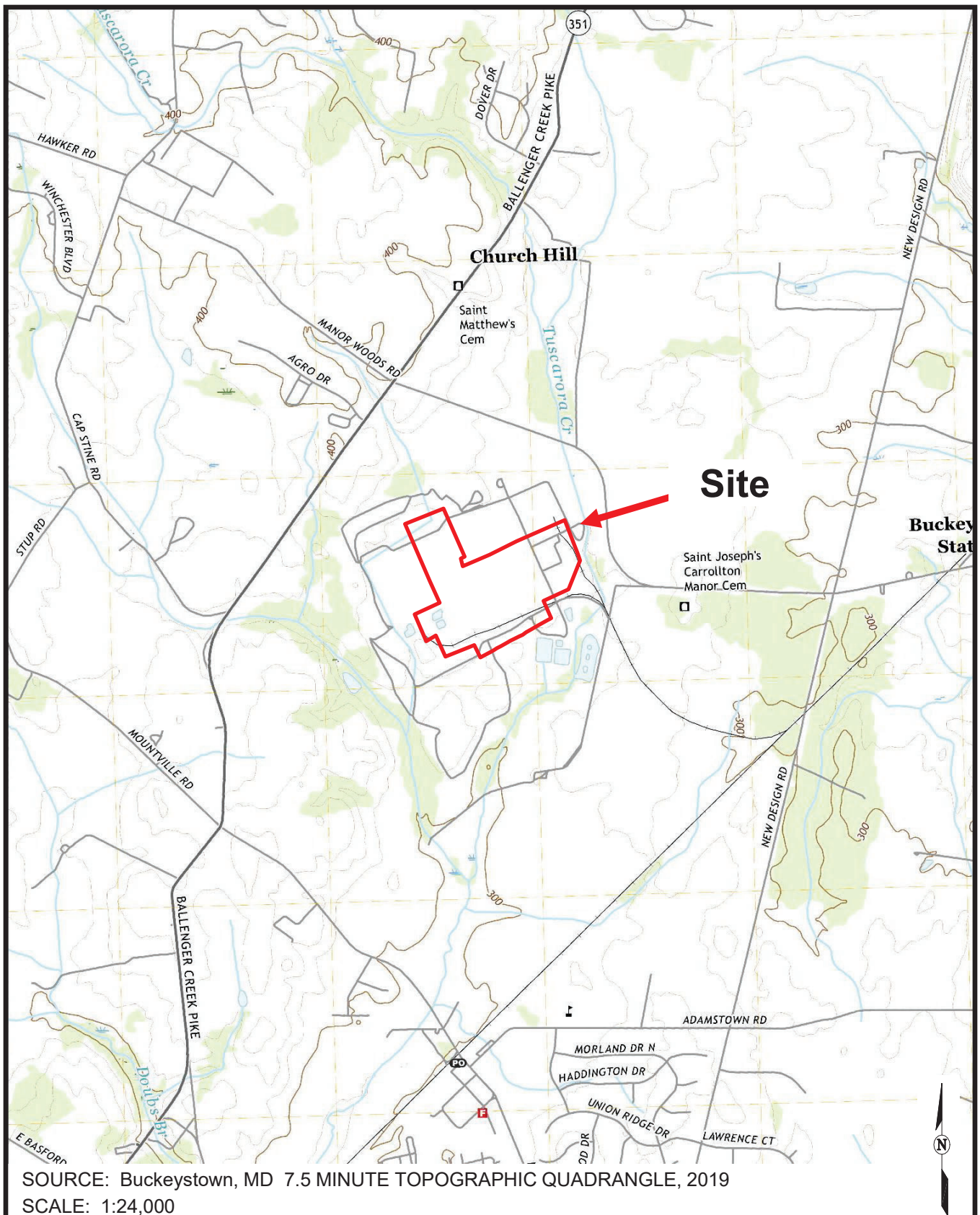




SITE LOCATION MAP
 Bauxite III
 Rowan Frederick III LLC
 Fredrick, Maryland

Figure
1



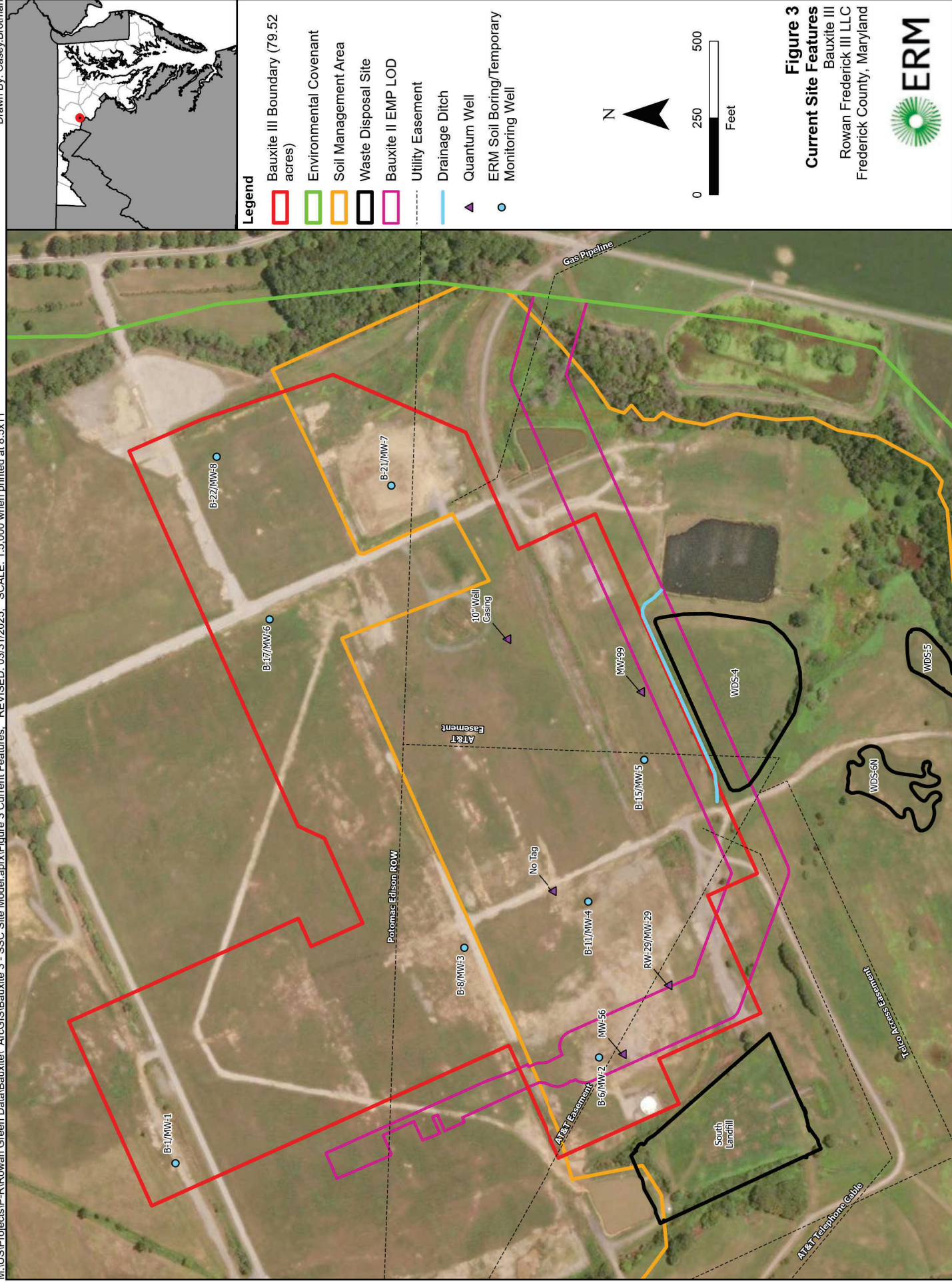
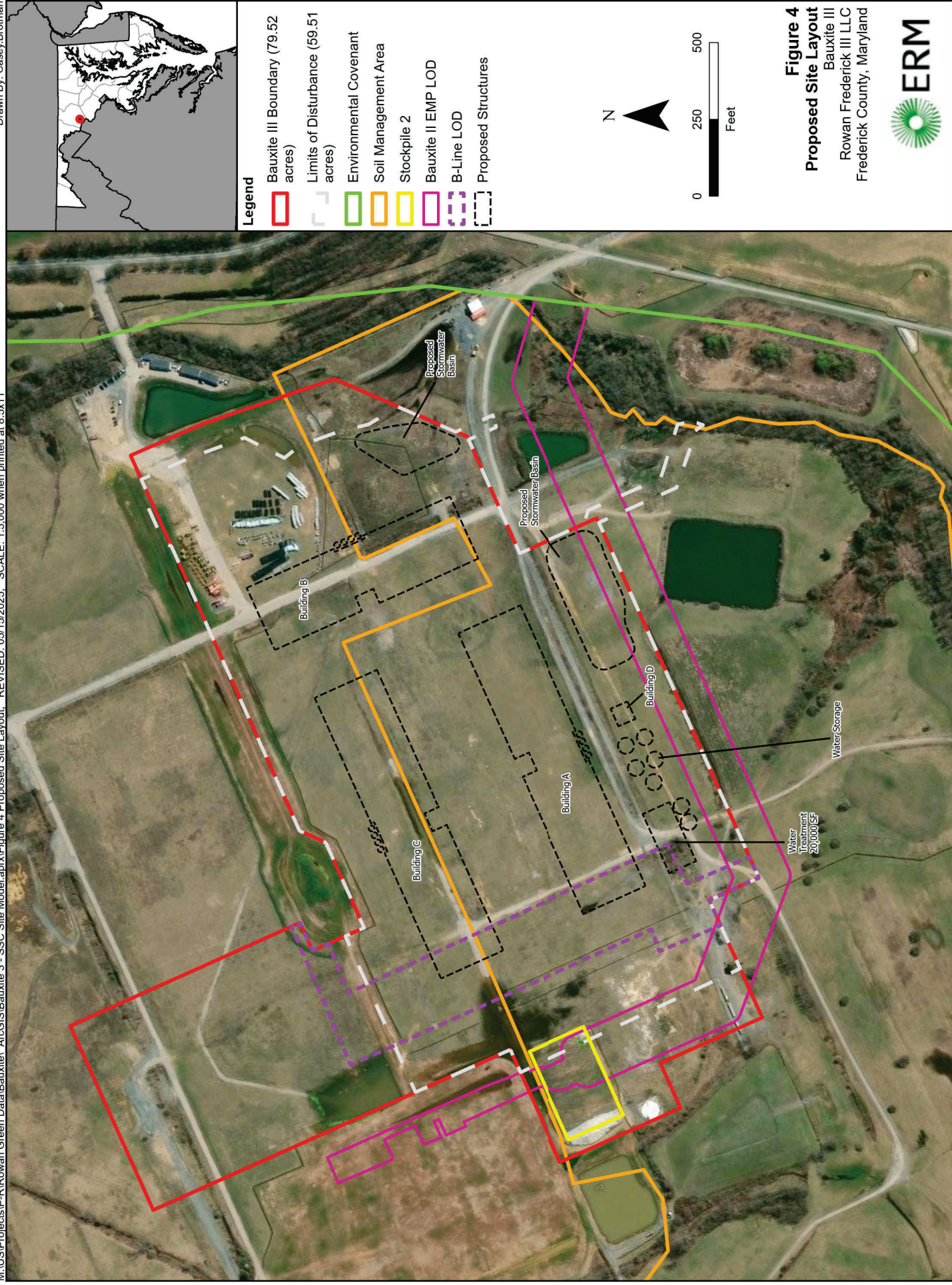


Figure 3
Current Site Features
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland





GTA Samples Near Limits of Disturbance

- Historic GTA Soil Borings (data included with the site SMP dated June 5, 2017)
- Historic GTA Soil Borings (data from 2022 Phase II)

Terracon Phase II Investigation

- Terracon Soil Boring: Terracon, 2024
- Terracon Temporary Water Well: Terracon, 2024



Legend

Bauxite III Boundary (79.52 acres)

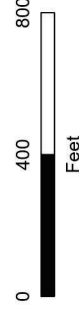
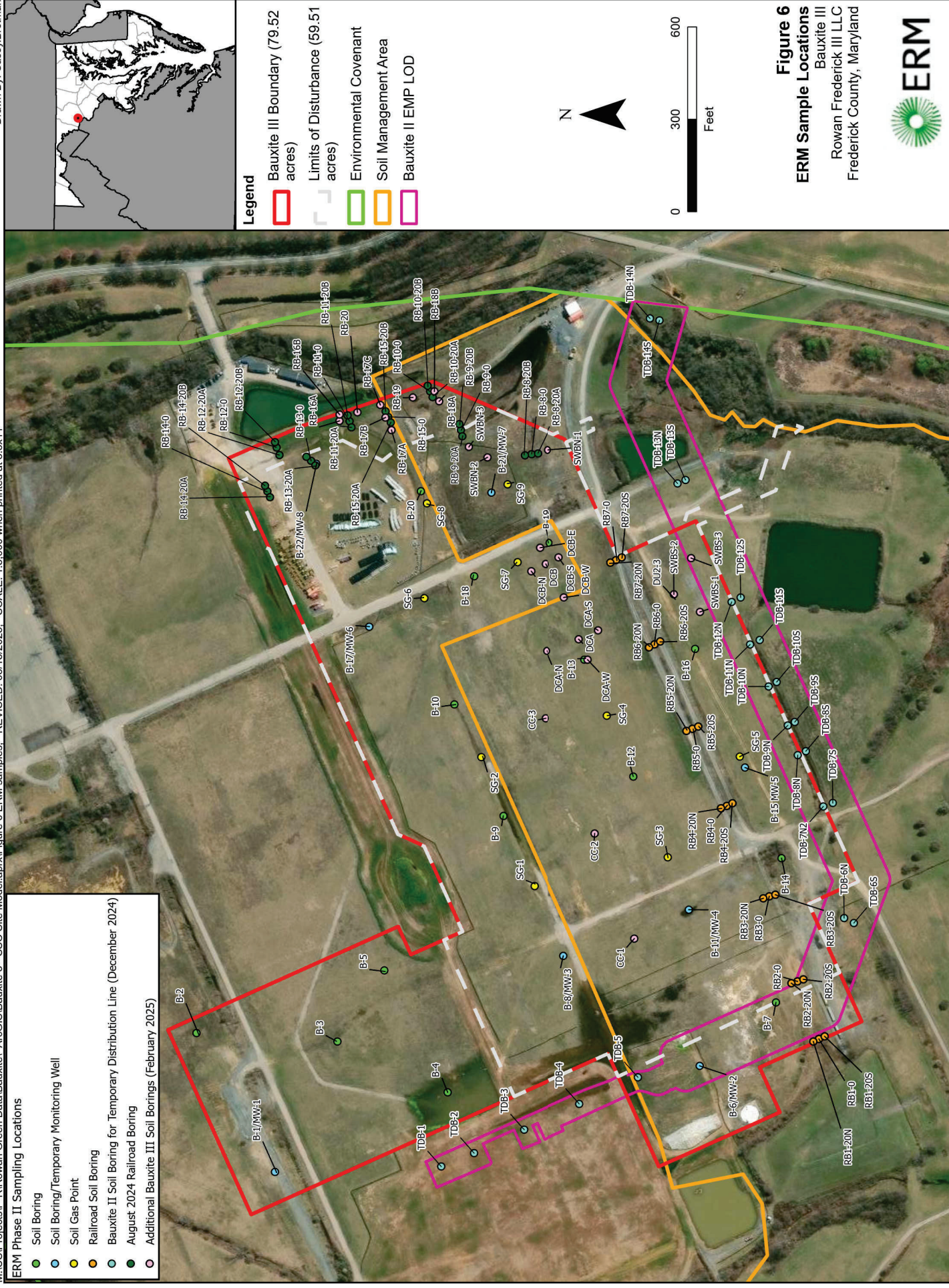


Figure 5
Historical Soil
Sampling Locations
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland





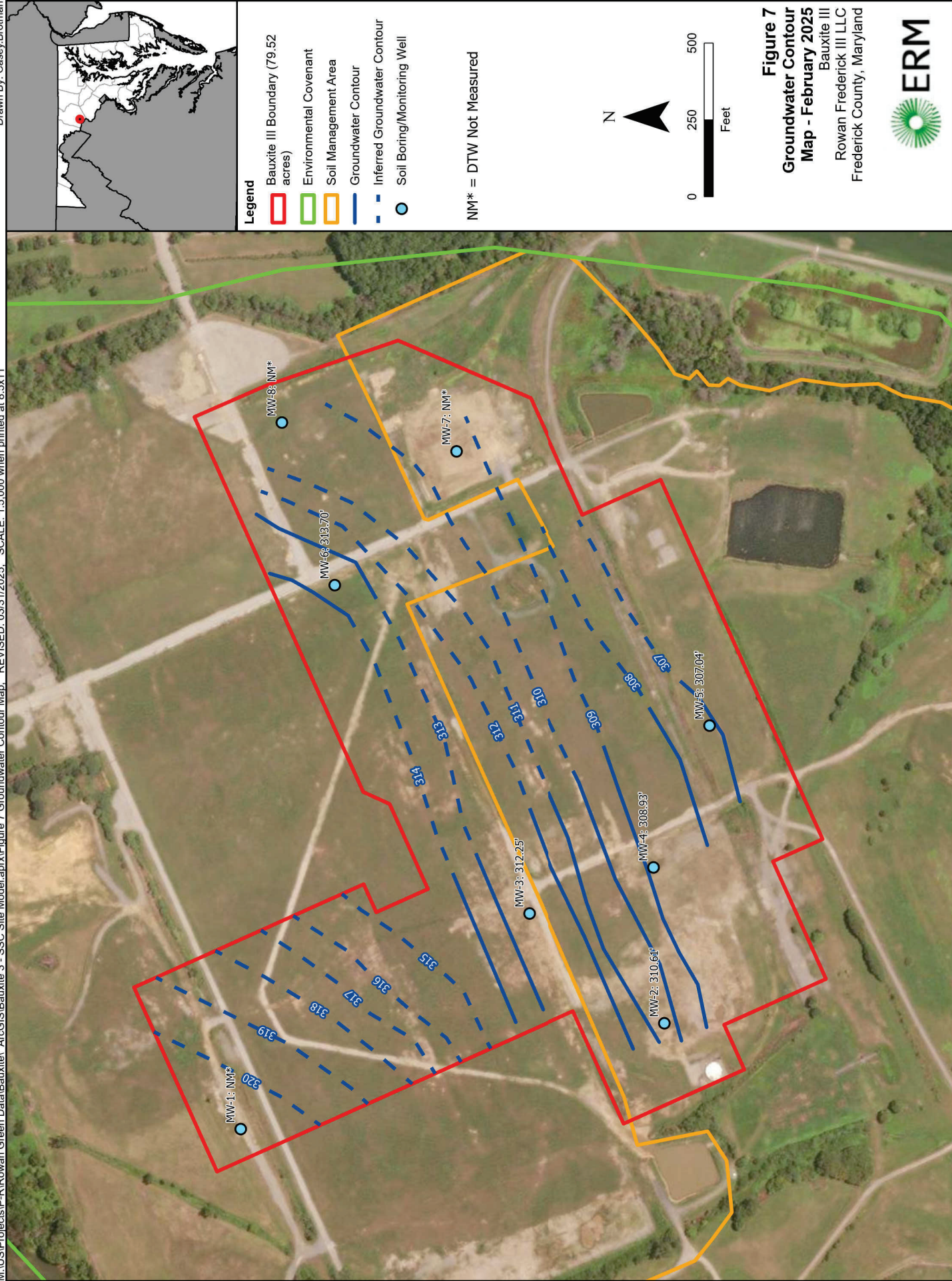


Figure 7
Groundwater Contour
Map - February 2025
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland



*The highest detection in ERM samples was 36 ppm at RB-15-0. ERM did not detect any concentrations at or above 50 ppm.



Legend

- Bauxite III Boundary (79.52 acres)
- Limits of Disturbance (59.51 acres)
- Environmental Covenant
- Soil Management Area
- PCBs <1ppm
- PCBs 1-10ppm
- ERM Soil Boring Location

