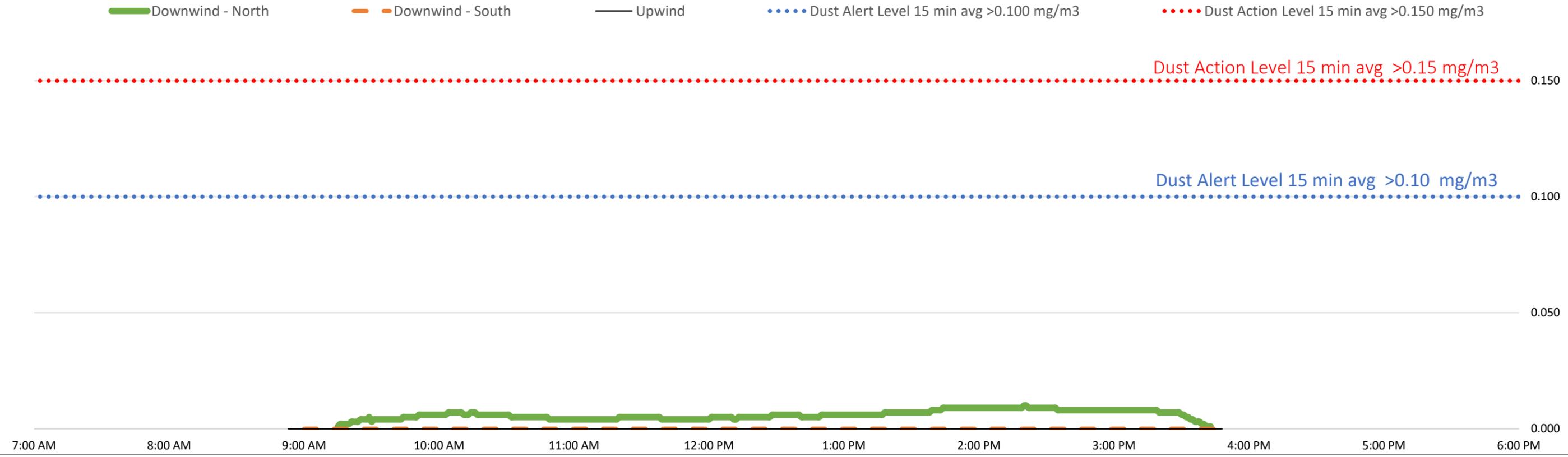


VOC (ppm) 15 min avg

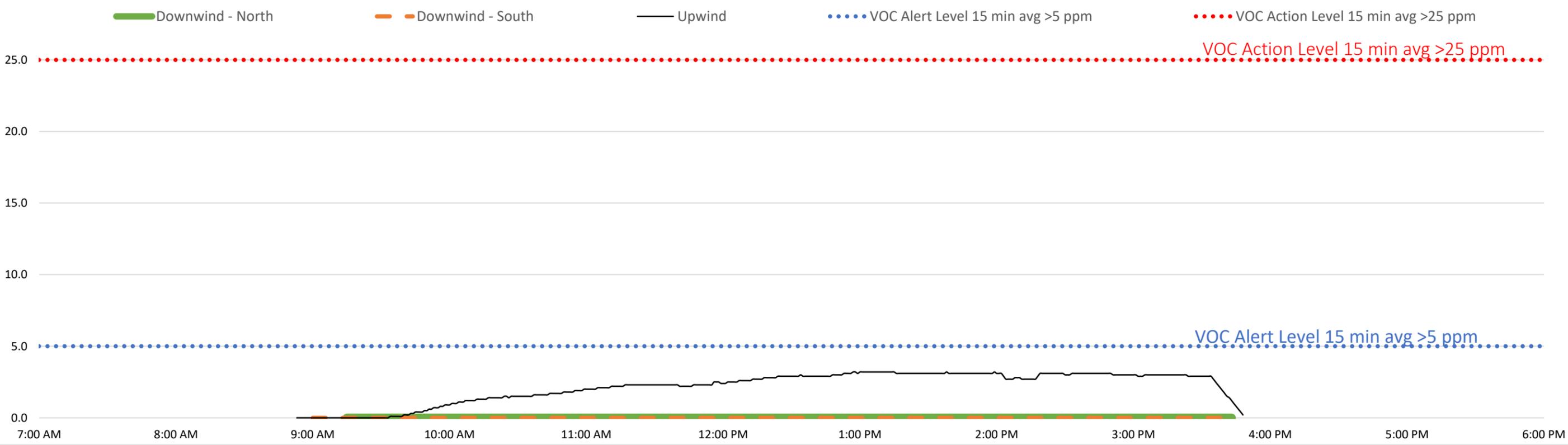


Fixed Station Daily Air Monitoring - October 1, 2021

Dust (mg/m3) 15 min avg

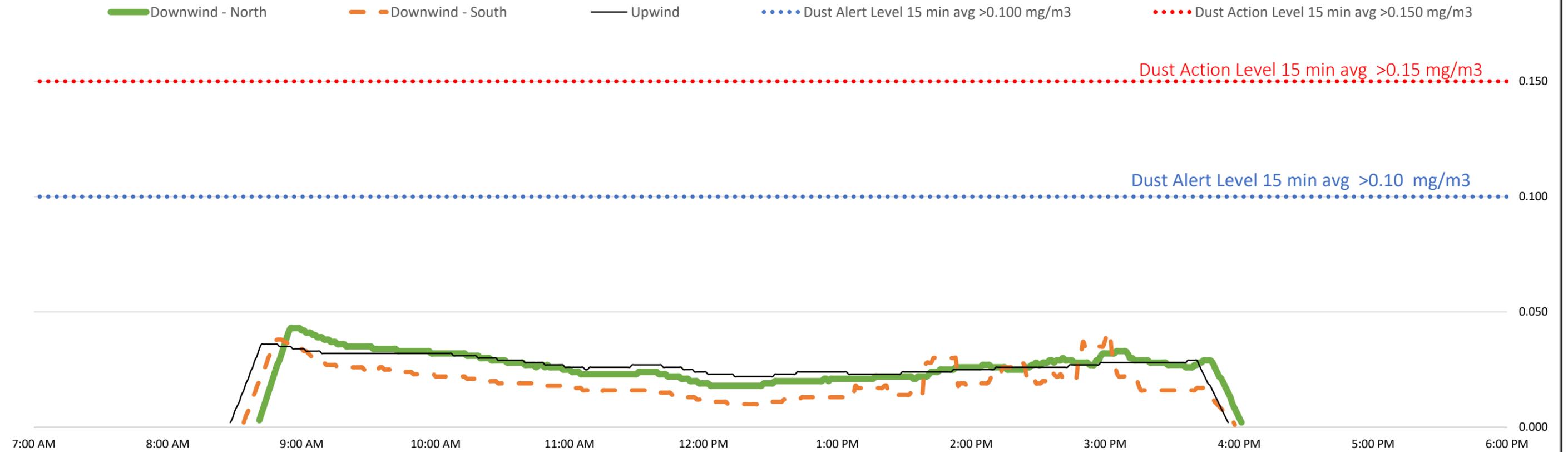


VOC (ppm) 15 min avg



Fixed Station Daily Air Monitoring - July 21, 2022

Dust (mg/m3) 15 min avg



VOC (ppm) 15 min avg