*PCB Detection - GEI, East Water Line EMP, May 2024

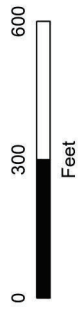
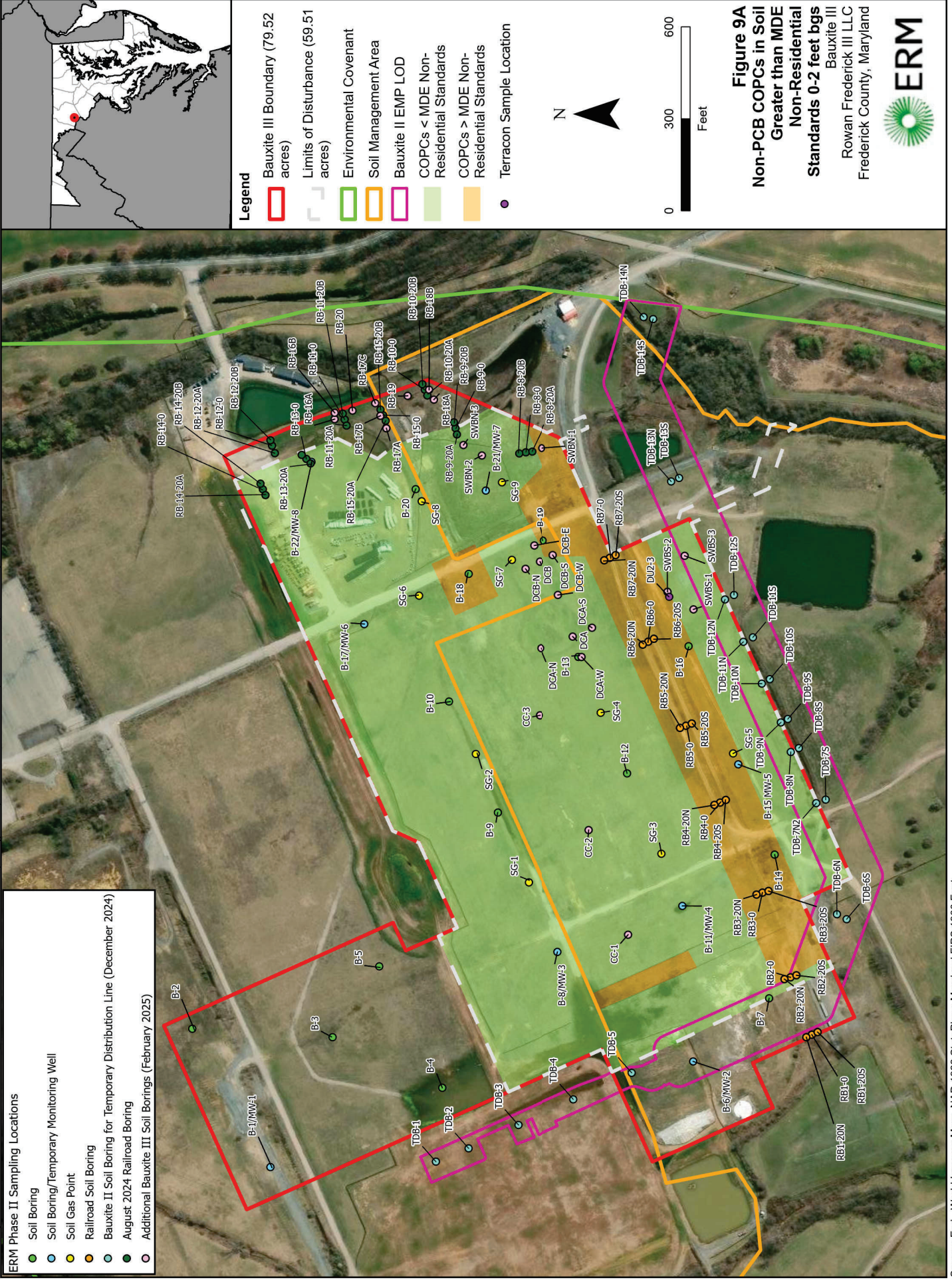
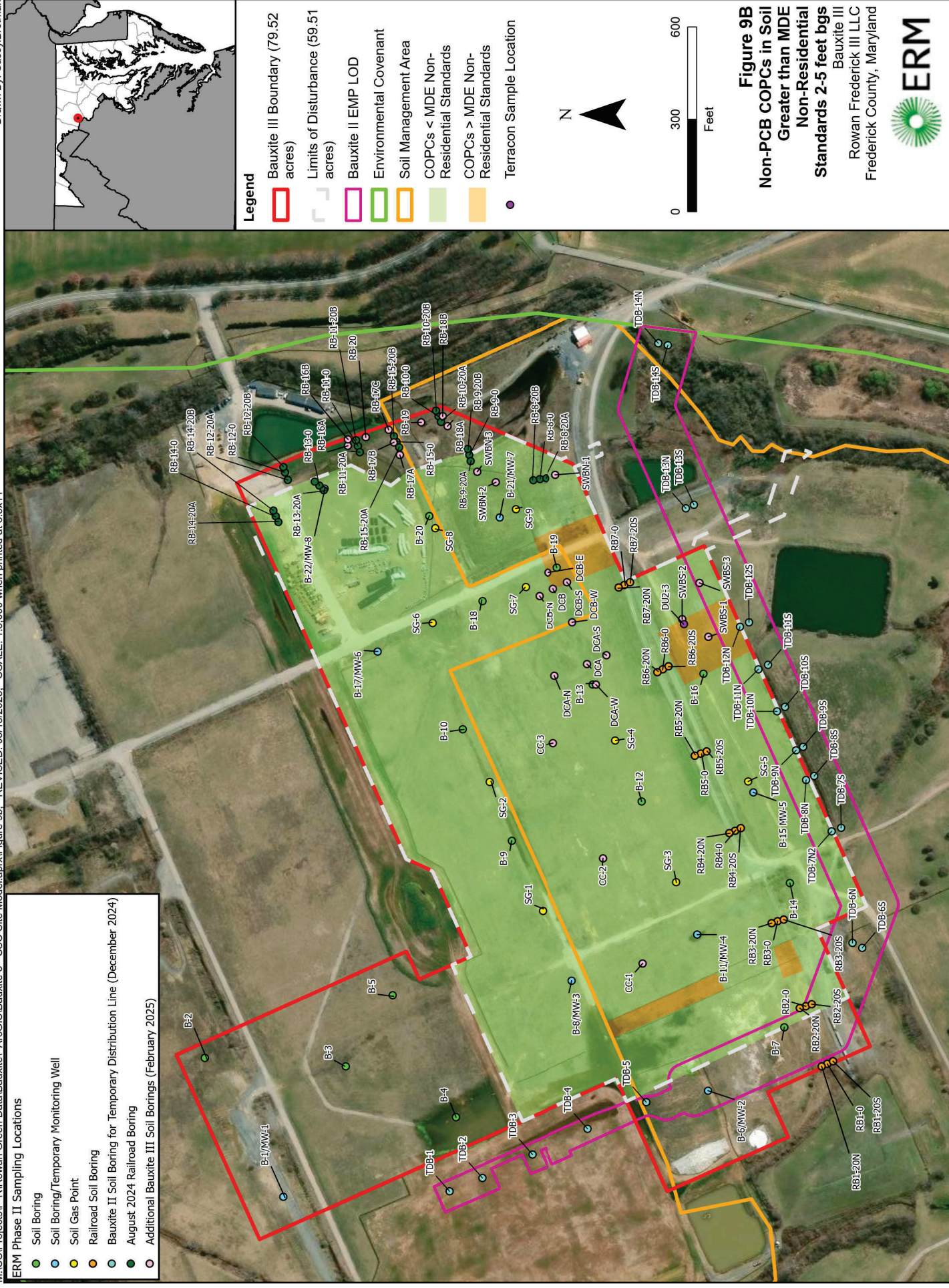
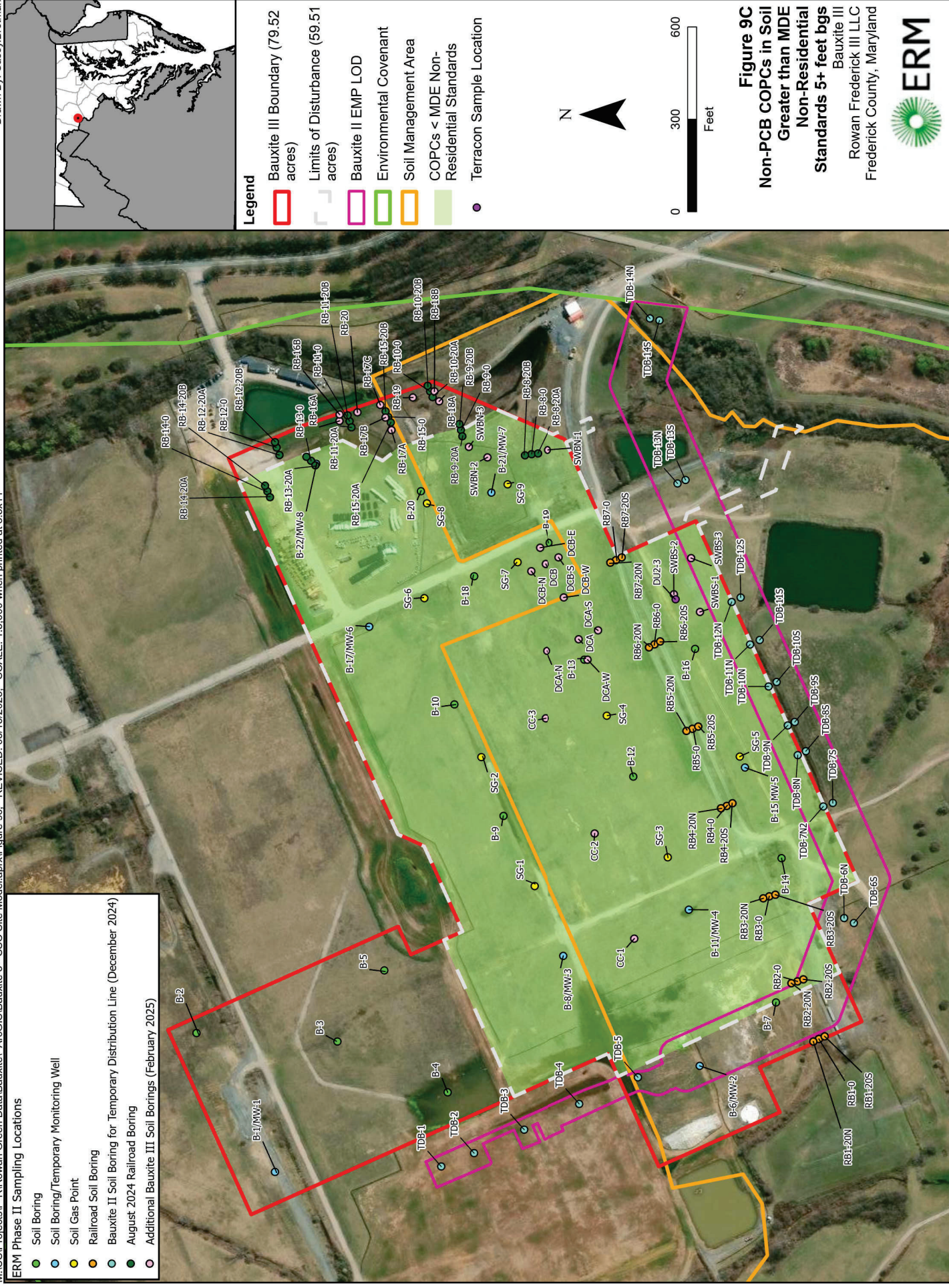


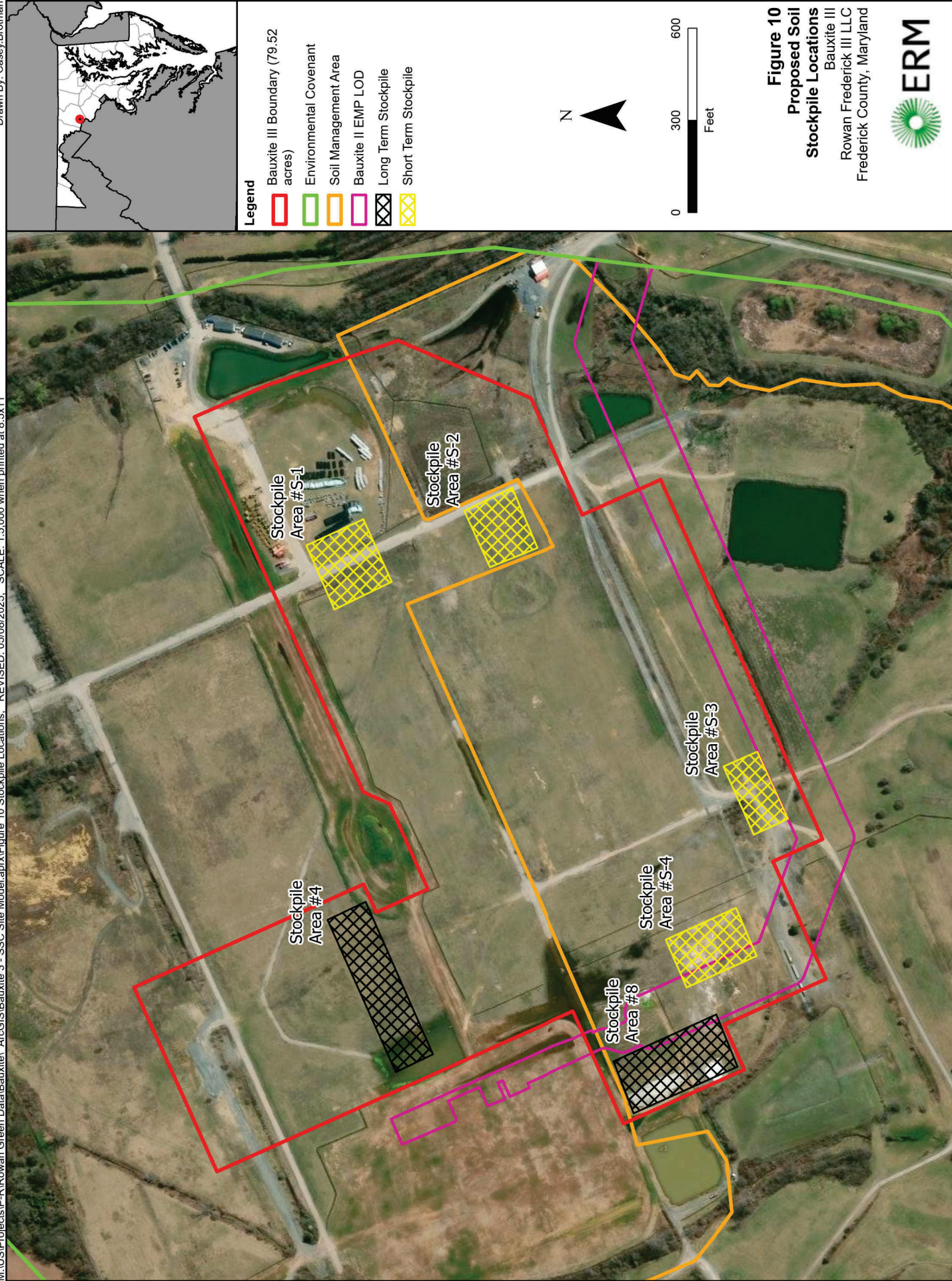
Figure 8A
PCBs in Soil 0-2 feet bgs
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland

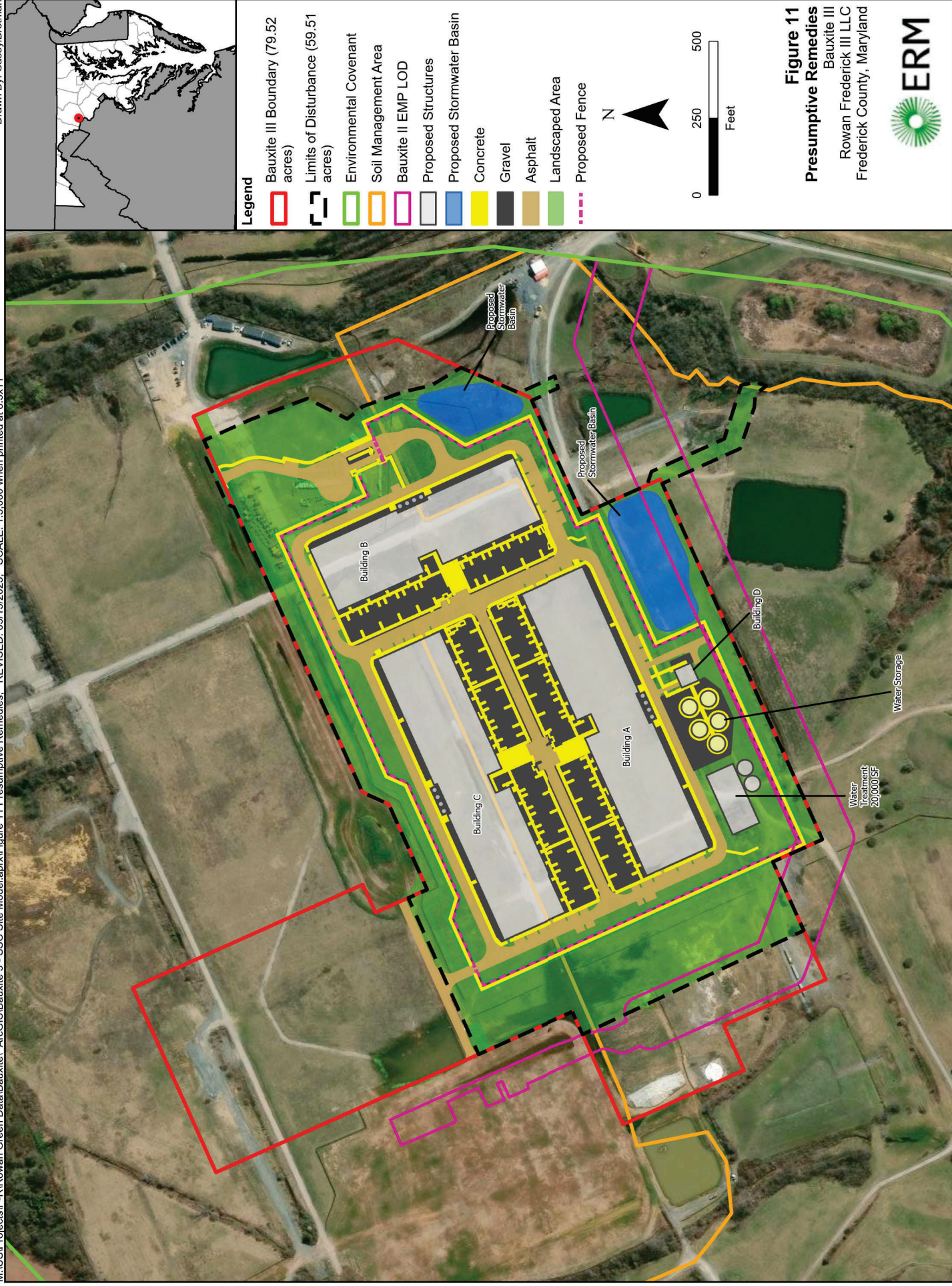


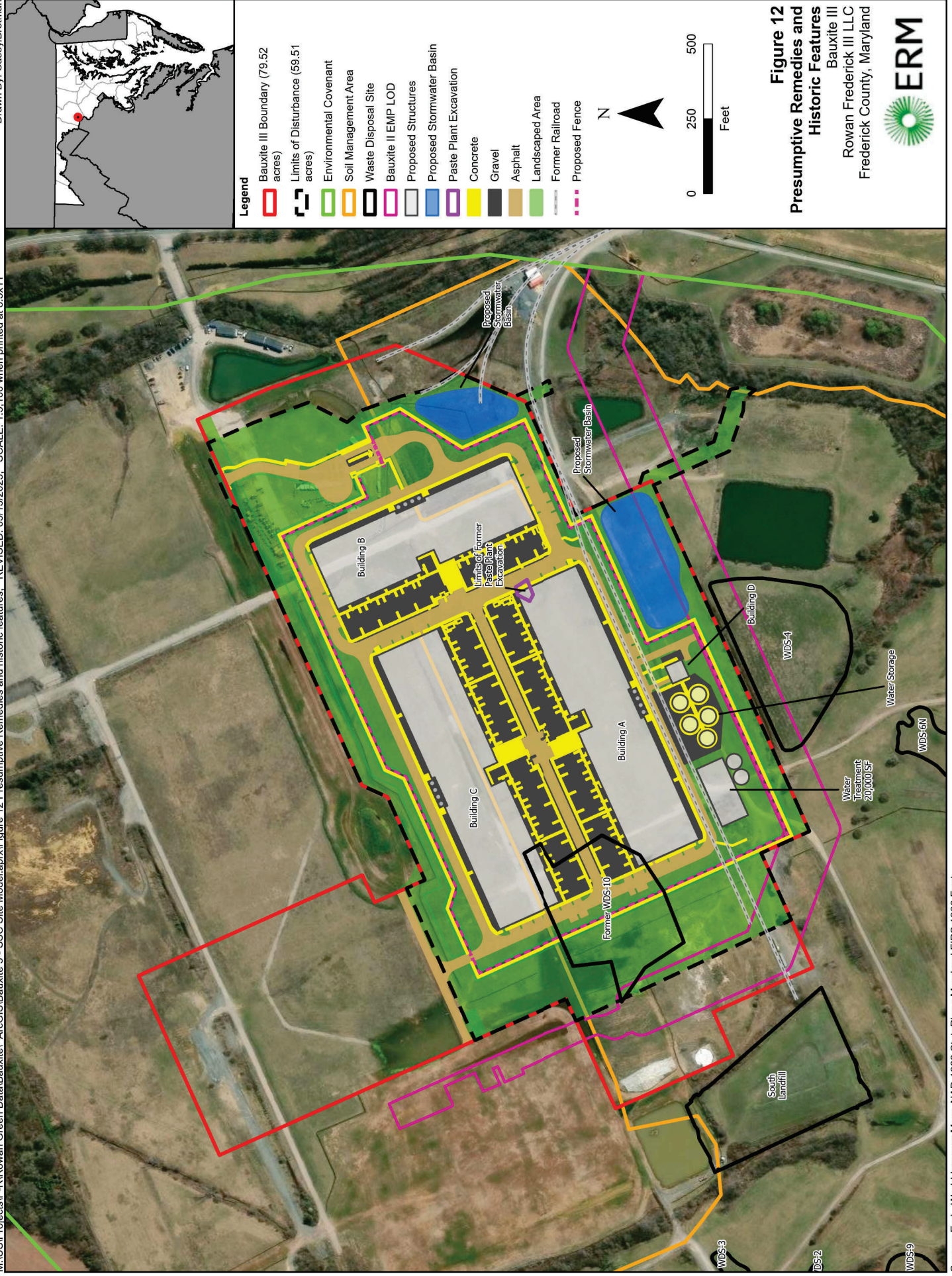












Elevation increase within this area is dependent on material encountered during construction

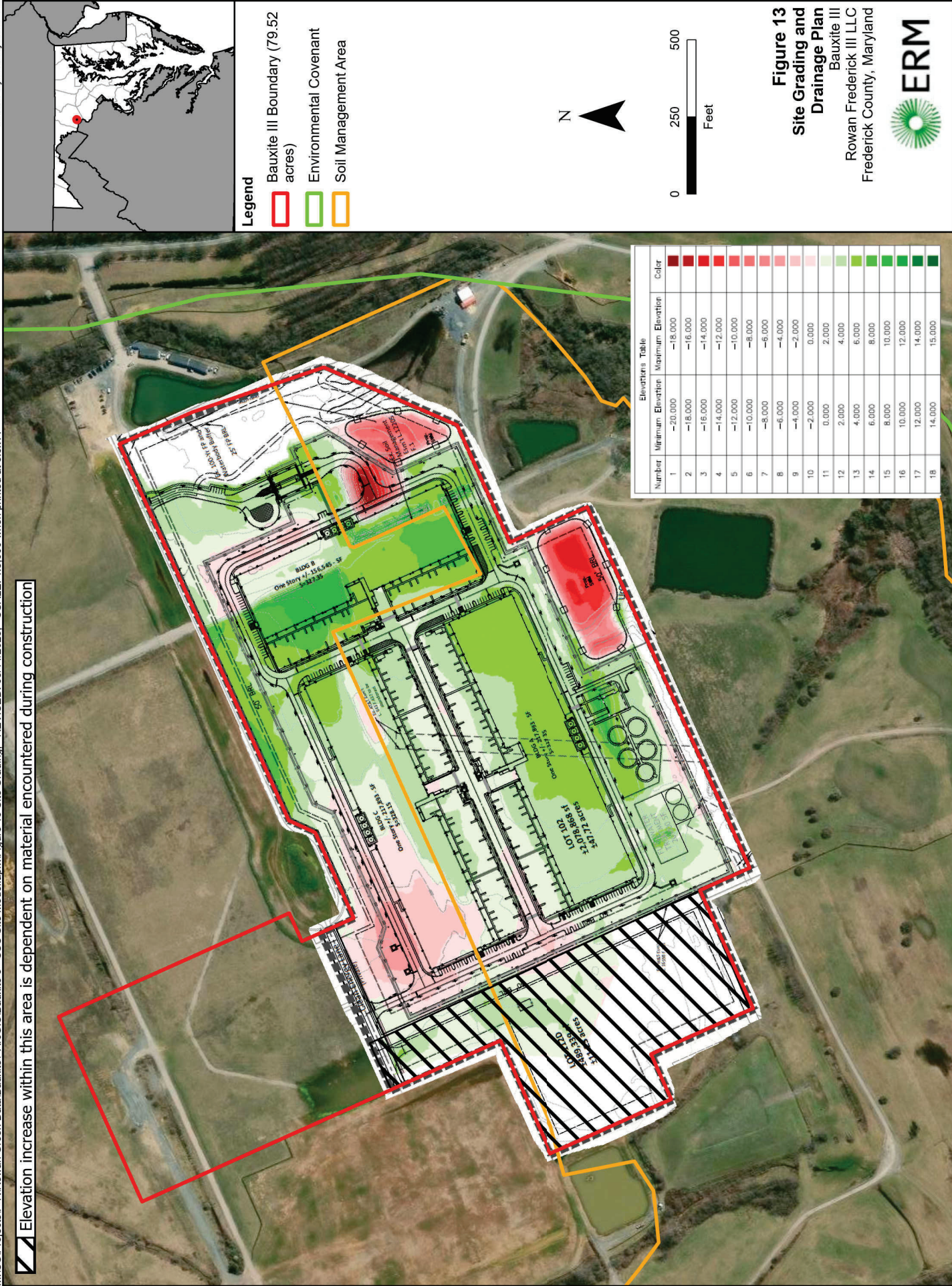
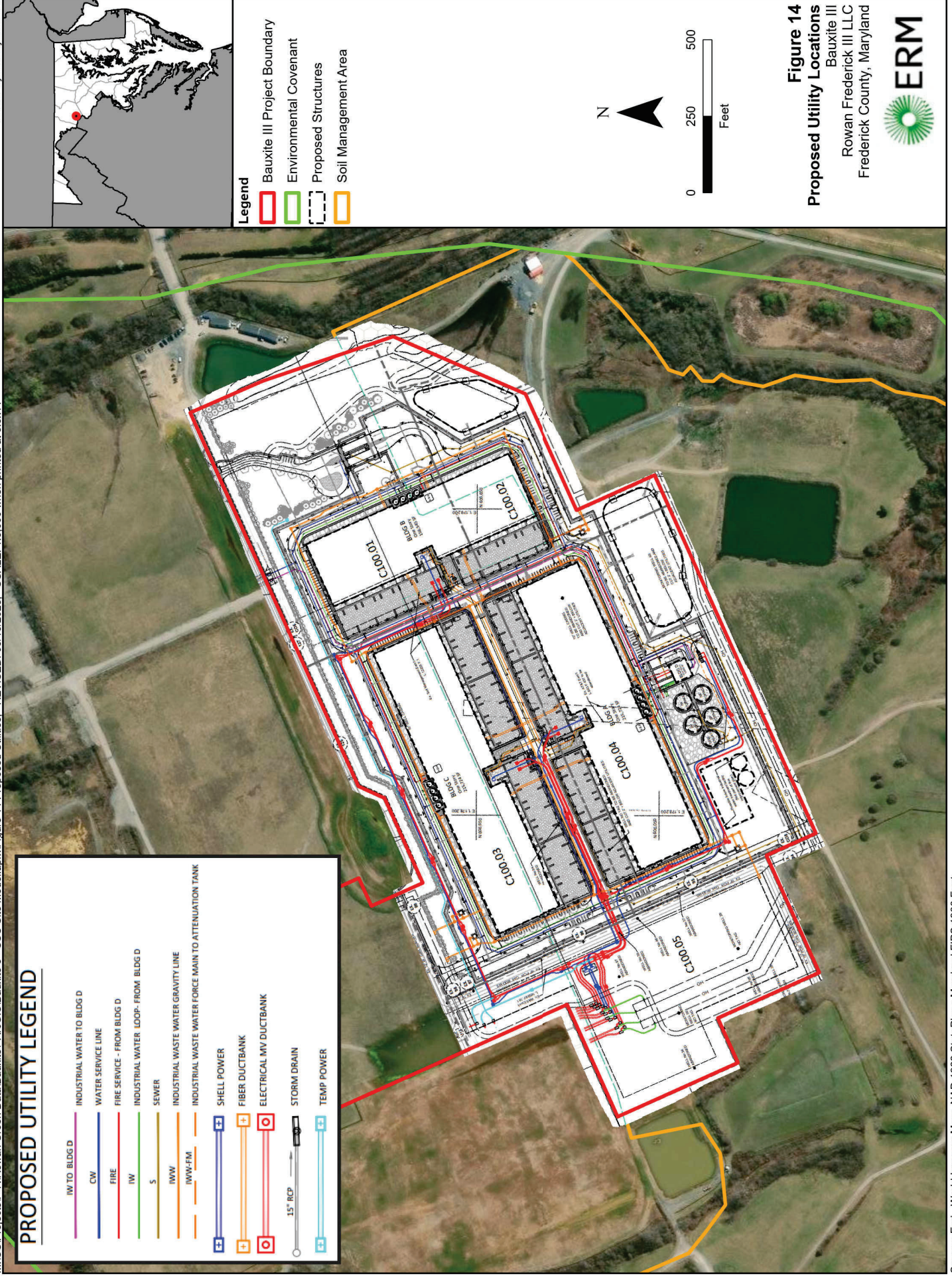


Figure 13
Site Grading and
Drainage Plan
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland





[illegible][illegible]

Figure 15
Sedimentation and
Erosion Controls
Bauxite III
Lowan Frederick III LLC
erick County, Maryland



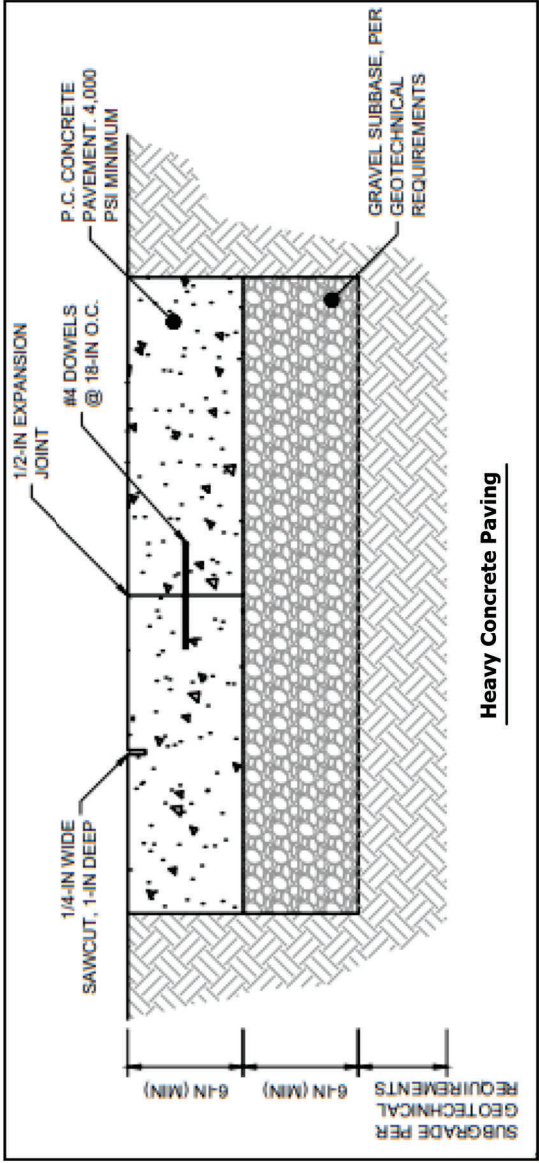
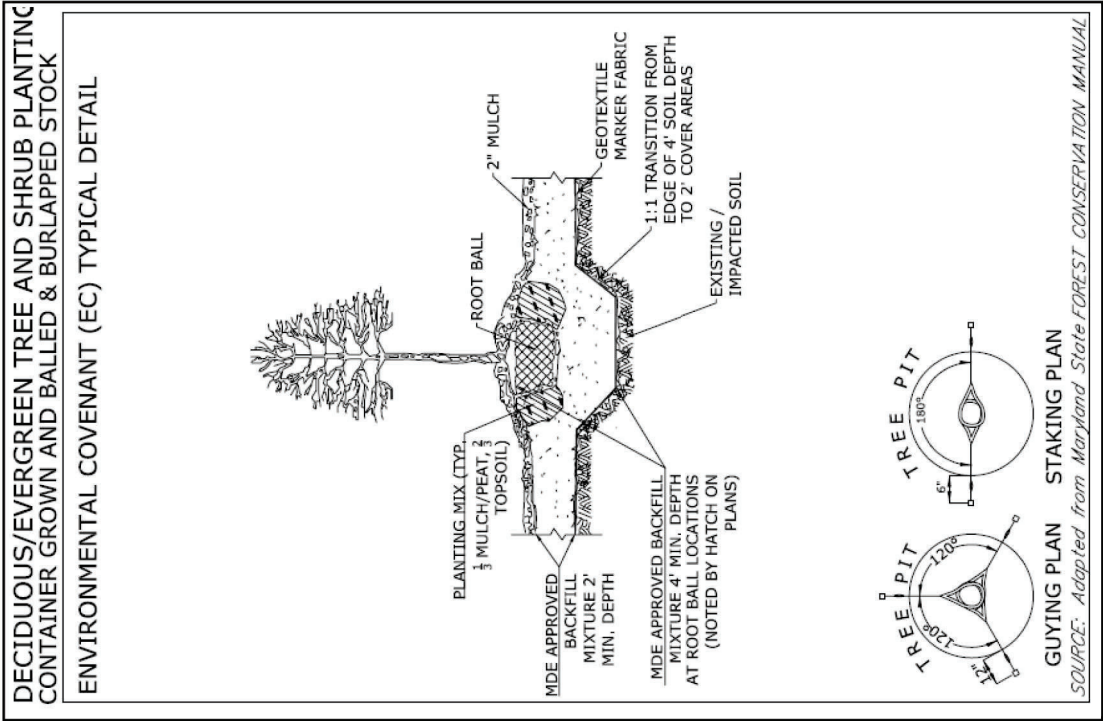
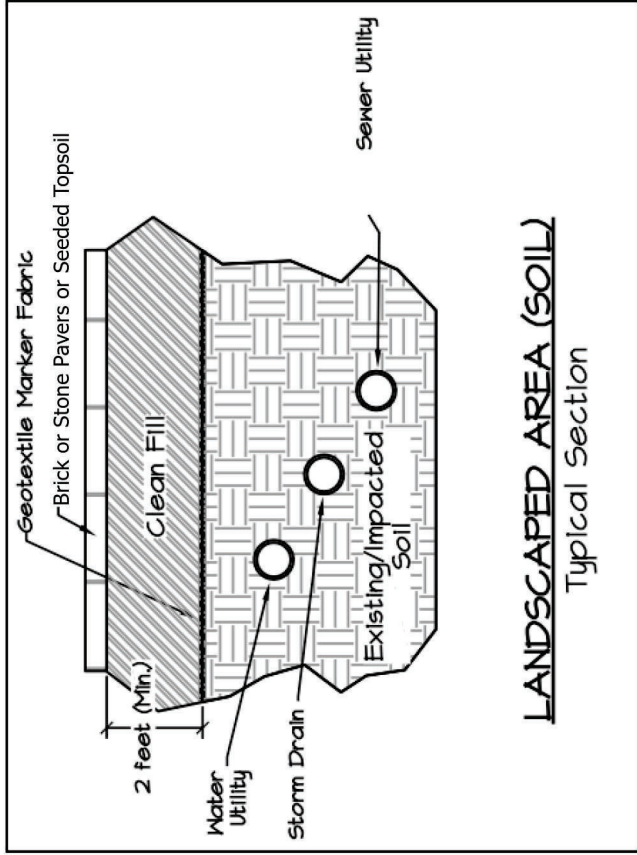


Figure 16a
Capping Details
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland



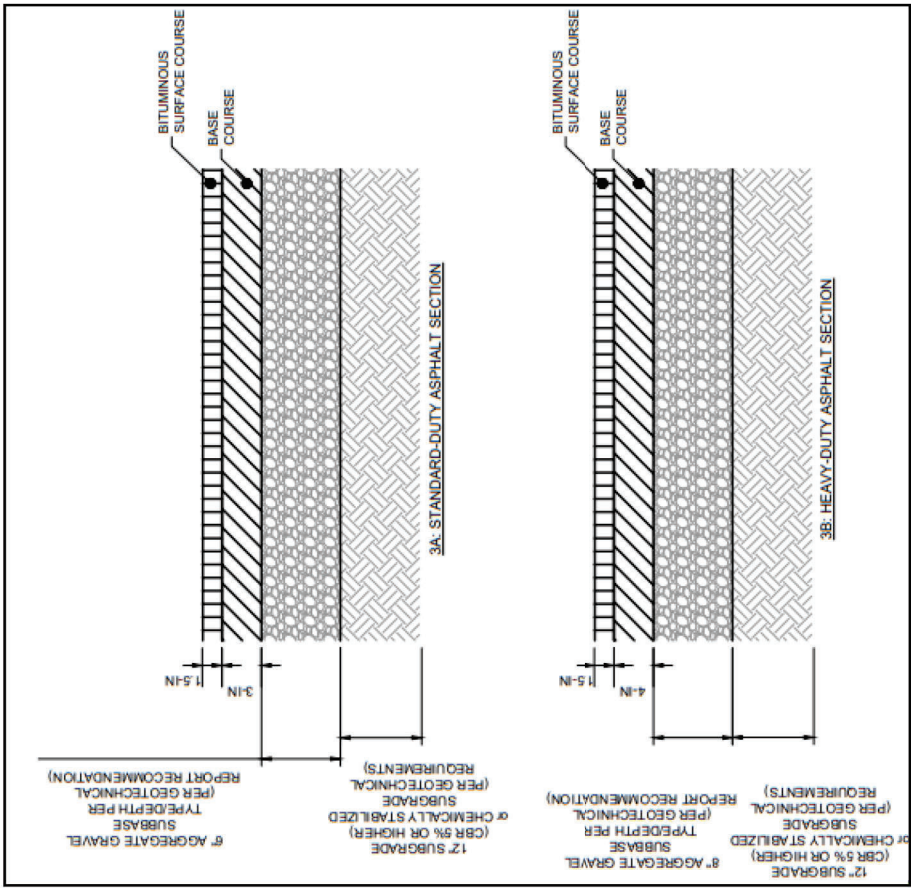
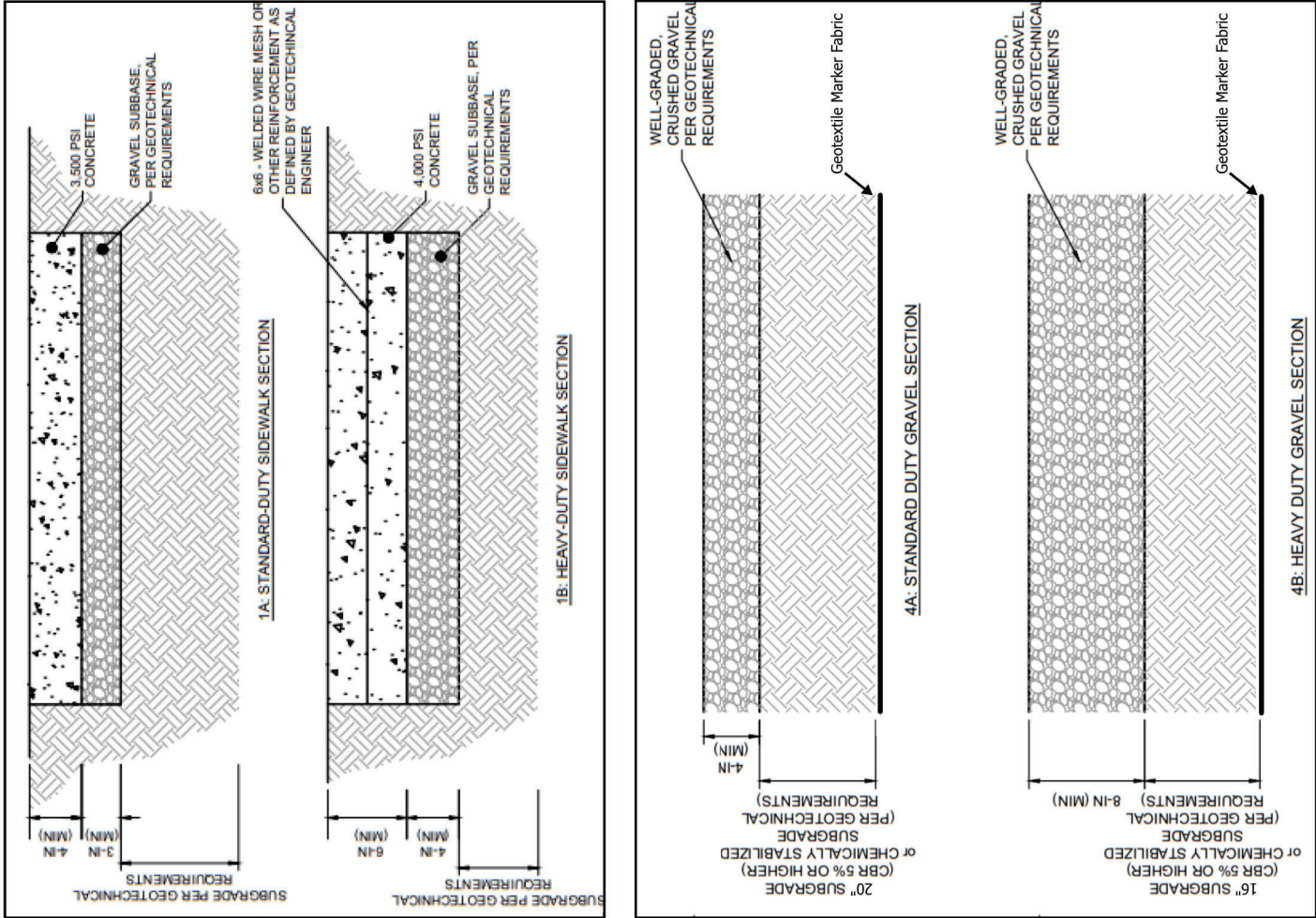


Figure 16b
Capping Details
Bauxite III
Rowan Frederick III LLC
Frederick County, Maryland



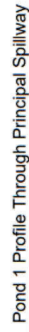


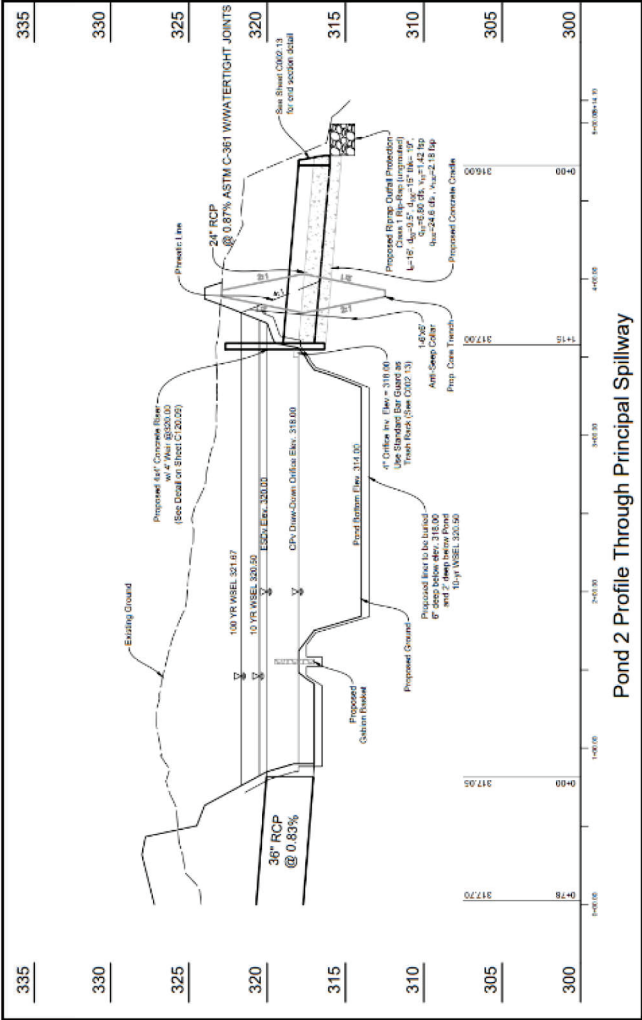
Table 1: Requirements for geomembrane and geosynthetic clay liner materials

Type ¹	Name	Minimum Thickness (mil) ²	
		Wastewater	Clear Water
HDPE	High Density Polyethylene	60	30
	Linear Low-Density Polyethylene	60	30
LLDPE	Reinforced Linear Low-Density Polyethylene	45	24
	Polyethylene Chloride	40	30
EPDM	Ethylene Propylene Diene Terpolymer	45	45
	Flexible	45	30
FPP	Reinforced Flexible Polypropylene	45 ³	36
	Reinforced, Silt - Film, Woven Polyethylene	NR ³	36
GCL	Geosynthetic Clay Liner	0.75 lbs./square foot	

¹ Geomembrane materials must meet the criteria in NRCS National Engineering Handbook (NEH), Part 642, Chapter 3, "Material Specification 594 - Geomembrane Liner." GCL materials must meet the criteria in NRCS NEH, Part 642, Chapter 3, "Material Specification 595 - Geosynthetic Clay Liner."

² 1 mil = 1/1000 inch

³ NR - Not recommended for waste storage. Welding can damage material near reinforcement fibers.





TABLES

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	Parameter	Location ID Depth (ft) Sample Date	ERM Addtl. Investigation (2025)											
			MDE Non-Residential Cleanup Standard	CC-1 2-4 2/11/2025	CC-1 4-5 2/11/2025	CC-1 7-8 2/11/2025	CC-1 9-10 2/20/2025	CC-2 2-4 2/11/2025	CC-2 4-5 2/11/2025	CC-2 9-10 2/11/2025	CC-2 14-15 2/11/2025	CC-3 2-4 2/19/2025	CC-3 4-5 2/19/2025	CC-3 9-10 2/19/2025
				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
ERM Addtl. Investigation (2025)	1,1,1-Trichloroethane	3,600,000	<360 cn	<55U cn	<1.1U	<1.1U	<0.92U	<38U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,1,2,2-Tetrachloroethane	2,700	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,1,2-Trichloroethane	630	<26U cn	<39U cn	<0.93U	<0.93U	<0.81U	<27U cn	<0.58U	<0.71U	<0.71U	<0.82U	<0.79U	<0.70U
	1,1-Dichloroethane	16,000	<26U cn	<39U cn	<1.1U	<1.1U	<0.92U	<27U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,1-Dichloroethane	100,000	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,2,4-Trichlorobenzene	NVL	<26U cn	<39U cn	<6.6U	<6.6U	<5.8U	<27U cn	<4.1U	<4.4U	<5.1U	<5.1U	<5.6U	<5.0U
	1,2-Dibromo-3-chloropropane	64	<52U cn	<78U cn	<1.1U	<1.1U	<0.92U	<38U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,2-Dichloroethane	160	<31U cn	<47U cn	<0.93U	<0.93U	<0.81U	<32U cn	<0.58U	<0.71U	<0.71U	<0.82U	<0.79U	<0.70U
	1,2-Dichloroethane	930,000	<31U cn	<47U cn	<1.2U	<1.2U	<1.0U	<32U cn	<0.79U	<0.79U	<0.92U	<0.92U	<1.0U	<0.90U
	1,2-Dichloroethane	2,000	<31U cn	<47U cn	<0.79U	<0.79U	<0.69U	<32U cn	<0.50U	<0.53U	<0.61U	<0.61U	<0.67U	<0.60U
	1,2-Dichloropropane	6,600	<26U cn	<39U cn	<1.1U	<1.1U	<0.92U	<27U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	1,3-Dichlorobenzene	NVL	<26U cn	<39U cn	<1.3U	<1.3U	<1.2U	<27U cn	<0.83U	<0.88U	<1.0U	<1.0U	<1.1U	<1.0U
	1,4-Dichlorobenzene	11,000	<26U cn	<39U cn	<1.2U	<1.2U	<1.0U	<27U cn	<0.79U	<0.79U	<0.91U	<0.92U	<1.0U	<0.90U
	2-Butanone (Methyl Ethyl Ketone)	19,000,000	<100U cn	<160U cn	3.3U	2.3U	2.3U	<27U cn	<1.74U	2.7U	<2.0U	<2.0U	<2.2U	3.7U
	2-Hexanone	NVL	<100U cn	<160U cn	<3.3U	<3.3U	<2.9U	<81U cn	<3.1U	<2.7U	<2.5U	<2.6U	<2.8U	<2.5U
	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	<77U cn	<120U cn	<2.6U	<2.6U	<2.3U	<81U cn	<1.7U	<1.8U	<2.0U	<2.0U	<2.2U	<2.0U
	Acetone	67,000,000	<31U cn	<47U cn	24U	24U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Benzene	5,100	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Bromodichloromethane (THM)	1,300	<36U cn	<53U cn	<0.93U	<0.93U	<0.81U	<27U cn	<0.58U	<0.62U	<0.71U	<0.71U	<0.79U	<0.70U
	Bromotoluene (THM)	86,000	<26U cn	<39U cn	<0.60U	<0.60U	<0.50U	<27U cn	<0.40U	<0.40U	<0.40U	<0.40U	<0.40U	<0.40U
	Bromotoluene	3,000	<83U cn	<120U cn	<1.3U	<1.3U	<1.20U cn	<87U cn	<0.83U	<0.88U	<1.0U	<1.0U	<1.1U	<1.0U
	Carbon Disulfide	350,000	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Carbon Tetrachloride	2,500	<100U cn	<160U cn	<1.1U	<1.1U	<0.92U	<100U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Chlorobenzene	130,000	<26U cn	<39U cn	<1.3U	<1.3U	<1.2U	<27U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Chloroethane	570,000,000	<77U cn	<120U cn	<1.3U	<1.3U	<1.20U cn	<87U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Chloroform	1,400	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Chloromethane	46,000	<46U cn	<70U cn	<1.3U	<1.3U	<1.2U	<30U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	cis-1,2-Dichloroethane	230,000	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	cis-1,5-Dichloropropene	NVL	<31U cn	<47U cn	<0.79U	<0.79U	<0.69U	<32U cn	<0.50U	<0.53U	<0.61U	<0.61U	<0.67U	<0.60U
	Cyclohexane	NVL	<26U cn	<39U cn	<1.2U	<1.2U	<1.0U	<27U cn	<0.41U	<0.41U	<0.51U	<0.51U	<0.56U	<0.50U
	Dibromochloromethane	39,000	<31U cn	<47U cn	<1.3U	<1.3U	<1.20U cn	<32U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Dichlorodifluoromethane	NVL	<31U cn	<47U cn	<1.3U	<1.3U	<1.20U cn	<32U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Ethylbenzene	25,000	<36U cn	<53U cn	<1.3U	<1.3U	<1.20U cn	<32U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Freon 113	NVL	<31U cn	<47U cn	<1.2U	<1.2U	<1.0U	<32U cn	<0.79U	<0.79U	<0.91U	<0.92U	<1.0U	<0.90U
	Gumene (isopropylbenzene)	990,000	<31U cn	<47U cn	<2.0U **	<2.0U **	<1.7U	<32U cn	<1.3U	<1.3U	<1.5U	<0.92U	<1.7U	<1.5U
	Methyl Acetate	NVL	<32U cn	<49U cn	<1.3U	<1.3U	<1.2U	<92U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Methyl tert-butyl ether (MTBE)	210,000	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Methylcyclohexane	NVL	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Methylene Chloride (Dichloromethane)	320,000	<100U cn	<160U cn	<1.6U	<1.6U	<1.40U cn	<100U cn	<0.92U	<1.8U	<0.92U	<0.92U	<2.2U	<2.0U
	Syrene	3,500,000	<31U cn	<47U cn	<1.2U	<1.2U	<1.0U	<32U cn	<0.74U	<0.74U	<0.92U	<0.92U	<1.7U	<1.5U
	Tetrachloroethene	39,000	<31U cn	<47U cn	<1.2U	<1.2U	<1.0U	<32U cn	<0.74U	<0.74U	<0.92U	<0.92U	<1.7U	<1.5U
	Toluene	4,700,000	<31U cn	<47U cn	<1.3U	<1.3U	<1.2U	<32U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	trans-1,2-Dichloroethene	2,300,000	<31U cn	<47U cn	<1.3U	<1.3U	<1.20U cn	<32U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	trans-1,3-Dichloropropene	NVL	<31U cn	<47U cn	<0.79U	<0.79U	<0.69U	<32U cn	<0.50U	<0.53U	<0.61U	<0.61U	<0.67U	<0.60U
	Trichloroethene	1,500	<31U cn	<47U cn	<1.1U	<1.1U	<0.92U	<32U cn	<0.66U	<0.70U	<0.81U	<0.82U	<0.90U	<0.80U
	Trichlorofluoromethane	NVL	<41U cn	<62U cn	<1.3U	<1.3U	<1.20U cn	<43U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Vinyl Chloride	1,700	<41U cn	<62U cn	<1.3U	<1.3U	<1.20U cn	<43U cn	<0.83U	<0.88U	<1.0U	<0.92U	<1.0U	<0.90U
	Xylenes	250,000	<72U cn	<110U cn	<0.93U	<0.93U	<0.81U	<78U cn	<0.58U	<0.62U	<0.71U	<0.71U	<0.79U	<0.70U

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value listed

EPA Risk-Based Screening Level (November 2023)

J = Analyte not detected, value represents reporting limit.

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS and/or MSD recovery exceeds control limits

F3 = MS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCP-S

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	Parameter	MDE Non-Residential Cleanup Standard	ERM Addtl. Investigation (2025)												
			Location ID Depth (ft) Sample Date	DCB-N 9-10 2/18/2025	DCB-N-14.14.7 14-14.7 2/18/2025	DCB-S 2-4 2/18/2025	DCB-S-4-5 4-5 2/19/2025	DCB-S 7-8.5 2/19/2025	DCB-E 2-4 2/18/2025	DCB-E-2-4 2-4 2/18/2025	DCB-E-4-5 4-5 2/18/2025	DCB-E 9-10 2/18/2025	DCB-E DUP 2/18/2025	DCB-W 2-4 2/18/2025	DCB-W 4-5 2/18/2025
ERM Addtl. Investigation (2025)	1,1,1-Trichloroethane	3,600,000	ug/kg	<520 cn	<0.94U cn	<36 cn	<490 cn	<36U cn	<41U cn	<35U cn	<40U cn	<47U cn	<0.82U *3 cn	<49U cn	<48U cn
	1,1,2,2-Tetrachloroethane	2,700	ug/kg	<44U cn	<0.94U cn	<31 cn	<42U cn	<31U cn	<35U cn	<29U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<42U cn	<41U cn
	1,1,2-Trichloroethane	630	ug/kg	<37U cn	<0.82U cn	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U cn	<0.72U *3 cn	<35U cn	<35U cn
	1,1-Dichloroethane	16,000	ug/kg	<37U cn	<0.94U cn	<25 cn	<42U cn	<31U cn	<29U cn	<29U cn	<34U cn	<41U cn	<0.82U *3 cn	<35U cn	<35U cn
	1,1-Dichlorobenzene	100,000	ug/kg	<44U cn	<0.94U cn	<31 cn	<42U cn	<31U cn	<29U cn	<29U cn	<34U cn	<41U cn	<0.82U *3 cn	<42U cn	<41U cn
	1,2,4-Trichlorobenzene	NVL	ug/kg	<370U cn	<5.9U	<25U cn	<350U cn	<260U cn	<290U cn	<290U cn	<340U cn	<340U FI cn	<5.1U *3 cn	<350U cn	<350U cn
	1,2-Dibromo-3-chloropropane	64	ug/kg	<74U cn	<0.94U cn	<51 cn	<70U * cn	<51U * cn	<58U cn	<58U cn	<57U cn	<68U FI cn	<0.82U *3 cn	<70U * cn	<69U * cn
	1,2-Dichloroethane	160	ug/kg	<44U cn	<0.82U cn	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U cn	<0.72U *3 cn	<42U cn	<41U cn
	1,2-Dichlorobenzene	930,000	ug/kg	<44U cn	<1.1U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U cn	<0.61U *3 cn	<42U cn	<41U cn
	1,2-Dichloroethane	2,000	ug/kg	<44U cn	<0.70U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U cn	<0.61U *3 cn	<42U cn	<41U cn
	1,2-Dichlorobenzene	6,600	ug/kg	<37U cn	<0.94U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<0.82U *3 cn	<35U cn	<35U cn
	1,3-Dichlorobenzene	NVL	ug/kg	<37U cn	<1.2U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<1.0U *3 cn	<35U cn	<35U cn
	1,4-Dichlorobenzene	11,000	ug/kg	<37U cn	<1.1U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<0.92U *3 cn	<35U cn	<35U cn
	2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	<150U cn	9.5I	<100U	<140U cn	<100U cn	<120U cn	<120U cn	<110U cn	<140U FI cn	<2.0U *3 cn	<140U cn	<140U cn
	2-Hexanone	NVL	ug/kg	<110U cn	<2.9U	<76 cn	<100U cn	<77U cn	<87U cn	<87U cn	<86U cn	<100U cn	<2.6U *3 cn	<100U cn	<100U cn
	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	<110U cn	<2.3U	<76 cn	<100U cn	<77U cn	<87U cn	<87U cn	<86U cn	<100U cn	<2.6U *3 cn	<100U cn	<100U cn
	Acetone	67,000,000	ug/kg	<40U cn	<0.82U	<310U	<420U cn	<310U cn	<350U cn	<350U cn	<340U cn	<410U cn	<2.0U *3 cn	<400U cn	<400U cn
	Benzene	5,100	ug/kg	<37U cn	<0.82U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<0.92U *3 cn	<35U cn	<35U cn
	Bromodichloromethane (THM)	1,300	ug/kg	<320U cn	<0.82U	<26 cn	<350U cn	<260U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<5.1U *3 cn	<350U cn	<350U cn
	Bromotoluene (THM)	86,000	ug/kg	<320U cn	<5.9U	<230U	<350U cn	<260U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<5.1U *3 cn	<350U cn	<350U cn
	Bromotoluene	350,000	ug/kg	<120U cn	<0.82U	<81 * cn	<110U * cn	<82U * cn	<93U cn	<93U cn	<91U cn	<110U FI cn	<3.0U *3 cn	<110U * cn	<110U * cn
	Carbon Tetrachloride	150,000	ug/kg	<150U cn	<0.94U	<100U	<420U cn	<100U cn	<100U cn	<100U cn	<100U cn	<140U FI cn	<3.0U *3 cn	<140U cn	<140U cn
	Chlorobenzene	130,000	ug/kg	<37U cn	<1.1U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<0.92U *3 cn	<35U cn	<35U cn
	Chloroethane	5,700,000	ug/kg	<170U cn	<1.2U	<76 * cn	<100U * cn	<77U * cn	<87U * cn	<87U * cn	<86U * cn	<100U * cn	<2.6U *3 cn	<100U * cn	<100U * cn
	Chloroform	1,400	ug/kg	<40U cn	<0.82U	<310U	<420U cn	<310U cn	<350U cn	<350U cn	<340U cn	<410U cn	<2.0U *3 cn	<400U cn	<400U cn
	Chloromethane	46,000	ug/kg	<87U cn	<1.2U	<46 cn	<630U cn	<46U cn	<52U cn	<52U cn	<51U cn	<61U FI cn	<0.82U *3 cn	<630U cn	<620U cn
	dis-1,2-Dichloroethane	230,000	ug/kg	<44U cn	<0.94U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<42U cn	<41U cn
	dis-1,5-Dichloropropene	NVL	ug/kg	<44U cn	<0.70U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.61U *3 cn	<42U cn	<41U cn
	Cyclohexane	39,000	ug/kg	<37U cn	<1.1U	<25 cn	<35U cn	<26U cn	<29U cn	<29U cn	<29U cn	<34U FI cn	<0.82U *3 cn	<35U cn	<35U cn
	Dibromochloromethane	NVL	ug/kg	<150U cn	<0.59U	<100U	<420U cn	<100U cn	<100U cn	<100U cn	<110U cn	<140U FI cn	<0.51U *3 cn	<100U cn	<100U cn
	Dichlorodifluoromethane	NVL	ug/kg	<44U cn	<1.2U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<1.0U *3 cn	<420U cn	<420U cn
	Ethylbenzene	25,000	ug/kg	<320U cn	<1.2U	<36 cn	<420U cn	<36U cn	<41U cn	<41U cn	<40U cn	<47U cn	<0.92U *3 cn	<480U cn	<480U cn
	Freon 113	990,000	ug/kg	<44U cn	<1.8U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<1.5U *3 cn	<470U cn	<470U cn
	Gumene (isopropylbenzene)	NVL	ug/kg	<44U cn	<1.8U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<1.5U *3 cn	<470U cn	<470U cn
	Methyl Acetate	210,000	ug/kg	<44U cn	<0.94U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	Methyl tert-butyl ether (MTBE)	NVL	ug/kg	<44U cn	<0.94U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	Methylcyclohexane	NVL	ug/kg	<44U cn	<0.94U	<31 cn	<42U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	Methylene Chloride (Dichloromethane)	320,000	ug/kg	<150U cn	<2.3U	<100U	<420U cn	<100U cn	<100U cn	<100U cn	<110U cn	<140U FI cn	<2.0U *3 cn	<140U cn	<140U cn
	Syrene	3,500,000	ug/kg	<44U cn	<1.2U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.92U *3 cn	<420U cn	<410U cn
	Tetrachloroethene	39,000	ug/kg	<44U cn	<1.2U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<1.5U *3 cn	<420U cn	<410U cn
	Toluenes	4,700,000	ug/kg	<44U cn	<0.70U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	trans-1,2-Dichloroethene	NVL	ug/kg	<44U cn	<0.70U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	trans-1,3-Dichloropropene	NVL	ug/kg	<44U cn	<0.70U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	Trichloroethene	1,500	ug/kg	<44U cn	<0.94U	<31 cn	<420U cn	<31U cn	<35U cn	<35U cn	<34U cn	<41U FI cn	<0.82U *3 cn	<420U cn	<410U cn
	Trichlorofluoromethane	NVL	ug/kg	<44U cn	<1.2U	<41 cn	<560U cn	<41U cn	<480U cn	<480U cn	<460U cn	<540U FI cn	<1.5U *3 cn	<560U cn	<550U cn
	Vinyl Chloride	1,700	ug/kg	<44U cn	<0.94U	<41 cn	<560U cn	<41U cn	<480U cn	<480U cn	<460U cn	<540U FI cn	<1.5U *3 cn	<560U cn	<550U cn
	Xylenes	250,000	ug/kg	<100U cn	<0.82U	<71 cn	<96U cn	<72U cn	<81U cn	<81U cn	<80U cn	<95U cn	<0.72U *3 cn	<97U cn	<97U cn

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value listed

EPA Risk-Based Screening Level (November 2023)

J = Analyte not detected, value represents reporting limit.

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCB-S

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	ERM Addtl. Investigation (2025)													
	Location ID	DCB-W	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-2	SWBN-2	SWBN-2
	Depth (ft)	8-9	2-4	4-5	9-10	9-10	9-10	14-15	14-15	19-20	19-20	2-4	2-4	4-5
Parameter	Sample ID	DCB-W-s-9	SWBN-1-2-4	SWBN-1-4-5	SWBN-1-9-10	SWBN-1-14-15	DUP-004	DUP-4	DUP-004	SWBN-1-19-20	SWBN-2-3-4	SWBN-2-4-5	SWBN-2-9-10	SWBN-2-9-10
	Sample Date	2/18/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/14/2025	2/19/2025	2/19/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025
MDE Non-Residential Cleanup Standard														
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	3,600,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<35U cn	<45U cn	<44U cn	<48U cn	<48U cn
1,1,2,2-Tetrachloroethane	2,700	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,1,2-Trichloroethane	630	<0.72U	<0.70U	<0.76U	<0.64U	<0.64U	<0.75U	<0.62U	<0.62U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
1,1-Dichloroethane	15,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,1-Dichlorobenzene	100,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,2,4-Trichlorobenzene	NVL	<5.1U	<5.0U	<5.4U F1	<4.6U	<4.6U	<5.3U	<4.4U	<4.4U	<250U cn	<320U cn	<320U cn	<340U cn	<340U cn
1,2-Dibromo-3-chloropropane	64	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<49U cn	<64U cn	<63U cn	<68U cn	<68U cn
1,2-Dichloroethane	160	<0.72U	<0.70U	<0.76U	<0.64U	<0.64U	<0.75U	<0.62U	<0.62U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,2-Dichlorobenzene	930,000	<0.92U	<0.90U	<0.98U F1	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,2-Dichloropropane	2,000	<0.61U	<0.60U	<0.65U	<0.55U	<0.55U	<0.63U	<0.53U	<0.53U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
1,3-Dichloropropane	6,600	<0.82U	<0.80U cn	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
1,3-Dichlorobenzene	NVL	<1.0U	<1.0U	<1.1U F1	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
1,4-Dichlorobenzene	11,000,000	<0.92U	<0.90U	<0.98U F1	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
2-Butanone (Methyl Ethyl Ketone)	19,000,000	<2.6U	<2.5U	<2.7U	<2.3U	<2.3U	<2.7U	<2.1U	<2.1U	<130U cn	<130U cn	<130U cn	<140U cn	<140U cn
2-Hexanone	NVL	<2.6U	<2.5U	<2.7U	<2.3U	<2.3U	<2.7U	<2.1U	<2.1U	<98U cn	<96U cn	<95U cn	<100U cn	<100U cn
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	<2.0U	<2.0U	<2.2U	<1.8U	<1.8U	<2.2U	<1.6U	<1.6U	<74U cn	<74U cn	<74U cn	<80U cn	<80U cn
Acetone	67,000,000	<2.0U	<2.0U	<2.2U	<1.8U	<1.8U	<2.2U	<1.6U	<1.6U	<74U cn	<74U cn	<74U cn	<80U cn	<80U cn
Benzene	5,100	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Bromodichloromethane (THM)	1,300	<0.72U	<0.70U	<0.76U	<0.64U	<0.64U	<0.75U	<0.62U	<0.62U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
Bromotoluene (THM)	86,000	<5.1U	<5.0U	<5.4U	<4.6U	<4.6U	<5.3U	<4.4U	<4.4U	<250U cn	<320U cn	<320U cn	<340U cn	<340U cn
Bromotoluene	350,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Carbon Disulfide	1,500	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Carbon Tetrachloride	130,000	<0.92U	<0.90U	<0.98U	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
Chlorobenzene	57,000,000	<1.0U	<1.0U	<1.1U	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
Chloroethane	1,400	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Chloromethane	46,000	<1.0U	<1.0U	<1.1U	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
Chloromethane	230,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
cis-1,2-Dichloroethane	NVL	<0.61U	<0.60U	<0.65U	<0.55U	<0.55U	<0.63U	<0.53U	<0.53U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Cyclohexane	39,000	<0.92U	<0.90U	<0.98U	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
Dibromochloromethane	NVL	<0.51U	<0.50U	<0.54U	<0.46U	<0.46U	<0.53U	<0.44U	<0.44U	<99U cn	<97U cn	<97U cn	<100U cn	<100U cn
Dichlorodifluoromethane	NVL	<1.0U	<1.0U	<1.1U	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
Ethylbenzene	25,000	<1.0U	<1.0U	<1.1U	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
Freon 113	NVL	<0.92U	<0.90U	<0.98U	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
Gumene (isopropylbenzene)	990,000	<1.5U	<1.5U	<1.6U	<1.4U	<1.4U	<1.6U	<1.3U	<1.3U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Methyl Acetate	NVL	<1.5U	<1.5U	<1.6U	<1.4U	<1.4U	<1.6U	<1.3U	<1.3U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Methyl tert-butyl ether (MTBE)	210,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Methylcyclohexane	NVL	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Methylene Chloride (Dichloromethane)	320,000	<2.0U	<2.0U	<2.2U	<1.8U	<1.8U	<2.2U	<1.6U	<1.6U	<99U cn	<97U cn	<97U cn	<100U cn	<100U cn
Syrene	3,500,000	<0.92U	<0.90U	<0.98U F2	<0.82U	<0.82U	<0.95U	<0.80U	<0.80U	<25U cn	<32U cn	<32U cn	<34U cn	<34U cn
Tetrachloroethene	39,000	<2.1U	<2.1U	<2.2U	<1.9U	<1.9U	<2.2U	<1.7U	<1.7U	<130U cn	<130U cn	<130U cn	<140U cn	<140U cn
Toluene	4,700,000	<1.0U	<1.0U	<1.1U	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
trans-1,2-Dichloroethene	2,300,000	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
trans-1,3-Dichloropropene	NVL	<0.61U	<0.60U	<0.65U	<0.55U	<0.55U	<0.63U	<0.53U	<0.53U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Trichloroethene	1,500	<0.82U	<0.80U	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<30U cn	<38U cn	<38U cn	<41U cn	<41U cn
Trichlorofluoromethane	NVL	<1.0U	<1.0U	<1.1U F1	<0.92U	<0.92U	<1.1U	<0.89U	<0.89U	<32U cn	<32U cn	<32U cn	<34U cn	<34U cn
Vinyl Chloride	1,700	<0.82U	<0.80U cn	<0.87U	<0.73U	<0.73U	<0.85U	<0.71U	<0.71U	<40U cn	<51U cn	<51U cn	<55U cn	<55U cn
Xylenes	250,000	<0.72U	<0.70U	<0.76U	<0.64U	<0.64U	<0.74U	<0.62U	<0.62U	<69U cn	<69U cn	<69U cn	<76U cn	<76U cn

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value listed

*EPA Risk-Based Screening Level (November 2023)

J = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCA-S

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	ERM Addtl. Investigation (2025)																
	Parameter	Location ID	SWBN-2	SWBN-2	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	
		Depth (ft)	14-15	19-20	SWBN-2	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3
		Sample ID	SWBN-2-14-15	SWBN-2-19-20	SWBN-3-2-4	SWBN-3-4-5	SWBN-3-9-10	SWBN-3-14-15	SWBN-3-19-20	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25	SWBN-3-20-25
MDE Non-Residential Cleanup Standard	Units	Sample Date	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	
1,1,1-Trichloroethane	ug/kg	<46U cn	<0.75U	<43U cn	<0.86U	<45U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,1,2,2-Tetrachloroethane	3,600,000	ug/kg	<0.75U	<39U cn	<0.86U	<39U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,1,2-Trichloroethane	2,700	ug/kg	<0.75U	<33U cn	<0.76U	<32U cn	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	
1,1-Dichloroethane	630	ug/kg	<0.75U	<33U cn	<0.76U	<32U cn	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	
1,1-Dichloroethane	16,000	ug/kg	<0.75U	<33U cn	<0.76U	<32U cn	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	
1,1-Dichloroethane	100,000	ug/kg	<0.75U	<39U cn	<0.75U	<37U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,2,4-Trichlorobenzene	NVL	ug/kg	<4.7U	<310U cn	<5.4U	<320U cn	<6.2U	<5.8U	<5.8U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	
1,2,4-Trichlorobenzene	64	ug/kg	<0.75U	<66U cn	<0.75U	<65U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,2-Dibromo-3-chloropropane	160	ug/kg	<0.65U	<39U cn	<0.65U	<37U cn	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	
1,2-Dibromochloroethane	930,000	ug/kg	<0.75U	<39U cn	<0.75U	<37U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,2-Dichlorobenzene	2,000	ug/kg	<0.84U	<39U cn	<0.84U	<37U cn	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
1,2-Dichlorobenzene	6,600	ug/kg	<0.56U	<39U cn	<0.56U	<37U cn	<0.75U	<0.72U	<0.69U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	
1,2-Dichloropropane	NVL	ug/kg	<0.75U	<33U cn	<0.75U	<32U cn	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
1,3-Dichlorobenzene	NVL	ug/kg	<0.93U	<31U cn	<0.93U	<32U cn	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
1,4-Dichlorobenzene	11,000	ug/kg	<0.84U	<31U cn	<0.84U	<32U cn	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	<130U cn	5.0J	<120U cn	<0.97U	<2.2U	<2.1U	2.3J	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	
2-Hexanone	NVL	ug/kg	<98U cn	<2.3U	<93U cn	<2.7U	<3.0U	<2.9U	2.3J	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	<98U cn	<2.3U	<93U cn	<2.7U	<3.0U	<2.9U	2.3J	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	
Acetone	67,000,000	ug/kg	<390U cn	42	<370U cn	7.0J	17J	7.4J	20	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	
Benzene	5,100	ug/kg	<33U cn	<0.75U	<31U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Bromodichloromethane (THM)	1,300	ug/kg	<46U cn	<0.65U	<43U cn	<0.76U	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	
Bromochloromethane (THM)	86,000	ug/kg	<330U cn	<4.7U	<310U cn	<5.4U	<6.2U	<5.8U	<5.8U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	<6.1U	
Bromomethane	3,000	ug/kg	<100U cn	<0.93U cn	<99U cn	<1.1U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	<1.2U cn	
Carbon Disulfide	350,000	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Carbon Tetrachloride	2,900	ug/kg	<130U cn	<0.75U	<120U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Chlorobenzene	130,000	ug/kg	<33U cn	<0.84U	<32U cn	<0.97U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
Chloroethane	5,700,000	ug/kg	<98U cn	<0.93U	<37U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Chloroform	1,400	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Chloromethane	46,000	ug/kg	<59U cn	<0.93U	<56U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
cis-1,2-Dichloroethene	230,000	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
cis-1,3-Dichloropropene	NVL	ug/kg	<39U cn	<0.84U	<37U cn	<0.97U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
Cyclohexane	NVL	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Dichlorodifluoromethane	39,000	ug/kg	<39U cn	<0.84U	<37U cn	<0.97U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
Ethylbenzene	NVL	ug/kg	<130U cn	<0.47U	<120U cn	<0.54U	<0.62U	<0.60U	<0.58U	<0.61U	<0.61U	<0.61U	<0.61U	<0.61U	<0.61U	<0.61U	
Ethylbenzene	NVL	ug/kg	<39U cn	<0.93U	<37U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Ethylbenzene	25,000	ug/kg	<26U cn	<0.93U	<25U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Freon 113	NVL	ug/kg	<46U cn	<0.84U	<43U cn	<0.97U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
Freon 113	NVL	ug/kg	<39U cn	<1.4U	<39U cn	<1.6U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	
Cumene (Isopropylbenzene)	990,000	ug/kg	<360U cn	<0.93U	<62U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Methyl Acetate	NVL	ug/kg	360cn	<39U cn	<62U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Methyl tert-butyl ether (MTBE)	210,000	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Methylcyclohexane	NVL	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Methylene Chloride (Dichloromethane)	320,000	ug/kg	<130U cn	<1.9U	<120U cn	<2.2U	<2.5U	<2.4U	<2.3U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	<2.4U	
Styrene	3,500,000	ug/kg	<39U cn	<0.84U	<39U cn	<0.97U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	<1.1U	
Tetrachloroethene	4,700,000	ug/kg	<39U cn	<1.4U	<37U cn	<1.6U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	<1.8U	
Toluene	4,700,000	ug/kg	<39U cn	<0.93U	<37U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
trans-1,2-Dichloroethene	NVL	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
trans-1,3-Dichloropropene	NVL	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Trichloroethene	1,900	ug/kg	<39U cn	<0.56U	<37U cn	<0.65U	<0.75U	<0.72U	<0.69U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	<0.73U	
Trichlorofluoromethane	NVL	ug/kg	<39U cn	<0.75U	<37U cn	<0.86U	<1.0U	<0.96U	<0.92U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	<0.98U	
Vinyl Chloride	1,700	ug/kg	<52U cn	<0.93U	<49U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Phenol	250,000	ug/kg	<52U cn	<0.75U	<49U cn	<1.1U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	<1.2U	
Phenol	250,000	ug/kg	<92U cn	<0.65U	<86U cn	<0.76U	<0.87U	<0.84U	<0.81U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	<0.86U	

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	ERM Phase II ESA (Bauxite 3) 2024														
	Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID											
				Depth (ft)											
				Sample ID											
				Sample Date											
B-6 14-15 5/7/2024	B-7 / MW-2 4-5 5/6/2024	B-7 / MW-2 12.5-13.5 5/6/2024	B-8 4-5 5/2/2024	B-8-4-5-G 5/2/2024	B-8-14-15-G 5/2/2024	B-8-14-15-G 5/2/2024	DUP-3 14-15 5/2/2024	B-9 4-5 4/30/2024	B-10 4-5 5/1/2024	DUP-1 4-5 5/1/2024	B-10 4-5 5/1/2024	B-10-11.5-12.5-G 5/1/2024			
1,1,1-Trichloroethane	3,600,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,1,2,2-Tetrachloroethane	2,700	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,1,2-Trichloroethane	630	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,1-Dichloroethane	16,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,1-Dichlorobenzene	100,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,2,4-Trichlorobenzene	NVL	ug/kg	< 570 cn	< 9.9	< 6.6	< 6.9	< 500 cn	< 490	< 490	< 9.5	< 500 cn	< 590 cn	< 270 cn		
1,2-Dibromo-3-chloropropane	64	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,2-Dibromobenzene	160	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,2-Dichlorobenzene	930,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,2-Dichloroethane	2,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,2-Dichloropropane	6,600	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,3-Dichlorobenzene	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
1,3-Dichlorobenzene	11,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	< 570 cn	< 9.9	< 6.6	< 6.9	< 500 cn	< 490	< 490	< 9.5	< 500 cn	< 590 cn	< 270 cn		
2-Hexanone	NVL	ug/kg	< 570 cn	< 9.9	< 6.6	< 6.9	< 500 cn	< 490	< 490	< 9.5	< 500 cn	< 590 cn	< 270 cn		
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	< 570 cn	< 9.9	< 6.6	< 6.9	< 500 cn	< 490	< 490	< 9.5	< 500 cn	< 590 cn	< 270 cn		
Acetone	67,000,000	ug/kg	< 1100 cn	8.6 J	4.5 J	13 J	< 250 cn	< 250	< 250	15 J	< 1200 cn	< 990 cn	< 550 cn		
Benzene	5,100	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Bromodichloromethane (THM)	1,300	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Bromotoluene (THM)	86,000	ug/kg	< 570 cn	< 9.9	< 6.6	< 6.9	< 500 cn	< 490	< 490	< 9.5	< 500 cn	< 590 cn	< 270 cn		
Bromomethane	3,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Carbon Disulfide	350,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Carbon Tetrachloride	2,900	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Chlorobenzene	130,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Chloroethane	5,700,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Chloroform	1,400	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Chloromethane	46,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
dis-1,2-Dichloroethene	230,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
dis-1,3-Dichloropropene	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Cyclohexane	39,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Dibromochloromethane	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Dichlorodifluoromethane	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Ethylbenzene	25,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Freon 113	NVL	ug/kg	< 570 cn	< 9.9	< 6.6	6.9	< 500 cn	< 490	< 490	< 9.5	< 270 cn	< 250 cn	< 270 cn		
Cumene (Isopropylbenzene)	990,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Methyl Acetate	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Methyl tert-butyl ether (MTBE)	210,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 9.5	< 140 cn	< 590 cn	< 140 cn		
Methylcyclohexane	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Methylene Chloride (Dichloromethane)	320,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Nitrobenzene	3,500,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Styrene	4,700,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Tetrachloroethene	39,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Toluene	4,700,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
trans-1,2-Dichloroethene	2,300,000	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
trans-1,3-Dichloropropene	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Trichloroethene	1,900	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Trichlorofluoromethane	NVL	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Vinyl Chloride	1,700	ug/kg	< 290 cn	< 4.9	< 3.3	< 3.4	< 250 cn	< 250	< 250	< 4.7	< 250 cn	< 300 cn	< 140 cn		
Xylenes	250,000	ug/kg	< 290 cn	< 9.9	< 6.6	< 6.9	< 250 cn	< 250	< 250	< 9.5	< 250 cn	< 300 cn	< 140 cn		

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value listed

*EPA Risk-Based Screening Level (November 2023)

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS and/or MSD recovery exceeds control limits

F3 = MS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCP-S

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	ERM Phase II ESA (Bauxite 3) 2024																			
	Parameter	Units	Location ID		B-11		B-12		B-12		B-13		B-13		B-14		B-15/MW-5		B-16	
			Depth (ft)	Sample Date	B-11-4-5	B-11-14-15	B-12-4-5-G	B-12-11-12-G	B-12-4-5-G	B-13-4-5-G	B-13-14-14-G	B-13-4-5-G	B-14-4-5-G	B-14-11-12-G	B-15-4-5-G	B-15-14-15-G	B-16-4-5-G	B-16-14-15-G	B-16-4-5-G	B-16-14-15-G
MDE Non-Residential Cleanup Standard			5/7/2024	5/7/2024	4/30/2024	4/30/2024	4/30/2024	4/30/2024	5/1/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/6/2024	5/6/2024	5/9/2024	5/9/2024	5/9/2024	5/9/2024
1,1,1-Trichloroethane	3,600,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,1,2,2-Tetrachloroethane	2,700	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 8.3	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,1,2-Trichloroethane	630	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,1-Dichloroethane	15,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,1-Dichloroethene	100,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,2,4-Trichlorobenzene	NVL	ug/kg	< 470	< 8.2 F2	< 7.7	< 3.7	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
1,2-Dibromo-3-chloropropane	64	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,2-Dichloroethane	160	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,2-Dichlorobenzene	930,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,2-Dichloropropane	2,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,3-Dichloropropane	6,600	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,3-Dichlorobenzene	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
1,4-Dichlorobenzene	11,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	< 470	< 8.2 F2	< 7.7	2.3 J	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	4.1 J	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
2-Hexanone	NVL	ug/kg	< 470	< 8.2 F2	< 7.7	< 7.5	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	< 8.3	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	< 470	< 8.2 F2 F1	< 7.7	< 7.5	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	< 8.3	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
Acetone	67,000,000	ug/kg	< 940	< 16 F2	< 15	23	< 830 cn	< 390 cn	11 J	8.4 J	< 16	36	< 6.3	< 1000 cn	< 1700 F1 cn	< 1700 F1 cn	< 1700 F1 cn	< 1700 F1 cn	< 1700 F1 cn	< 1700 F1 cn
Benzene	5,100	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Bromodichloromethane (THM)	1,300	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Bromofom (THM)	86,000	ug/kg	< 470	< 8.2 F2	< 7.7	< 7.5	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	< 11	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
Bromomethane	3,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Carbon Disulfide	350,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Carbon Tetrachloride	2,900	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Chlorobenzene	130,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Chloroethane	570,000,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Chloroform	1,400	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Chloromethane	46,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
cis-1,2-Dichloroethene	230,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
cis-1,3-Dichloropropene	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Cyclohexane	39,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Dibromochloromethane	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Dichlorodifluoromethane	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Ethylbenzene	25,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Freon 113	NVL	ug/kg	< 470	< 8.2 F2	< 7.7	< 7.5	< 420 cn	< 190 cn	< 8.3	< 6.9	< 7.8	< 8.3	< 7.5	< 520 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn	< 850 F1 cn
Cumene (Isopropylbenzene)	990,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 3.9 F1	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Methyl Acetate	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Methyl tert-butyl ether (MTBE)	210,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Methylcyclohexane	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Methylene Chloride (Dichloromethane)	320,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Styrene	3,500,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Tetrachloroethene	39,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Toluene	4,700,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
trans-1,2-Dichloroethene	2,300,000	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
trans-1,3-Dichloropropene	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Trichloroethene	1,900	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn
Trichlorofluoromethane	NVL	ug/kg	< 240	< 4.1 F2	< 3.8	< 3.7	< 210 cn	< 97 cn	< 4.1	< 3.5	< 3.9	< 4.2	< 3.7	< 260 cn	< 430 F1 cn	< 430 F1 cn	< 430 F1 cn			

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	ERM Phase II		GTA Site Management Plan 2017																
	Parameter	MDE Non-Residential Cleanup Standard	Units	ESA (Bauxite 3) 2024															
				Location ID	SS-GTA-01	SS-GTA-02	SS-GTA-02	SS-GTA-03	SS-GTA-03	SS-GTA-04	SS-GTA-04	SS-GTA-05	SS-GTA-05	SS-GTA-06					
	1,1,1-Trichloroethane	3,600,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2,2-Tetrachloroethane	2,700	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane	630	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane	16,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethene	100,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2,4-Trichlorobenzene	NVL	ug/kg	< 370 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dibromo-3-chloropropane	64	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dibromoethane	160	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethane	930,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloroethene	2,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,2-Dichloropropane	6,600	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,3-Dichlorobenzene	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,4-Dichlorobenzene	11,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	< 370 cn	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Hexanone	NVL	ug/kg	< 370 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	< 370 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Acetone	67,000,000	ug/kg	< 730 cn	110	140	ND	ND	42	52	38	ND	ND	ND	ND	59	26	ND	
	Benzene	5,100	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromodichloromethane (THM)	1,300	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform (THM)	86,000	ug/kg	< 370 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromomethane	3,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Disulfide	350,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Carbon Tetrachloride	2,900	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	130,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroethane	5,700,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloroform	1,400	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chloromethane	46,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	cis-1,2-Dichloroethene	230,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	dis-1,3-Dichloropropene	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Cyclohexane	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	39,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Dichlorodifluoromethane	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	25,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Freon 113	NVL	ug/kg	< 370 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Cumene (Isopropylbenzene)	990,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methyl Acetate	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methyl tert-butyl ether (MTBE)	210,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylcyclohexane	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Methylene Chloride (Dichloromethane)	320,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Styrene	3,500,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethene	39,000	ug/kg	< 180 cn	ND	ND	ND	ND	61	60	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	4,700,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,2-Dichloroethene	2,300,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	trans-1,3-Dichloropropene	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethene	1,900	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichlorofluoromethane	NVL	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Vinyl Chloride	1,700	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Xylenes	250,000	ug/kg	< 180 cn	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value Listed

*EPA Risk-Based Screening Level (November 2023)

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = SS and/or MSD recovery exceeds control limits

F3 = SS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCA-S

Table 1
Soil Data - TCL VOCs
Bauxite III Data
Frederick, MD

Source	GTA Site Management Plan 2017									
	Location ID	SS-GTA-06	SS-GTA-07	SS-GTA-07	SS-GTA-07	SS-GTA-08	SS-GTA-08	SS-GTA-08	SS-GTA-08	SS-GTA-08
	Depth (ft)	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5
	Sample ID	SS-GTA-06	SS-GTA-07	SS-GTA-07	SS-GTA-07	SS-GTA-08	SS-GTA-08	SS-GTA-08	SS-GTA-08	SS-GTA-08
Sample Date	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
Parameter	MDE Non-Residential Cleanup Standard	Units								
1,1,1-Trichloroethane	3,600,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2,700	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	630	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	15,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	64	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	160	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene	930,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	6,600	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	11,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	14,000,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	67,000,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	28
Benzene	5,100	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	1,300	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (THM)	86,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	3,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	350,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	12,500	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	130,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	57,000,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1,400	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	46,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	230,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
dis-1,2-Dichloropropene	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	39,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	25,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Cumene (Isopropylbenzene)	990,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	210,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride (Dichloromethane)	320,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	3,500,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	35,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Toluenes	4,700,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2,300,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1,500	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NVL	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1,700	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	250,000	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

Exceeds MDE Non-Residential Soil Cleanup Standard

NVL = No Value Listed

*EPA Risk-Based Screening Level (November 2023)

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS and/or MSD recovery exceeds control limits

F3 = MS and/or MSD recovery exceeds control limits

** - DCA-S samples were mislabeled in report 1208531 as DCA-S

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Source		ERM Addtl. Investigation (2025)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Location ID	Depth (ft)	CC-1		CC-1		CC-1		CC-2		CC-2		CC-2		CC-3		CC-3		CC-3		CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3

Notes:
* Results reported in Site Management Plan dated June 5, 2017.
Sample collection data not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

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Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)													
		Location ID		SWBN-1		SWBN-1		SWBN-1		SWBN-2		SWBN-2		SWBN-3	
		Depth (ft)	0-2	2-5	5-10	10-15	15-20	0-2	2-5	5-10	10-15	15-20	0-2	2-5	5-10
Sample ID		Sample Date	SWBN-1-0-2	SWBN-1-2-5	SWBN-1-5-10	SWBN-1-10-15	SWBN-1-15-20	SWBN-2-0-2	SWBN-2-2-5	SWBN-2-5-10	SWBN-2-10-15	SWBN-2-15-20	SWBN-3-0-2	SWBN-3-2-5	SWBN-3-5-10
Units															
MDE Non-Residential															
Cleanup Standard															
Parameter	Units														
Acenaphthene	ug/kg	360	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	19 J	<4.1 U	<4.1 U	<4.2 U	<3.6 U	5.6	<4.3 U	<4.1 U
Acenaphthylene	ug/kg	13 J	<5.0 U	<5.2 U	<5.2 U	<5.2 U	<4.6 U	<5.0 U	<4.9 U	<5.0 U	<5.1 U	<4.3 U	<4.9 U	<5.2 U	<4.9 U
Anthracene	ug/kg	930	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	46	<4.1 U	<4.1 U	<4.2 U	<3.6 U	5.0 J	<4.3 U	<4.1 U
Benzo[a]anthracene*	ug/kg	4,200	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	430	<4.1 U	<4.1 U	<4.2 U	<3.6 U	26	<4.3 U	<4.1 U
Benzo[a]pyrene*	ug/kg	21,000	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	560	<4.1 U	<4.1 U	9.8 J	<3.6 U	39	6.2 J	<4.1 U
Benzo[b]fluoranthene*	ug/kg	5,600	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	500	<4.1 U	<4.1 U	<4.2 U	<3.6 U	40	6.4 J	<4.1 U
Benzo[k]fluoranthene*	ug/kg	1,800	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	240	<4.1 U	<4.1 U	<4.2 U	<3.6 U	21	<4.3 U	<4.1 U
Benzo[e]pyrene*	ug/kg	1,800	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	240	<4.1 U	<4.1 U	<4.2 U	<3.6 U	19 J	<4.3 U	<4.1 U
Chrysene*	ug/kg	4,600	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	430	<4.1 U	<4.1 U	14 J	<3.6 U	27	4.8 J	<4.1 U
Dibenz[a,h]anthracene*	ug/kg	880	<8.4 U	<8.7 U	<8.7 U	<8.7 U	<7.9 U	110	<8.2 U	<8.3 U	<8.4 U	<7.2 U	<8.1 U	<8.6 U	<8.2 U
Fluoranthene	ug/kg	7,600	<4.2 U	<4.3 U	<4.3 U	<4.3 U	4.9 J	570	<4.1 U	7.6 J	14 J	<3.6 U	43	7.0 J	<4.1 U
Fluorene	ug/kg	220	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	8.8 J	<4.1 U	<4.1 U	<4.2 U	<3.6 U	<4.0 U	<4.3 U	<4.1 U
Indeno[1,2,3-cd]pyrene*	ug/kg	3,100	<5.0 U	<5.2 U	<5.2 U	<5.2 U	<4.6 U	80 J	<4.9 U	<5.0 U	10 J	<4.3 U	27	<5.2 U	<4.9 U
Phenanthrene	ug/kg	3,600	<5.2 U	<5.3 U	<5.3 U	<5.3 U	<4.6 U	<4.9 U	<4.9 U	<5.0 U	23	<4.3 U	<5.1 U	<5.2 U	<4.9 U
Pyrene	ug/kg	6,100	<4.2 U	<4.3 U	<4.3 U	<4.3 U	<3.9 U	500	<4.1 U	8.0 J	14 J	<3.6 U	38	6.0 J	<4.1 U

Notes:
 * - Results reported in Site Management Plan dated June 5, 2017.
 Sample collection date not reported.

B - Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

NA = Sample not submitted for specified

< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits.

ND - Parameter not detected (detection limit not reported)

on = see case narrative

U - Indicates the analyte was analyzed for but not detected.

J - LCS and/or LCS is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Addtl. Investigation (2025)														
Source														
Location ID	SWBN-3	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-2	SWBS-2	SWBS-3
Depth (ft)	15-20	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	15-20	15-20	SWBS-3
Sample ID	SWBN-3-15-20	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-1-0-2	SWBS-2-15-20	SWBS-2-15-20	SWBS-3-2-5
Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
Parameter	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units
MDE Non-Residential														
Cleanup Standard														
Acenaphthene	<4.1 U	13.1 +/- cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<4.6 U	<4.6 U
Acenaphthylene	<4.9 U	<4.9 cn	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.9 U	<4.7 U	<4.7 U	<4.9 U
Anthracene	<4.1 U	25 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Benzo[a]anthracene*	<4.1 U	190 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Benzo[a]pyrene*	<4.1 U	240 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Benzo[b]fluoranthene*	<4.1 U	240 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Benzo[k]fluoranthene*	<4.1 U	240 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Benzo[e]pyrene*	<4.1 U	240 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Chrysene*	<4.1 U	120 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Dibenz[a,h]anthracene*	<4.1 U	230 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Fluorene	<4.1 U	56 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Fluoranthene	<4.1 U	230 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Indeno[1,2,3-cd]pyrene*	<4.1 U	180 cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Phenanthrene	<4.1 U	86 B cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U
Pyrene	<4.1 U	230 B cn	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<3.9 U	<3.9 U	<4.6 U

Notes:
Results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

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Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Addtl. Investigation (2025)																
Source																
Parameter	Location ID		Depth (ft)		SWBS-3		SWBS-3		SWBS-3		SWBS-3		SWBS-3		SWBS-3	
	DUP-3		2-5		5-10		10-15		15-18		17-18		RB-16A		RB-16B	
	Sample ID		Sample Date		2/12/2025		2/12/2025		2/12/2025		2/12/2025		2/14/2025		2/13/2025	
Units																
MDE Non-Residential																
Cleanup Standard																
Acenaphthene	ug/kg	260 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Acenaphthylene	ug/kg	<4.8 U	<4.8 U	<4.5 U	<4.8 U	<5.1 U	<5.1 U	<5.0 U	<5.0 U	<5.0 U	<5.1 U	<5.1 U	<5.1 U	<5.1 U	<5.1 U	<5.2 U
Anthracene	ug/kg	320	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Benzo[a]anthracene*	ug/kg	1,400 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Benzo[a]pyrene*	ug/kg	2,000 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Benzo[b]fluoranthene*	ug/kg	2,100 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Benzo[k]fluoranthene*	ug/kg	1,400 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Benzo[e]pyrene	ug/kg	930 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Chrysene	ug/kg	1,400 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Dibenz[a,h]anthracene*	ug/kg	340	<8.0 U	<9.1 U	<8.0 U	<8.5 U	<8.5 U	<8.4 U	<8.4 U	<8.4 U	<8.5 U	<8.5 U	<8.5 U	<8.5 U	<8.5 U	<8.7 U
Fluoranthene	ug/kg	2,200 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Fluorene	ug/kg	89	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Indeno[1,2,3-cd]pyrene*	ug/kg	1,200 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Phenanthrene	ug/kg	1,100 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U
Pyrene	ug/kg	2,100 FI	<4.0 U	<4.5 U	<4.0 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.2 U	<4.3 U

Notes:
* Results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)												ERM Phase II ESA (Bauxite 3) 2024					
		Location ID		RB-17C		RB-18A		RB-18B		RB-188		RB-18B-0-2		RB-188-2-4-C		RB-18B-0-2		RB-188-2-4-C	
		Depth (ft)	2-4	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
Parameter	Units	Sample ID	RB-17C-2-4-C	RB-17C-2-4-C	RB-18A-0-2	RB-18A-2-4-C	RB-18B-0-2	RB-18B-2-4-C	RB-188-0-2	RB-188-2-4-C	RB-188-0-2	RB-188-2-4-C	RB-19-0-2-C	RB-19-2-4-C	RB-19-0-2-C	RB-19-2-4-C	RB-20-0-2-C	RB-20-2-4-C	RB-20-2-4-C
		Sample Date	2/14/2025	2/14/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	5/8/2024
MDE Non-Residential																			
Cleanup Standard																			
Acenaphthene	ug/kg		<4.2 U	4.8 J	<5.0 U	<4.3 U	12.3 J	<4.2	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Acenaphthylene	ug/kg		<5.0 U	<5.5 U	<5.0 U	<4.3 U	<4.7 U	<5.0	<5.1 H cn	<4.9 H cn	<4.8 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn
Anthracene	ug/kg		<4.2 U	5.6 J	<4.3 U	<4.3 U	10.3 J	<4.2	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Benzo[a]anthracene*	ug/kg		<4.2 U	32	<4.3 U	<4.3 U	39	5.5 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Benzo[a]pyrene*	ug/kg		<4.2 U	47	<4.3 U	<4.3 U	51	7.8 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Benzo[b]fluoranthene*	ug/kg		<4.2 U	57	<4.3 U	<4.3 U	46	6.2 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Benzo[k]fluoranthene*	ug/kg		<4.2 U	39	<4.3 U	<4.3 U	32	6.2 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Benzo[e]fluoranthene*	ug/kg		<4.2 U	19.1	<4.3 U	<4.3 U	19.3	<4.2	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Chrysene*	ug/kg		<4.2 U	29	<4.3 U	<4.3 U	40	5.6 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Dibenz[a,h]anthracene*	ug/kg		<4.2 U	9.3 J	<4.3 U	<4.3 U	8.5 J	<8.3	<8.4 H cn	<8.1 H cn	<8.1 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn	<8.6 H cn
Fluoranthene	ug/kg		<4.2 U	44	<4.3 U	<4.3 U	62	7.0 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Fluorene	ug/kg		<4.2 U	<4.6 U	<4.3 U	<4.3 U	<3.9 U	<4.2	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn
Indeno[1,2,3-cd]pyrene*	ug/kg		<5.0 U	36	<5.2 U	<5.2 U	31	6.4 J	<5.1 H cn	<4.9 H cn	<4.8 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn
Phenanthrene	ug/kg		<5.0 U	13	<5.2 U	<5.2 U	13	<5.0	<5.1 H cn	<4.9 H cn	<4.8 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn
Pyrene	ug/kg		<4.2 U	16.3	<5.3 U	<5.3 U	31	<5.0	<5.1 H cn	<4.9 H cn	<4.8 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn	<5.2 H cn
	ug/kg			45	<4.3 U	<4.3 U	59	7.6 J	<4.2 H cn	<4.1 H cn	<4.0 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn	<4.3 H cn

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MOA)

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024																
Source																
Parameter	Location ID	B-2	B-3 / MW-1	B-4	B-4	B-4	B-5	B-5	B-5	B-6	B-6	B-6	B-7 / MW-2	B-7 / MW-2	B-7 / MW-2	
	Depth (ft)	5-15	0-1	0-1	1-5	5-14	0-1	1-5	1-5	0-1	1-5	1-5	0-1	0-1	1-5	
	Sample ID	B-2-5-15-C	B-3-0-1-G	B-4-0-1-G	B-4-1-5-C	B-4-5-14-C	B-5-0-1-G	B-5-1-5-C	B-5-5-13-C	B-6-0-1-G	B-6-1-5-C	B-6-5-15-C	B-7-0-1-G	B-7-1-5-C	B-7-1-5-C	
Units																
MDE Non-Residential																
Cleanup Standard																
Acenaphthene	u/g/kg	< 22	< 360	82	< 19	< 24	< 20	4.3 J	< 20	< 190 cn	< 21	< 23	< 190	< 23	< 22	
Acenaphthylene	u/g/kg	< 22	< 360	8.6 J	< 19	< 24	< 20	< 20	< 20	< 190 cn	< 21	< 23	< 190	< 23	< 22	
Anthracene	u/g/kg	< 22	< 360	170	6.2 J	< 24	8.4 J	8.8 J	< 20	120 J cn	< 21	< 23	39 J cn	< 23	< 22	
Benzo[a]anthracene*	u/g/kg	< 22	< 360	950	120	< 24	42	59	< 20	1300 cn	12 J	< 23	360 cn	< 23	15 J	
Benzo[a]pyrene*	u/g/kg	< 22	< 360	83 J	160	< 24	47	82	< 20	1100 cn	15 J	< 23	640 cn	< 23	22	
Benzo[b]fluoranthene*	u/g/kg	< 22	< 360	100 J	270	< 24	74	110	< 20	2800 cn	30 J	< 23	940 cn	< 23	27	
Benzo[k]fluoranthene*	u/g/kg	< 22	< 360	100 J	270	< 24	74	110	< 20	2800 cn	30 J	< 23	940 cn	< 23	27	
Benzo[e]pyrene*	u/g/kg	< 22	< 360	480	85	< 24	25	37	< 20	1100 cn	27 J	< 23	340 cn	< 23	9.3 J	
Chrysene*	u/g/kg	< 22	< 360	87 J	920	170	49	72	< 20	3600 cn	15 J	< 23	500 cn	< 23	19 J	
Dibenz[a,h]anthracene*	u/g/kg	< 22	< 360	240	36	< 24	12 J	19 J	< 20	400 cn	< 21	< 23	180 J cn	< 23	< 22	
Fluoranthene	u/g/kg	< 22	< 360	99 J	1200	110	65	85	< 20	1200 cn	17 J	< 23	430 cn	< 23	24	
Fluorene	u/g/kg	< 22	< 360	37	< 19	< 24	< 20	< 20	< 20	< 190 cn	< 21	< 23	< 190	< 23	< 22	
Indeno[1,2,3-cd]pyrene*	u/g/kg	< 22	< 360	830	100	< 24	38	57	< 20	860 cn	14 J	< 23	500 cn	< 23	18 J	
Phenanthrene	u/g/kg	< 22	< 360	110	119	< 24	< 20	< 20	< 20	< 190 cn	< 21	< 23	< 190	< 23	< 22	
Pyrene	u/g/kg	< 22	< 360	510	22	< 24	30	32	< 20	290 cn	6.6 J	< 23	150 J cn	< 23	8.0 J	
	u/g/kg	5.4 J	130 J	1200	100	< 24	58	80	< 20	1200 cn	16 J	< 23	480 cn	< 23	22	

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024															
		Location ID	B-7/ MW-2	B-8	B-8	B-8	B-8	B-8	B-8	B-9	B-9	B-9	B-9	B-10	B-10	B-10	B-11
Depth (ft)		B-7-5-13.5-C	5-13.5	0-1	1-5	5-15	5-15	5-15	5-15	0-1	0-1	0-1	0-1	1-5	1-5	5-12.5	0-1
Sample ID		B-7-5-13.5-C	5-13.5	0-1	1-5	5-15	5-15	5-15	5-15	B-9-0-1-G	B-9-0-1-G	B-9-0-1-G	B-9-0-1-G	B-10-1-5-C	B-10-1-5-C	B-10-5-12.5	B-11-1-5-C
Sample Date		5/6/2024	5/6/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	4/29/2024	4/30/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024	5/7/2024
Units																	
MDE Non-Residential																	
Parameter																	
Acenaphthene		u/g/kg	< 22	3.7 J	< 190 cn	< 21	< 22	< 22	< 22	< 21	< 21	< 20	< 20	< 22	< 22	< 21	170
Acenaphthylene		u/g/kg	< 22	< 18	< 190 cn	< 21	< 22	< 22	< 22	< 20	< 21	< 20	< 20	< 22	< 22	< 21	6.3 J
Anthracene		u/g/kg	< 22	5.4 J	< 190 cn	< 21	< 22	< 22	< 22	< 32	< 21	< 20	< 20	< 22	< 22	< 21	94
Benzo[a]anthracene*		u/g/kg	< 22	47	160 J cn	< 21	< 22	< 22	< 22	170	< 21	7.6 J FI	< 22	< 22	< 21	< 21	1800
Benz[a]pyrene*		u/g/kg	< 22	62	240 cn	< 21	< 22	< 22	< 22	250	< 21	14 J	< 22	< 22	< 21	< 21	1100
Benzo[b]fluoranthene*		u/g/kg	< 22	93	340 cn	< 21	< 22	< 22	< 22	250	< 21	18 J FI F2	< 22	< 22	< 21	< 21	4400
Benzo[k]fluoranthene*		u/g/kg	< 22	40	160 cn	< 21	< 22	< 22	< 22	250	< 21	7.9 J	< 22	< 22	< 21	< 21	1800
Chrysene*		u/g/kg	< 22	40	96 J cn	< 21	< 22	< 22	< 22	110	< 21	7.9 J	< 22	< 22	< 21	< 21	680
Dibenz[a,h]anthracene*		u/g/kg	< 22	50	220 cn	< 21	< 22	< 22	< 22	210	< 21	15 J FI	< 22	< 22	< 21	< 21	3200
Fluoranthene		u/g/kg	< 22	16 J	< 190 cn	< 21	< 22	< 22	< 22	53	< 21	< 20	< 20	< 22	< 21	< 21	480
Fluorene		u/g/kg	< 22	62	240 cn	< 21	< 22	< 22	< 22	250	< 21	12 J FI	6.8 J	< 22	< 21	< 21	1300
Indeno[1,2,3-cd]pyrene*		u/g/kg	< 22	49	160 J cn	< 21	< 22	< 22	< 22	7.2 J	< 21	< 20	< 20	< 22	< 21	< 22	82
Naphthalene		u/g/kg	< 22	< 18	< 190 cn	< 21	< 22	< 22	< 22	180	< 21	9.4 J	< 22	< 22	< 21	< 21	1200
Phenanthrene		u/g/kg	< 22	< 48	160 cn	< 21	< 22	< 22	< 22	250	< 21	6.6 J	< 22	< 22	< 21	< 21	2200
Pyrene		u/g/kg	< 22	19	110 J cn	< 21	8.9 J	8.9 J	8.9 J	110	< 21	6.6 J	< 22	< 22	< 21	< 21	180
		u/g/kg	< 22	62	230 cn	< 21	12 J	12 J	12 J	240	< 21	13 J	7.4 J	< 22	< 22	< 21	1300

Notes:
* Results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

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Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed
3100

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024																	
Parameter	MDE Non-Residential Cleanup Standard	Location ID	B-11	B-12	B-12	B-12	B-12	B-13	B-13	B-13	B-13	B-14	B-14	B-14	DUP-4	B-14	B-15/ MW-5	B-15/ MW-5	
		Depth (ft)	5-15	0-1	1-5	5-12	5-12	0-1	0-1	1-5	1-5	5-14	0-1	1-5	1-5	5-15	0-1	1-5	
Sample ID	Sample Date	B-11-5-15-C	B-12-0-1-G	B-12-1-5-C	B-12-5-12	B-12-5-12	B-13-0-1-G	B-13-1-5-C	B-13-5-14-C	B-14-0-1-G	B-14-1-5-C	B-14-1-5-C	B-14-5-15-C	B-14-5-15-C	5/10/2024	5/10/2024	5/6/2024	5/6/2024	
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Acenaphthene	4,500,000	< 22 F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	< 21	< 19	< 20	< 19	< 20	< 20	< 19	< 19	30	< 21	
Acenaphthylene	NVL	< 22 F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	< 21	< 19	< 20	< 19	< 20	< 20	< 19	< 20	< 21	< 21	
Anthracene	23,000,000	19 J F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	14 J	< 19	< 20	< 19	< 20	< 20	< 19	6.1 J	46	< 21	
Benz[a]anthracene*	2,100,000	< 22 F1 F2	5.9 J	< 21	< 21	< 21	< 19	< 20	9.9 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	34	< 21	
Benz[a]pyrene*	21,000	< 22 F1 F2	10 J	< 21	< 21	< 21	< 19	< 20	98	< 19	< 20	< 20	< 20	< 20	< 20	< 20	40	< 21	
Benz[b]fluoranthene*	21,000	< 22 F1 F2	21	< 21	< 21	< 21	16 J	< 20	99	< 20	< 20	32	< 19	< 20	< 20	44 J	500	< 21	
Benz[k]fluoranthene*	NVL	< 22 F1 F2	11 J	< 21	< 21	< 21	9.5 J	< 20	63	14 J	< 19	< 19	< 20	< 20	< 20	33	330	< 21	
Benz[e]pyrene*	210,000	< 22 F1 F2	5.3 J	< 21	< 21	< 21	5.7 J	< 20	51	9.2 J	< 19	< 20	< 20	< 20	< 20	17 J	170	< 21	
Chrysene*	2,100,000	< 22 F1 F2	13 J	< 21	< 21	< 21	10 J	< 20	83	18 J	< 19	< 20	< 20	< 20	< 20	34	20	< 21	
Dibenz[a,h]anthracene*	3,000,000	< 22 F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	20 J	< 19	< 20	< 20	< 20	< 20	< 20	10 J	80	< 21	
Fluoranthene	3,000,000	24 F1 F2	8.2 J	< 21	< 21	< 21	10 J	< 20	130	25	< 19	< 20	< 20	< 20	< 20	44	500	< 21	
Fluorene	3,000,000	< 22 F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	7.6 J	< 19	< 20	< 19	< 20	< 20	< 19	11 J	< 21	< 21	
Indeno[1,2,3-cd]pyrene*	21,000	< 22 F1 F2	7 J	< 21	< 21	< 21	10 J	< 20	54	9.4 J	< 19	< 20	< 20	< 20	< 20	25	280	< 21	
Naphthalene	2,100,000	< 22 F1 F2	< 20	< 21	< 21	< 21	< 19	< 20	21	< 19	< 20	< 20	< 20	< 20	< 20	16 J	160	< 21	
Phenanthrene	2,300,000	8.7 J F1 F2	< 20	< 21	< 21	< 21	4.8 J	< 20	12 J	7.1 J	< 19	< 20	< 20	< 20	< 20	< 20	< 21	< 21	
Pyrene	2,300,000	18 J F1 F2	10 J	< 21	< 21	< 21	9.9 J	< 20	120	22	< 19	< 20	< 20	< 20	< 20	48	450	< 21	

Notes:
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Sample collection date not reported.

B = Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed
Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

NA = Sample not submitted for specified

< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND = Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

ND = Parameter not detected (detection limit not reported)

on = see case narrative

u = Indicates the analyte was analyzed for but not detected.

u = LCS and/or LCS is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024																
Source																
Parameter	Location ID	B-16	B-16	B-16	B-16	B-16	B-17	B-17	B-17	B-17	B-18	B-18	B-18	B-19	B-19	B-20
	Depth (ft)	0-1	1-5	5-15	5-15-G	5-15	0-1	0-1	1-5	1-5	0-1	1-5	5-10.5	0-1	1-5	0-1
Sample ID	Sample Date	B-16-0-1-G	B-16-1-5-C	B-16-5-15-C	B-16-5-15-G	B-16-5-15-G	B-17-0-1-B	B-17-1-5-C	B-17-1-5-C	B-17-5-9.5-C	B-18-0-1-G	B-18-1-5-C	B-18-5-10.5-C	B-19-0-1-G	B-19-1-5-C	B-20-0-1-G
Units	Sample Date	5/9/2024	5/9/2024	5/9/2024	5/9/2024	5/9/2024	1/15/2024	5/1/2024	5/1/2024	5/1/2024	4/30/2024	4/30/2024	4/30/2024	5/1/2024	5/1/2024	5/2/2024
MDE Non-Residential																
Cleanup Standard																
Acenaphthene	u/g/kg	11.1	< 20	< 23	< 23	< 21	< 21	< 21	< 21	< 23	180	11.1	< 21	71	330	210
Acenaphthylene	u/g/kg	8.5.1	< 20	< 23	< 23	< 21	< 21	< 21	< 21	< 23	< 20	< 24	< 21	< 19	12.1	8.6.1
Anthracene	u/g/kg	20	7.6.1	< 23	< 23	< 21	< 21	< 21	< 21	< 23	380	25	7.5.1	6.3	370	340
Benz[a]anthracene*	u/g/kg	130	6.6.1	< 23	< 23	4.3.1	< 21	< 21	< 21	< 23	2,100	160	19.1	410	2,500	350
Benz[a]pyrene*	u/g/kg	180	6.6.1	< 23	< 23	6.8.1	< 21	< 21	< 21	< 23	< 21	< 21	20.1	530	3,100	460
Benz[b]fluoranthene*	u/g/kg	250	8.1	< 23	< 23	6.1	< 21	< 21	< 21	< 23	3,400	230	23	390	3,500	520
Benz[k]fluoranthene*	u/g/kg	150	9.1	< 23	< 23	5.1	< 21	< 21	< 21	< 23	2,700	150	23	390	3,500	520
Benz[e]pyrene*	u/g/kg	86	4.8.1	< 23	< 23	< 21	< 21	< 21	< 21	< 23	1,100	910	8.9.1	220	1,300	180
Chrysene*	u/g/kg	160	19.1	< 23	< 23	4.6.1	< 21	< 21	< 21	< 23	2,100	160	20.1	400	2,500	340
Dibenz[a,h]anthracene*	u/g/kg	36	< 20	< 23	< 23	< 21	< 21	< 21	< 21	< 23	550	38	< 21	90	550	500
Fluoranthene	u/g/kg	240	21	< 23	< 23	6.2.1	< 21	< 21	< 21	< 23	3,000	220	50	580	3,500	510
Fluorene	u/g/kg	5.9.1	7.3.1	< 23	< 23	< 21	< 21	< 21	< 21	< 23	79	49.1	< 21	19	93	77
Indeno[1,2,3-cd]pyrene*	u/g/kg	120	7.8.1	< 23	< 23	< 21	< 21	< 21	< 21	< 23	1,900	130	4.3.1	320	1,900	1,700
Benzo[a]fluoranthene*	u/g/kg	130	31	< 23	< 23	< 21	< 21	< 21	< 21	< 23	1,300	85	< 21	230	1,300	200
Phenanthrene	u/g/kg	220	1.7	< 23	< 23	6.7.1	< 21	< 21	< 21	< 23	2,800	210	74	520	3,200	3,100
Pyrene	u/g/kg	220	1.7	< 23	< 23	6.7.1	< 21	< 21	< 21	< 23	2,800	210	74	520	3,200	3,100

Notes:
* - Results reported in Site Management Plan dated June 5, 2017.
B - Sample collection date not reported.

B - Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed
Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

NA = Sample not submitted for specified
Sample not collected (boring refusal)

< = Analyte not detected, value represents method detection limit.
J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.
F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits
ND - Parameter not detected (detection limit not reported)

on = see case narrative
U - Indicates the analyte was analyzed for but not detected.

U - LCS and/or LCS is outside acceptance limits, low biased.
NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024														
Source														
Parameter	Location ID	B-20	B-20	B-21/ MW-7	B-21/ MW-7	B-21/ MW-7	DUP-2	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8
	Depth (ft)	1-5	5-14	0-1	1-5	1-5	1-5	0-1	1-5	1-5	5-15	0-0.5	0-0.5	0-0.5
	Sample ID	B-20-1-5-C	B-20-5-14-C	B-21-0-1-G	B-21-1-5-C	B-21-1-5-C	B-21-1-5-C	B-22-0-1-G	B-22-1-5-C	B-22-1-5-C	B-22-5-15-C	RB-1-20N-0-0.5	RB-1-20N-0-0.5	RB-1-20N-0.5-2
Units														
MDE Non-Residential														
Clean Standard														
Acenaphthene	ug/kg	< 19	< 19	11 J	< 21	< 21	< 23	4.8 J	< 21	< 22	< 22	< 20	< 20	< 19
Acenaphthylene	ug/kg	< 19	< 19	< 19	< 21	< 21	< 23	< 20	< 21	< 22	< 22	5.1 J	< 20	< 19
Anthracene	ug/kg	< 19	< 19	10 J	< 21	< 21	< 23	4.7 J	< 21	< 22	< 22	< 20	< 20	< 19
Benzo[a]anthracene*	ug/kg	< 19	< 19	50	< 21	< 21	< 23	18 J	< 21	< 22	< 22	39	< 20	< 19
Benzo[a]pyrene*	ug/kg	< 19	< 19	70	< 21	< 21	< 23	21	< 21	< 22	< 22	54	< 20	< 19
Benzo[b]fluoranthene*	ug/kg	< 19	< 19	52	< 21	< 21	< 23	21	< 21	< 22	< 22	71	< 20	< 19
Benzo[k]fluoranthene*	ug/kg	< 19	< 19	52	< 21	< 21	< 23	21	< 21	< 22	< 22	71	< 20	< 19
Benzo[e]pyrene*	ug/kg	< 19	< 19	52	< 21	< 21	< 23	21	< 21	< 22	< 22	71	< 20	< 19
Chrysene*	ug/kg	< 19	< 19	29	< 21	< 21	< 23	11 J	< 21	< 22	< 22	29	< 20	< 19
Dibenz[a,h]anthracene*	ug/kg	< 19	< 19	48	< 21	< 21	< 23	19 J	< 21	< 22	< 22	48	< 20	< 19
Fluoranthene	ug/kg	< 19	< 19	13 J	< 20	< 21	< 23	< 20	< 21	< 22	< 22	< 20	< 20	< 19
Fluorene	ug/kg	< 19	< 19	81	< 35	< 21	< 23	33	< 21	< 22	< 22	53	< 20	< 19
Indeno[1,2,3-cd]pyrene*	ug/kg	< 19	< 19	< 19	< 20	< 21	< 23	< 20	< 21	< 22	< 22	< 20	< 20	< 19
Pyrene	ug/kg	< 19	< 19	45	< 20	< 21	< 23	14 J	< 21	< 22	< 22	44	< 20	< 19
Phenanthrene	ug/kg	< 19	< 19	17 J	< 20	< 21	< 23	18 J	< 21	< 22	< 22	15 J	< 20	< 19
Pyrene	ug/kg	< 19	< 19	71	30	< 21	< 23	29	< 21	< 22	< 22	52	< 20	< 19

Notes:
* - Results reported in Site Management Plan dated June 5, 2017.
B - Blank sample collection data not reported.

B - Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil

Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024															
Source		Location													
Parameter	MDE Non-Residential Cleanup Standard	Depth (ft)		RB1-0		RB1-20S		RB2-20N		RB2-0		RB2-20S		RB2-20S	
		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2	
		Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date
Acenaphthene	2,300,000	DUP-5	< 19	RB1-0	21	RB1-20S	15 J	RB2-20N	19 J	RB2-0	210 cn	RB2-20S	< 17	RB2-20S	< 17
Aceaphthylene	NVL	0.5-2	< 19	0.5-2	< 17	0.5-2	< 19	0.5-2	23	0.5-2	< 17	0.5-2	< 17	0.5-2	< 17
Anthracene	23,000,000	0.5-2	< 19	0.5-2	26	0.5-2	18 J	0.5-2	57	0.5-2	710 cn	0.5-2	490	0.5-2	3.8 J
Benz[a]anthracene*	21,000	0.5-2	< 19	0.5-2	610 cn	0.5-2	440	0.5-2	52	0.5-2	3,000 cn	0.5-2	2,000	0.5-2	18
Benz[a]pyrene*	21,000	0.5-2	< 19	0.5-2	620 cn	0.5-2	340	0.5-2	74	0.5-2	3,700 cn	0.5-2	2,000	0.5-2	17
Benz[b]fluoranthene*	21,000	0.5-2	< 19	0.5-2	1100 cn	0.5-2	400	0.5-2	530	0.5-2	5,600 cn	0.5-2	3,100	0.5-2	30
Benz[k]fluoranthene*	210,000	0.5-2	< 19	0.5-2	400	0.5-2	480	0.5-2	400	0.5-2	5,600 cn	0.5-2	3,100	0.5-2	1,100
Benzofluoranthene*	210,000	0.5-2	< 19	0.5-2	400	0.5-2	480	0.5-2	400	0.5-2	5,600 cn	0.5-2	3,100	0.5-2	1,100
Chrysene*	2,100,000	0.5-2	< 19	0.5-2	430 cn	0.5-2	130	0.5-2	260	0.5-2	2,000 cn	0.5-2	1,200	0.5-2	7.6 J
Dibenz[a,h]anthracene*	2,100	0.5-2	< 19	0.5-2	710 cn	0.5-2	240	0.5-2	490	0.5-2	3,500 cn	0.5-2	2,200	0.5-2	25
Fluoranthene	3,000,000	0.5-2	< 19	0.5-2	150 cn	0.5-2	67	0.5-2	110	0.5-2	880 cn	0.5-2	490	0.5-2	< 17
Fluorene	21,000	0.5-2	< 19	0.5-2	810 cn	0.5-2	320	0.5-2	650	0.5-2	4,400 cn	0.5-2	2,700	0.5-2	32
Indeno[1,2,3-cd]pyrene*	21,000	0.5-2	< 19	0.5-2	530 cn	0.5-2	7.7 J	0.5-2	11 J	0.5-2	99 J	0.5-2	46	0.5-2	830
Phenanthrene	2,300,000	0.5-2	< 19	0.5-2	150 cn	0.5-2	85	0.5-2	150	0.5-2	1,100 cn	0.5-2	530	0.5-2	< 17
Pyrene	2,300,000	0.5-2	< 19	0.5-2	600	0.5-2	320	0.5-2	620	0.5-2	4,200 cn	0.5-2	2,400	0.5-2	34

Notes:
A - Results reported in Site Management Plan dated June 5, 2017.
B - Sample collection date not reported.

B - Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)
NA = Sample not submitted for specified

< = Analyte not detected, value represents method detection limit.
J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.
F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits
ND - Parameter not detected (detection limit not reported)

cn = see case narrative
u - Indicates the analyte was analyzed for but not detected.

- : LCS and/or LCS is outside acceptance limits, low biased.
NR = Not analyzed

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024													
Source													
Location ID	R83-20N	R83-20N	R83-20N	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S	R83-20S
Depth (ft)	0-0.5	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2
Sample ID	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5	RB-3-20N-0-0.5
Sample Date	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024
Parameter	Units												
MDE Non-Residential	Units												
Cleanup Standard	Units												
Acenaphthene	5.7 J	6.8 J	2,000 cn	1,200 cn	26	14 J	72	4.8 J	80	< 21	< 21	8.7 J	5.5 J
Aceaphthylene	8.8 J	< 19	480 cn	610 cn	14 J	< 19	5.9 J	< 22	1,200	< 21	< 21	8.7 J	5.5 J
Anthracene	12 J	11 J	2,800 cn	39,000 cn	38	17 J	65	< 22	2,800	< 21	< 21	13 J	8.7 J
Benz[a]anthracene*	94	58	12,000 cn	11,000 cn	290	110	390	19 J	18,000	15 J	15 J	86	86
Benz[a]pyrene*	120	58	15,000 cn	13,000 cn	370	160	560	27	22,000	19 J	19 J	100	100
Benz[b]fluoranthene*	140	58	19,000 cn	16,000 cn	530	280	730	32	29,000	25	25	150	150
Benz[k]fluoranthene*	210	58	29,000 cn	24,000 cn	800	430	1,100	46	49,000	41	41	280	280
Benz[e]pyrene*	210	58	29,000 cn	24,000 cn	800	430	1,100	46	49,000	41	41	280	280
Chrysene*	120	59	12,000 cn	11,000 cn	330	140	450	23	19,000	16 J	16 J	43	43
Dibenz[a,h]anthracene*	32	19	2,600 cn	2,300 cn	75	35	110	< 22	4,400	< 21	< 21	23	23
Fluoranthene	100	86	18,000 cn	16,000 cn	400	130	600	30	23,000	19 J	19 J	140	140
Fluorene	< 18	4.2 J	650 cn	460 cn	10 J	6.9 J	22	< 22	380	< 21	< 21	5.0 J	5.0 J
Indeno[1,2,3-cd]pyrene*	100	43	9,200 cn	8,300 cn	260	110	390	18 J	14,000	13 J	13 J	68	68
Phenanthrene	18	19	2,700 cn	2,400 cn	60	29	99	5.2	3,100	2.5 J	2.5 J	43	43
Phenanthrene	31	51	7,200 cn	5,600 cn	140	65	270	16 J	6,100	7.9 J	7.9 J	56	56
Pyrene	96	74	15,000 cn	13,000 cn	390	120	550	33	21,000	20 J	20 J	130	130

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MOA)

Table 2
Soil Data - PAHS
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024														
Source														
Parameter	MDE Non-Residential Concentration	Units	Location ID											
			RB4-20S		RB5-20N		RB5-0		RB5-20S		RB6-20N		RB6-0	
			0.5-2	5/14/2024	0.5-2	5/14/2024	0.5-2	5/14/2024	0.5-2	5/14/2024	0.5-2	5/14/2024	0.5-2	5/14/2024
Acenaphthene	4,500,000	ug/kg	55	1,300	16 J	1,400	780	47	< 21	1,200	42	2,600	820	
Acenaphthylene	NVL	ug/kg	5.8 J	54	< 22	1,200	610	29	6.6 J	55	13 J	290	47	
Anthracene	23,000,000	ug/kg	84	1,400	18 J	4,400	2,100	110	< 21	1,400	48	3,300	980	
Benz[a]anthracene*	21,000	ug/kg	730	21,000	280	28,000	12,000	900	14 J	17,000	520	20,000	5,100	
Benz[a]pyrene*	21,000	ug/kg	920	21,000	280	33,000	15,000	1,200	20 J	22,000	660	25,000	6,200	
Benz[b]fluoranthene*	21,000	ug/kg	1100	28,000	280	39,000	16,000	1,700	27	25,000	830	28,000	6,400	
Benzofluoranthene*	210,000	ug/kg	710	16,000	180	22,000	11,000	920	21	15,000	530	18,000	3,500	
Benz[k]fluoranthene*	21,000,000	ug/kg	430	8,900	100	17,000	7,800 F1	620	10 J	9,400	260	12,000	2,300	
Chrysene*	2,100,000	ug/kg	780	19,000	200	29,000	14,000	1,100	16 J	19,000	580	20,000	4,500	
Dibenz[a,h]anthracene*	3,000,000	ug/kg	160	4,000	49	5,400	2,600 F1	240	< 21	3,900	130	4,200	880	
Fluoranthene	3,000,000	ug/kg	1100	25,000	270	40,000	19,000 F2	1,200	19 J	27,000	770	30,000	7,700	
Fluorene	21,000	ug/kg	21	450	6.9 J	740	390	22	< 21	430	19 J	820	260	
Indeno[1,2,3-cd]pyrene*	21,000	ug/kg	590	14,000	160	19,000	9,100	770	19 J	13,000	440	15,000	3,200	
Naphthalene	2,300,000	ug/kg	320	7,900	90	13,000	5,800 F2	380	5.8 J	7,600	230	12,000	3,300	
Phenanthrene	2,300,000	ug/kg	1000	22,000	250	37,000	17,000 F1	1,100	18 J	23,000	710	27,000	6,800	

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024												GTA Site Management Plan 2017				
Parameter	MDE Non-Residential	Units	RB6-20S		RB7-20N		RB7-0		RB7-20S		RB-7-0		RB-7-20S		RB-7-0		RB-7-20S	
			Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID	Depth (ft)	Sample ID
			0-0.5	RB6-20S-0-0.5	0-0.5	RB7-20N-0-0.5	0-0.5	RB7-20N-0-0.5	0-0.5	RB7-20S-0-0.5	0-0.5	RB7-20S-0-0.5	0-0.5	RB7-20S-0-0.5	0-0.5	RB7-20S-0-0.5	0-0.5	RB7-20S-0-0.5
				5/14/2024		5/14/2024		5/14/2024		5/14/2024		5/14/2024		5/14/2024		5/14/2024		5/14/2024

Notes:
* - Results reported in Site Management Plan dated June 5, 2017.
B - Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

GTA Site Management Plan 2017																
Source		Location ID														
Depth (ft)		CD-GTA-02	CD-GTA-02	CD-GTA-03	CD-GTA-03	CD-GTA-04	CD-GTA-04	CD-GTA-05	CD-GTA-05	CD-GTA-07	CD-GTA-07	CD-GTA-09	CD-GTA-09	BY-GTA-01	BY-GTA-01	BY-GTA-02
Sample ID		0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1
Sample Date		9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/22/2014
Parameter	MDE Non-Residential Cleanup Standard	Units														
Acenaphthene	1,500,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Acenaphthylene	NVL	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Anthracene	23,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	220	ND	ND	ND	ND	ND
Benzo[a]anthracene*	21,000	980	490	3,300	250	1,800	ND	ND	ND	ND	2,100	ND	ND	ND	ND	ND
Benzo[a]pyrene*	2,100	1,100	460	4,900	340	2,000	ND	ND	ND	ND	2,300	ND	ND	ND	ND	ND
Benzo[b]fluoranthene*	21,000	1,500	420	8,300	390	2,700	ND	ND	ND	ND	3,800	ND	ND	ND	ND	150
Benzo[k]fluoranthene*	21,000	1,500	420	8,300	390	2,700	ND	ND	ND	ND	3,800	ND	ND	ND	ND	150
Benzo[e]pyrene*	210,000	560	240	2,500	ND	ND	ND	ND	ND	ND	1,300	ND	ND	ND	ND	ND
Chrysene*	2,100,000	940	480	3,500	260	1,800	ND	ND	ND	ND	2,300	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene*	2,100	ND	ND	980	ND	ND	ND	ND	ND	ND	500	ND	ND	ND	ND	ND
Fluoranthene	3,000,000	1,400	740	4,800	430	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	3,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene*	21,000	870	320	4,200	320	1,600	ND	ND	ND	ND	200	ND	ND	ND	ND	ND
Phenanthrene	2,300,000	480	320	1,600	ND	1,100	ND	ND	ND	ND	850	ND	ND	ND	ND	ND
Pyrene	2,300,000	1,300	790	6,300	550	2,300	ND	ND	ND	ND	2,500	ND	ND	ND	ND	ND

Notes:
A - Analyte not detected, reporting limit not specified.
B - Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed
Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Sample not submitted for specified
< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit
ND - Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits
F2 = MS/MSD RPD exceeds control limits
ND - Parameter not detected (detection limit not reported)

on = see case narrative
U - Indicates the analyte was analyzed for but not detected.
U - LCS and/or LCS is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source		GTA Site Management Plan 2017															
		Location ID	BY-GTA-02	BY-GTA-03	BY-GTA-03	SW-GTA-01	SW-GTA-02	SW-GTA-02	SW-GTA-02	SW-GTA-03	SW-GTA-03	SW-GTA-04	SW-GTA-04	SW-GTA-05	SW-GTA-05	SW-GTA-06	SW-GTA-06
Depth (ft)	Sample ID	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	4-5
Parameter	Units	9/22/2014	9/22/2014	9/22/2014	10/22/2015	10/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	12/10/2015	12/10/2015	12/10/2015	12/10/2015	12/10/2015	12/10/2015	12/10/2015
MDE Non-Residential		Clean Standard															
Acenaphthene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene*	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
a. Results reported in Site Management Plan dated June 5, 2017.
b. Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Sample not submitted for specified

Sample not collected (boring refusal)

< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

ND - Parameter not detected (detection limit not reported)

cn = see case narrative

u = Indicates the analyte was analyzed for but not detected.

u = LCS and/or LCS is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

GTA Site Management Plan 2017																
Source																
Location ID	SW-GTA-07	SW-GTA-07	SW-GTA-05	RR-GTA-05	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07	RR-GTA-07
Depth (ft)	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5
Sample ID	12/10/2015	12/10/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015
Parameter	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential	MDL Non-Residential
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
A - Results reported in Site Management Plan dated June 5, 2017.
B - Sample collection date not reported.

B - Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil
Cleanup Standard

NA = No value listed
3100

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)
NA

Sample not submitted for specified
Sample not collected (boring refusal)

< = Analyte not detected, value represents method detection limit.
J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.
F1 = MS/MSD RPD exceeds control limits

F2 = MS/MSD RPD exceeds control limits
ND - Parameter not detected (detection limit not reported)

on = see case narrative
U - Indicates the analyte was analyzed for but not detected.

U - LCS and/or LCS is outside acceptance limits, low biased.
NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Parameter	Source		GTA Site Management Plan 2017										GTA Phase II ESA 2022									
	Location ID	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SP-GTA-06	SA1-H	SA2-E	SA4-E	SA4-F	SA4-E	SA4-F	SA4-E	SA4-F	SA4-E	SA4-F
	Depth (ft)	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	1-19	0-1	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15
	Sample ID	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	9/9/2022	9/9/2022	9/9/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022
Units	Sample Date	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	9/9/2022	9/9/2022	9/9/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022
MDE Non-Residential																						
Cleanup Standard																						
Acenaphthene	ug/kg	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	< 10	< 9.9	< 10	< 9.9
Aceaphthylene	ug/kg	NVL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	< 10	< 9.9	< 10	< 9.9
Anthracene	ug/kg	23,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	< 10	< 9.9	< 10	< 9.9
Benz[a]anthracene*	ug/kg	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	< 11	< 11	< 11	< 10	< 500	14	< 13	< 13	< 13
Benz[a]pyrene*	ug/kg	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	< 11	< 11	< 11	< 10	< 500	14	< 13	< 13	< 13
Benz[b]fluoranthene*	ug/kg	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	< 11	< 11	< 11	< 10	< 500	46	< 48	< 48	< 48
Benz[k]fluoranthene*	ug/kg	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	< 11	< 11	< 11	< 10	< 500	46	< 48	< 48	< 48
Benz[e]pyrene*	ug/kg	210,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	< 11	< 11	< 11	< 10	< 500	39	< 49	< 49	< 49
Chrysene*	ug/kg	2,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	< 11	< 11	< 11	< 10	< 500	49	< 16	< 16	< 16
Dibenz[a,h]anthracene*	ug/kg	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	64	< 11	< 11	< 11
Fluorene	ug/kg	3,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	< 11	< 11	< 11	< 10	< 500	48	< 13	< 13	< 13
Fluoranthene	ug/kg	1,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	33	< 9.9	< 9.9	< 9.9
Indeno[1,2,3-cd]pyrene*	ug/kg	1,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	< 11	< 11	< 11	< 10	< 500	46	< 10	< 10	< 10
Phenanthrene	ug/kg	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 8.5	< 11	< 11	< 11	< 10	< 500	33	< 9.9	< 9.9	< 9.9
Pyrene	ug/kg	2,300,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 9.5	< 11	< 11	< 11	< 10	< 500	13	< 9.9	< 9.9	< 9.9

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

3100

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Sample not submitted for specified

< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

ND - Parameter not detected (detection limit not reported)

cn = see case narrative

u = Indicates the analyte was analyzed for but not detected.

- : LCS and/or LCS-D is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source		GTA Phase II ESA 2022																
Location ID	SA4-G	SA4-H	SA4-H	SA4-I	SA4-J	SA4-J	SA4-K	SA4-K	SA4-L	SA4-L	SA4-M	SA4-M	SA4-N	SA4-N	SA4-O	SA4-O		
Depth (ft)	1-15	0-1	1-11	0-1	1-15	0-1	0-1	1-15	0-1	0-1	1-15	0-1	1-15	0-1	1-15	0-1		
Sample ID	9/8/2022																	
Parameter	Units																	
	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022		
MDE Non-Residential																		
Cleanup Standard																		
Acenaphthene	4,500,000	ug/kg	< 11	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	12	< 10	< 11	< 9.4	< 11	< 10	
Acenaphthylene	NVL	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Anthracene	23,000,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	23	< 10	< 11	< 9.4	< 11	< 10
Benz[a]anthracene*	21,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	18	< 10	< 11	< 9.4	< 11	< 10
Benz[a]pyrene*	21,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	15	< 10	< 11	< 9.4	< 11	< 10
Benz[b]fluoranthene*	21,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Benz[k]fluoranthene*	210,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Benz[ghi]perylene*	2,100,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	17	< 10	< 11	< 9.4	< 11	< 10
Chrysene*	2,100,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Dibenz[a,h]anthracene*	3,000,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	69	< 10	< 11	< 9.4	< 11	< 10
Fluorene	3,000,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	19	< 10	< 11	< 9.4	< 11	< 10
Indeno[1,2,3-cd]pyrene*	21,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Naphthalene	2,300,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	< 11	< 10	< 9.4	< 11	< 10	
Phenanthrene	2,300,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	85	< 10	< 11	< 9.4	< 11	< 10
Pyrene	2,300,000	ug/kg	< 11	< 10	< 11	< 8.7	< 11	< 8.7	< 11	< 9.3	< 11	< 8.7	53	< 10	< 11	< 9.4	< 11	< 10

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed
3100

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

Source										Terracon Phase II ESA 2024										
GTA Phase II ESA 2022																				
Location ID	SA4-O	SA7-J	SA7-J	SA7-K	SA7-K	SA10-A	SA10-A	SA10-A	SA10-A	DU1-32	DU1-32	DU1-33	DU1-33	DU1-34						
Depth (ft)	1-15	0-1	1-5	0-1	1-11	0-1	1-11	0-1	1-10	0-2	2-5	0-2	2-5	0-2						
Sample ID	9/8/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024						
Parameter	MDE Non-Residential																			
	Cleanup Standard																			
Acenaphthene	4,500,000	u/g/kg	<10	<10	<11	<9.1	<11	<9.8	<11	NA	<170	NA	<150	NA	NA	<150	NA	NA		
Acenaphthylene	NVL	u/g/kg	<10	<10	<11	<9.1	<11	<9.8	<11	NA	NA	NA	<130	NA	NA	<130	NA	NA		
Anthracene	23,000,000	u/g/kg	<10	<10	<11	<9.1	<11	36	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA		
Benzo[a]anthracene*	2,100,000	u/g/kg	<10	<10	<11	50	30	<9.8	<11	NA	<130	NA	<150	NA	<150	NA	NA	NA		
Benzo[a]pyrene*	21,000	u/g/kg	<10	<10	<11	43	22	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Benzo[b]fluoranthene*	21,000	u/g/kg	<10	<10	<11	40	18	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Benzo[k]fluoranthene*	NVL	u/g/kg	<10	<10	<11	49	14	<9.8	<11	NA	<130	NA	<150	NA	<150	NA	NA	NA		
Benzo[e]pyrene*	210,000	u/g/kg	<10	<10	<11	55	21	<9.8	<11	NA	<170	NA	<120	NA	<120	NA	NA	NA		
Chrysene*	2,100,000	u/g/kg	<10	<10	<11	85	28	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Dibenz[a,h]anthracene*	3,000,000	u/g/kg	<10	<10	<11	12	<11	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Fluoranthene	3,000,000	u/g/kg	<10	<10	<11	48	79	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Fluorene	3,000,000	u/g/kg	<10	<10	<11	<9.1	20	<9.8	<11	NA	NA	NA	<130	NA	<130	NA	NA	NA		
Indeno[1,2,3-cd]pyrene*	21,000	u/g/kg	<10	<10	<11	39	14	<9.8	<11	NA	<170	NA	<150	NA	<150	NA	NA	NA		
Phenanthrene	2,100,000	u/g/kg	<10	<10	<11	<9.1	<11	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		
Pyrene	2,300,000	u/g/kg	<10	<10	<11	48	63	<9.8	<11	NA	<130	NA	<120	NA	<120	NA	NA	NA		

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.

Exceeds MDE Non-Residential Soil Cleanup Standard

NA = No value listed

Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)

NA Sample not submitted for specified

< = Analyte not detected, value represents method detection limit.

J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

ND - Parameter not detected (detection limit not reported)

on = see case narrative

U = Indicates the analyte was analyzed for but not detected.

- : LCS and/or LCSO is outside acceptance limits, low biased.

NR = Not analyzed

Table 2
Soil Data - PAHs
Bauxite III Data
Frederick, MD

		Terracon Phase II ESA 2024											
		Source											
Location ID	DU1-34	DU2-3	DU2-3	DU2-3	DU2-4	DU2-4	DU2-5	DU2-5	DU2-5	DU2-6	DU2-6	DU2-6	DU2-6
Depth (ft)	2-5	0-1	2-10	0-2	2-10	0-2	2-10	0-2	2-10	0-2	2-10	0-2	2-10
Sample ID	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024
Sample Date	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024
Parameter	Units												
MDE Non-Residential Groundwater	Acenaphthene	ug/kg	<160	510	<160	<150	<160	<160	<160	<160	<160	<160	<160
	Acenaphthylene	NVL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	ug/kg	<120	510	<120	<110	<120	<120	<120	<120	<120	<130	<130
	Benzo(a)anthracene*	ug/kg	<120	220	<120	<120	<120	<120	<120	<120	<120	<130	<130
	Benzo(b)fluoranthene*	ug/kg	<120	270	<160	<160	<160	<160	<160	<160	<160	<180	<180
	Benzo(k)fluoranthene*	ug/kg	<120	310	<120	<150	<120	<120	<120	<120	<120	<130	<130
	Benzo(a,h)pyrene	ug/kg	<160	170	<160	<150	<160	<160	<160	<160	<160	<180	<180
	Benzo(b)fluoranthene*	ug/kg	<120	820	<120	<110	<120	<120	<120	<120	<120	<130	<130
	Chrysene	ug/kg	<120	400	<120	<110	<120	<120	<120	<120	<120	<130	<130
	Dibenz(a,h)anthracene*	ug/kg	<120	400	<120	<110	<120	<120	<120	<120	<120	<130	<130
	Fluoranthene	ug/kg	<120	3400	<120	<140	<120	<120	<120	<120	<120	<130	<130
	Fluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene*	ug/kg	<160	2100	<160	<150	<160	<160	<160	<160	<160	<180	<180
	Phenanthrene	ug/kg	<120	1800	<120	<110	<120	<120	<120	<120	<120	<130	<130
	Pyrene	ug/kg	<120	2900	<120	120	<120	<120	<120	<120	<120	<130	<130

Notes:
All results reported in Site Management Plan dated June 5, 2017.
Sample collection date not reported.

B = Compound was found in the blank and sample.
Exceeds MDE Non-Residential Soil Cleanup Standard

3100
NA = No value listed
Carcinogenic chemicals with a Mutagenic Mode of Action (MMA)
NA = Sample not submitted for specified (boring refusal)

< = Analyte not detected, value represents method detection limit.
J = Result is less than the reporting limit, but greater than or equal to the method detection limit

ND - Parameter not detected, reporting limit not specified.
F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits
ND - Parameter not detected (detection limit not reported)

on = see case narrative
U = Indicates the analyte was analyzed for but not detected.

- = LCS and/or LCS is outside acceptance limits, low biased.
NR = Not analyzed

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)															
Location ID		CC-1		CC-1		CC-1		CC-1		CC-1		CC-1		CC-1		CC-1	
Depth (ft)		0.5-2		2-5		5-8		5-10		10-12.3		10-12.3		10-12.3		10-12.3	
Sample ID		CC-1-0.5-2		CC-1-2-5		CC-1-5-8		CC-1-5-10		CC-1-10-12.3		CC-1-10-12.3		CC-1-10-12.3		CC-1-10-12.3	
Sample Date		2/11/2025		2/11/2025		2/11/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025		2/20/2025	
Parameter		MDE Non-Residential Cleanup Standard		Anticipated Typical Concentrations (ATC)		Units											
Antimony		47		0.13 J		mg/kg		0.65		0.38		0.33		0.29 F1		0.13 J	
Arsenic		3.0		3.8		mg/kg		7.2		6.8		7.9		7.4		5.5	
Beryllium		230		1.1		mg/kg		5.4		1.7		2.3		2.3		1.4	
Cadmium		98		0.081 J		mg/kg		0.16		0.23		0.13		0.45		0.061	
Tot Chromium ¹		NVL		32		mg/kg		22		28		29		35		27	
Chromium (VI)		6.3		NA		mg/kg		NA		NA		0.87		0.53 J		0.68	
Copper		4,700		31		mg/kg		31		38		34		26		20	
Lead		800		13 ^2		mg/kg		16 ^2		11 ^2		13		12 F1		18	
Mercury		4.6		0.025 J		mg/kg		0.054 J		<0.025 U		0.055 J		0.036 J		0.075	
Nickel		2,200		33		mg/kg		34		41		47		36		35	
Selenium		580		0.15 J		mg/kg		0.29		0.17 J		0.26 J		0.14 J		0.26 J	
Silver		580		mg/kg		mg/kg		<0.043 U		0.096 J		<0.049 U		0.19		<0.051 U	
Thallium		1.2		0.16		mg/kg		0.25		0.21		0.31		0.28		0.31	
Zinc		35,000		52		mg/kg		52		89		110		83		65	
Fluoride ²		47,000		NA		mg/kg		NA		NA		NA		NA		NA	
Cyanide		15		NA		mg/kg		NA		NA		NA		NA		NA	

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
** = LCS and/or LCSD is outside acceptance limits, high biased.
cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)															
Location ID		CC-3	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-2	SWBN-2	SWBN-2	SWBN-2
Depth (ft)		10-15	0-2	2-5	5-10	10-15	15-20	15-20	15-20	15-20	15-20	15-20	15-20	0-2	2-5	2-5	5-10
Sample ID		DUP-003	SWBN-1-0-2	SWBN-1-2-5	SWBN-1-5-10	SWBN-1-10-15	SWBN-1-15-20	DUP-003	SWBN-2-0-2	SWBN-2-2-5	SWBN-2-5-10	SWBN-2-10-15	SWBN-2-15-20	SWBN-2-0-2	SWBN-2-2-5	SWBN-2-5-10	SWBN-2-10-15
Sample Date		2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units														
Antimony	47	NVL	mg/kg	0.11 J	0.11 J	0.11 J	0.097 J	0.11 J	0.11 J	0.11 J	0.11 J	0.11 J	0.11 J	0.081 J F1	0.17 J	0.22 J	0.35
Arsenic	3.0	NVL	mg/kg	6.7	2.9	4.7	5.8	5.3	4	6.7	2.8	5.3	7.1	2.8	5.3	7.2	7.2
Beryllium	230	NVL	mg/kg	1.4	1	1.5	1.5	0.79 B	1.5	1.4	1.4	1.8	2	1.4	1.8	1.4	1.8
Cadmium	98	NVL	mg/kg	0.047 J	0.2	<0.037 U	0.062 J	0.046 J	0.11 J	0.047 J	0.11 J	0.047 J	0.12	0.097	0.075 J	0.27	0.27
Tot Chromium ¹	NVL	42	mg/kg	46	24	43	26	24	38	46	29	26	28	29	26	39	39
Chromium (VI)	6.3	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	<0.18 U	<0.18 U	0.20 J	<0.18 U	<0.18 U	<1.8 U	<1.8 U
Copper	4,700	NVL	mg/kg	26	22	23	32	28	15	23	17	17	29	17 F1	26	30	30
Lead	800	NVL	mg/kg	17	26	15	15	15	17	17	13	13	13	15	15	33	33
Mercury	4.6	NVL	mg/kg	0.037 J	0.027 J	0.057 J	0.031 J	0.039 J	0.033 J	0.037 J	0.033 J	0.037 J	0.048 J	<0.024 U	0.045 J	0.083	0.083
Nickel	2,200	NVL	mg/kg	34	18	41	42	27	20	34	23	41	31	23	31	34	34
Selenium	580	NVL	mg/kg	0.25 J	0.25 J	0.12 J	0.24 J	0.29 J	<0.12 U	0.15 J	0.38	0.45 J	0.23 J	0.23 J	0.23 J	0.45 J	0.45 J
Silver	580	NVL	mg/kg	<0.11	<0.039 U	<0.037 U	<0.039 U	<0.046 U	<0.048 U	<0.044 J	0.049 J	<0.049 U	<0.041 U	0.049 J	<0.049 U	0.074 J	0.074 J
Thallium	1.2	4.6	mg/kg	0.20	0.22	0.25	0.14	0.14	0.13	0.2	0.35	0.14	0.14	0.35	0.24	0.3	0.3
Zinc	35,000	NVL	mg/kg	60	84	74	76	48	52	60	88	65	78	65	65	120	120
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
NVL = No value listed
¹Analytical results for total chromium are compared to the MDE standard for Cr(VI).
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
** = LCS and/or LCSD is outside acceptance limits, high biased.
cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)														
Location ID		SWBN-2	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBS-1	SWBS-1
Depth (ft)		15-20	0-2	0-2	2-5	2-5	5-10	10-15	15-20	0-2	0-2	0-2	0-2	0-2	5-10	10-15
Sample ID		SWBN-2-15-20	SWBN-3-0-2	SWBN-3-0-2	SWBN-3-2-5	SWBN-3-2-5	SWBN-3-5-10	SWBN-3-10-15	SWBN-3-15-20	SWBS-1-0-2	DUP-1	SWBS-1-2-5	SWBS-1-5-10	SWBS-1-10-15		
Sample Date		2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units													
Antimony	47	0.089 J	0.25 F1 F2	0.22	11	8.8	0.19	0.18 J	0.24	0.18 J	0.12 J	0.12 J	0.21 J	0.22 J		
Arsenic	3.0	4.1	7.4	11	3.9	1.5	1.5	5.9	7.2	6.4	6.3	6.3	8.5	4.5		
Beryllium	230	1.7	2.3	3.9	0.24	0.072 J	0.051 J	1.6	1.3 B	0.87	0.92	0.92	1.8	0.95		
Cadmium	98	0.15	0.15	0.15	0.24	0.072 J	0.051 J	0.24	0.14	0.12	0.051 J	0.11 J	<0.046 U			
Tot Chromium ¹	NVL	46	39	27	37	37	39	49	31	22	20	42	40			
Chromium (VI)	6.3	<0.15 U	<0.18 U	<0.19 U	<0.18 U	<0.19 U	<0.19 U	<0.18 U	<0.18 U	<0.16 U	<0.16 U	<0.17 U	0.19 J			
Copper	4,700	10	34	39	39	31	23	15	18	15	14	27	12			
Lead	800	19	16 F1 F2	17	17	20 F1	16	16	17 F1	15	15	19	15			
Mercury	4.6	0.040 J	0.037 J	0.037 J	0.036 J	0.036 J	0.08	0.045 J	0.053 F1	0.047 U	0.059 J	0.053 J	0.032 J			
Nickel	2,200	29	61 F1	55	24	36	31	32	24	22	19	41	21			
Selenium	550	0.15 J	0.26 J	0.24 J	0.24 J	0.34 J	0.23 J	0.19 J	0.52	0.36 J	0.15 J	0.27 J	0.22 J			
Silver	580	0.058 J	<0.12 J	0.05 J	<0.12	<0.037 U	<0.037 U	0.057 J	0.057 J	<0.043 U	<0.033 U	<0.048 U	<0.047 U			
Thallium	1.2	0.24 J	0.19 F2	0.27 J	0.32	0.32	0.23	0.22	0.28 B	0.17	0.14	0.29	0.24			
Zinc	35,000	110	110 F1	130	81	81	66	94	66	50	33	81	55			
Fluoride ²	47,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI).

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil.

< = Analyte not detected, value represents method detection limit.

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method detection limit.

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F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

^2 = Calibration Blank (LCB and/or CCB) is outside of

acceptable limits.

B = Compound was found in the blank and sample.

*+ = LCS and/or LCSD is outside acceptance limits, high biased.

cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)													
Location ID		SWBS-1	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-3	SWBS-3	SWBS-3	SWBS-3
Depth (ft)		15-18	0-2	2-5	2-5	2-5	5-10	10-15	15-20	0-2	2-5	2-5	2-5	5-10	10-15
Sample ID		SWBS-1-15-18	SWBS-2-0-2	SWBS-2-2-5	SWBS-2-2-5	SWBS-2-5-10	SWBS-2-5-10	SWBS-2-10-15	SWBS-2-15-20	SWBS-3-0-2	SWBS-3-2-5	DUP-3	SWBS-3-5-10	SWBS-3-10-15	
Sample Date		2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units												
Antimony	47	0.22	0.35	0.24	0.24	0.15 J	0.15 J	0.15 J	0.24	0.23	0.28 F1 F2	0.19 J	0.21	0.32	
Arsenic	3.0	5.9	8	7.6	7.6	3.9	4.3	4.3	14	6.4	6.6 F2	6.5	5.3	6.9	
Beryllium	230	1.5	1.6	1.3	1.3	0.73	0.76	0.76	2.1	1.4	1.0 F2	0.93	0.8	1.6	
Cadmium	98	0.089 J	0.095 J	0.12	0.12	<0.035 U	<0.035 U	<0.035 U	0.3	0.73 J	0.061 J F2	0.075 J	<0.042 U	0.27	
Tot Chromium ¹	NVL	35	45	50	50	34	40	40	31	36	46 F2	40	40	30	
Chromium (VI)	6.3	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U	0.20 J	0.20 J	<0.19 U	<0.17 U	<0.17 U	<0.17 U	1.7	1.3	
Copper	4,700	26	28	16	16	11	15	15	49	21	16 F2	17	15	24	
Lead	800	16	17	22	22	13	14	14	18	14	19	19 ^2	14	16	
Mercury	4.6	0.035 J	0.054 J	0.033 J	0.033 J	0.064 J	<0.023 U	0.055 J	0.055 J	0.031 J	0.055 J	0.06	0.11	0.030 J	
Nickel	2,200	48	40	26	26	15	23	23	59	33	27 F2	25	20	26	
Selenium	550	<0.096 U	0.27 J	0.51	0.51	0.26 J	0.23 J	0.23 J	ND	0.26 J	0.48 F2	0.32 J	0.36 J	0.18	
Silver	580	<0.039 U	<0.051 U	0.046 J	0.046 J	<0.036 U	<0.035 U	<0.035 U	ND	<0.046 U	<0.040 U F2	<0.040 U	<0.042 U	ND	
Thallium	1.2	0.20	0.28	0.3	0.3	0.28	0.24	0.24	0.23	0.24	0.28 F2	0.27	0.28	0.2	
Zinc	35,000	84	75	60	60	45	54	54	87	57	63	60	64	96	
Fluoride ²	47,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cyanide	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
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J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
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^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)																									
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units	ERM Addtl. Investigation (2025)																							
				Location ID		SWBS-3		SWBS-3		RB-16A		RB-16A		RB-16A		RB-16B		RB-16B		RB-17A		RB-17A		RB-17B		RB-17C	
				Depth (ft)		15-18		17-18		0-2		0-2		2-4		2-4		0-2		0-2		2-4		2-4		0-2	
				Sample ID		SWBS-3-15-18		SWBS-3-17-18		RB-16A-0-2		RB-16A-2-4-C		RB-16B-0-2		RB-16B-2-4-C		RB-17A-0-2		RB-17A-2-4-C		RB-17B-0-2		RB-17B-2-4-C		RB-17C-0-2	
				Sample Date		2/12/2025		2/12/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025		2/14/2025	
Antimony	47	NVL	mg/kg	0.28	0.15 J	0.2 J	0.14 J	1.7	0.15 J	0.16 J	0.25	0.28	0.25	0.28	0.15 J	0.25	0.25	0.15 J									
Arsenic	3.0	NVL	mg/kg	5.6	6.3	6.2	6.5	6.2	8.5	6.8	5.6	4.7	3.3	4.7	3.3	5.7	5.7	5.7									
Beryllium	230	NVL	mg/kg	1.1	0.92	1.8 ^2	1.6 ^2	1.6 ^2	1.3 ^2	1.4 ^2	1.4 ^2	0.93 ^2	0.56 ^2	0.93 ^2	0.56 ^2	1.3 ^2	1.3 ^2	1.3 ^2									
Cadmium	98	NVL	mg/kg	0.26	0.2	0.10 J	0.1	0.082 J	0.059 J	0.11	0.18	0.15	0.15	0.15	0.15	0.061 J	0.061 J	0.061 J									
Tot Chromium ¹	NVL	42	mg/kg	41	34	30	32	28	48	31	29	24	19	24	19	27	27	27									
Chromium (VI)	6.3	NVL	mg/kg	<0.19 U	<0.18 U	<0.17 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.16 U	0.86	<0.17 U	<0.17 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U									
Copper	4,700	NVL	mg/kg	25	23	28	24	32	22	19	26	15	12	15	12	23	23	23									
Lead	800	NVL	mg/kg	14	11	17	16	17	19	23	23	42	38	15	38	15	15	15									
Mercury	4.6	NVL	mg/kg	0.043 J	<0.025 J	0.060 J	0.043 J	0.054 J	0.097	0.049 J	0.024 J	0.034 J	0.028 J	0.028 J	0.028 J	0.066 J	0.066 J	0.066 J									
Nickel	2,200	NVL	mg/kg	45	36	37	33	36	27	26	29	20	12	20	12	27	27	27									
Selenium	580	NVL	mg/kg	<0.13 J	<0.11 U	0.25 J	0.23 J	0.27 J	0.68	0.38	0.22 J	0.20 J	0.20 J	0.20 J	0.20 J	0.28 J	0.28 J	0.28 J									
Silver	580	NVL	mg/kg	0.12 J	0.13	<0.044 U	<0.039 U	<0.045 U	<0.038 U	0.044 J	<0.045 U	<0.037 U	<0.036 U	<0.037 U	<0.036 U	<0.042 U	<0.042 U	<0.042 U									
Thallium	1.2	NVL	mg/kg	0.14	0.13	0.22	0.21	0.22	0.31	0.24	0.17	0.16	0.068 J	0.16	0.068 J	0.16	0.16	0.16									
Zinc	35,000	NVL	mg/kg	100	74	54	48 J	53	42	54	55	48	37	48	37	49 J	49 J	49 J									
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹Analytical results for total chromium are compared to the MDE standard for Cr(VI).
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
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F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
** = LCS and/or LCSD is outside acceptance limits, high biased.
cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Addtl. Investigation (2025)													ERM Phase II ESA (Bauxite 3) 2024		
Source															
Location ID		RB-17C	RB-18A	RB-18A	RB-18B	RB-18B	RB-18B	RB-19	RB-19	RB-19	RB-20	RB-20	RB-20	RB-20	RB-20
Depth (ft)		2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	2-4
Sample ID		RB-17C-2-4-C	RB-18A-0-2	RB-18A-2-4-C	RB-18B-0-2	RB-18B-2-4-C	RB-18B-2-4-C	RB-19-0-2-C	RB-19-0-2-C	RB-19-2-4-C	RB-20-0-2-C	RB-20-2-4-C	RB-20-2-4-C	RB-20-2-4-C	RB-20-2-4-C
Sample Date		2/14/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units												
Antimony	47	NVL	mg/kg	0.12 J	0.16 J	0.17 J	0.2	0.20 J	0.19 J	NA	0.23	NA	0.0855 J	0.36	0.36
Arsenic	3.0	11	mg/kg	6.5	4.5	7.4	6.5	7.2	8.7	7.1	8.7	7.1	2.3	7.1	7.1
Beryllium	230	NVL	mg/kg	1.0 ^2	1.3	0.89	1	1.3	0.93	NA	1.0	NA	0.32	2.2	2.2
Cadmium	98	NVL	mg/kg	<0.042 U	0.079 J	<0.040 U	0.065 J	0.079 J	0.054 J	NA	<0.035	NA	0.11	0.17	0.17
Tot Chromium ¹	NVL	42	mg/kg	28	36	40	31	33	34	NA	60	NA	12	32	32
Chromium (VI)	6.3	NVL	mg/kg	<0.18 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.44	<0.48	<0.48
Copper	4,700	NVL	mg/kg	22	17	28	21	22	22	NA	25	NA	4.5	20	20
Lead	800	NVL	mg/kg	13	16	19	18	20	20	NA	20	NA	5.9	15	15
Mercury	4.6	NVL	mg/kg	0.089	0.036 J	0.061 J	0.039 J	0.058 J	0.058 J	NA	0.087	NA	<0.062	<0.068	<0.068
Nickel	2,200	NVL	mg/kg	26	26	30	24	27	25	NA	29	NA	7.9	56	56
Selenium	580	NVL	mg/kg	0.31 J	0.27 J	0.39 J	0.27 J	0.38 J	0.56	NA	0.43	NA	<0.41	<0.42	<0.42
Silver	580	NVL	mg/kg	<0.043 U	<0.052 U	<0.041 U	<0.039 U	<0.045 U	<0.042	NA	<0.036	NA	<0.10	<0.11	<0.11
Thallium	1.2	4.6	mg/kg	0.18	0.24	0.25	0.23	0.24	0.27	NA	0.28	NA	0.047 J	0.081 J	0.081 J
Zinc	35,000	NVL	mg/kg	43 J	71	60	54	65	63	NA	66	NA	120	89	89
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	30	3.2	3.2
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.51	<0.59	<0.59

NOTES:	A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.	
	4.6	Exceeds MDE
	7.1	Exceeds Non-Anticipated
CMBG =	Western Maryland Background	
NVL =	No value listed	
1 Analytical results for total chromium are compared to the MDE standard for CRVI. 2 Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil. 3 < = Analyte not detected, value represents method detection limit. 4 J = Result is less than reporting limit but greater than method detection limit.		
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J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
^2 = Calibration Blank (TCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
*+ = LCS and/or LCSID is outside acceptance limits, high biased
cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phae II ESA (Bauxite 3) 2024																
Source		Location ID														
Depth (ft)		B-1	B-2	B-2	B-2	B-2	B-2	B-2	B-2	B-3/ MW-1	B-4	B-4	B-4	B-4	B-5	B-5
Sample ID		5-10.5-C	B-3-0-1-G	B-2-1-5-C	B-2-5-15-C	B-2-5-15-C	B-2-5-15-C	B-2-5-15-C	B-2-5-15-C	B-3-0-1-G Lab	B-4-0-1-G	B-4-1-5-C	B-4-5-14-C	B-5-0-1-G	B-5-1-5-C	B-5-5-13-C
Sample Date		5/8/2024	5/2/2024	5/8/2024	5/8/2024	5/8/2024	5/8/2024	5/8/2024	5/8/2024	5/2/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units													
Antimony	47	0.26	0.19 J	0.13 J F1	0.18 J	0.16 J	0.095	0.12 J	0.19 J	0.21	0.3	0.16 J				
Arsenic	3.0	4.6	5.1	5.4	6.2	5.2	1.8	3	4.5	7	8.6	3.7				
Beryllium	230	1.2	1.5	2.2	1.6	1.4	0.58	0.61	3.6	1.2	1.3	0.63				
Cadmium	98	0.16	0.097	0.15	0.71	0.12	0.066 J	0.16	0.16	0.16	0.17	< 0.11				
Tot Chromium ¹	NVL	32	32	24	17	26	16	20	40	36	36	32				
Chromium (VI)	6.3	< 0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Copper	4,700	25	20	27	61	20	9.9	13	28	21	18	14				
Lead	800	16 ^2	17	15 ^2 F1	13	15	6.9 ^2	14	12	17	36	12				
Mercury	4.6	0.034 J	< 0.067	< 0.070	0.062 J	0.031 J	0.051 J	0.027 J	0.034 J	0.060 J	0.061 J	< 0.067				
Nickel	2,200	55	29	51	64	30	16	17	49	28	35	20				
Selenium	580	< 0.41	0.30 J	0.18 J	< 0.48	0.15 J	0.088 J	0.16 J	< 0.52	0.23 J	0.35 J	0.12 J				
Silver	580	0.052 J	< 0.098	< 0.11	< 0.12	0.036 J	< 0.085	< 0.094	< 0.13	0.043 J	< 0.11	< 0.11				
Thallium	1.2	0.077 J	0.20	0.12	0.18	0.21	0.072 J	0.077	0.15	0.25	0.26	0.18				
Zinc	35,000	96	66	89	84	62	31	41	91	100	84	44				
Fluoride ²	47,000	4.1	27	< 1.2 F1	21	43	33	15	110	25	84	< 1.2				
Cyanide	15	< 0.57	< 0.53	< 0.58	< 0.61	< 0.49	< 0.58 ^+ cn	< 0.052 ^+ cn	< 0.69 ^+ cn	< 0.58 ^+ cn	< 0.60 ^+ cn	< 0.59 ^+ cn				

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
^ = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
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^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
^+ = LCS and/or LCSD is outside acceptance limits, high biased.
cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024															
Location ID		B-6	B-6	B-6	B-6	B-7/ MW-2	B-7/ MW-2	B-7/ MW-2	B-8	B-8	B-8	B-8	DUP-3	B-9	B-9	B-10	
Depth (ft)		0-1	1-5	5-15	5-15	0-1	1-5	5-15	0-1	1-5	5-15	5-15	5-15	0-1	1-5	0-1	
Sample ID		B-6-0-1-G	B-6-1-5-C	B-6-5-15-G	B-6-5-15-G	B-7-0-1-G	B-7-1-5-C	B-7-5-13.5-C	B-8-0-1-G	B-8-0-1-G	B-8-5-15-C	B-8-5-15-C	B-8-5-15-C	B-9-0-1-G	B-9-1-5-C	B-10-0-1-G	
Sample Date		5/7/24	5/7/24	5/7/24	5/7/24	5/6/24	5/6/24	5/6/24	5/2/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	4/29/2024	4/30/2024	5/1/2024	
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units														
Antimony	47	NVL	mg/kg	0.18 J	0.11 J	0.015 J	0.18 J	0.16 J	0.18 J	0.11 J	0.67	0.13 J	0.14 J	0.12 J	0.2	0.14 J	
Arsenic	3.0	NVL	mg/kg	4.7	5.4	7.1	3.8	12	12	3.3	6.7	6.8	7.3	7.0	6.2	5.2	
Beryllium	230	NVL	mg/kg	1.3	2	2.8	0.61	1.3	1.3	1.1	1.3	1.3	1.5	1.4	1.5	0.93	
Cadmium	98	NVL	mg/kg	0.14	0.087 J	0.21	0.16	0.078 J	0.13	0.085	0.84	0.081 J	0.078 J	0.085 J	< 0.10	0.16	
Tot Chromium ¹	NVL	42	mg/kg	23	22	25	16	34	20	24	31	24	28	45	43	26	
Chromium (VI)	6.3	NVL	mg/kg	< 0.52	< 0.51	< 0.61	NA	NA	NA	NA	NA	NA	NA	NA	< 0.52	< 0.52	
Copper	4,700	NVL	mg/kg	17	27	32	14	49	40	37	25	24	32	25	21	14	
Lead	800	NVL	mg/kg	18	16	8.9	11	18	28	10	160	13	15	16	19	11	
Mercury	4.6	NVL	mg/kg	0.033	0.037 J	0.040 J	0.031 J	0.22	0.065 J	0.027 J	0.022 J	0.059 J	0.059 J	0.041 J	0.093	0.078	
Nickel	2,200	NVL	mg/kg	29	55 ^2	71 ^2	22	39	64	30	53	29	37	32	29	23	
Selenium	580	NVL	mg/kg	0.17 J	< 0.12	< 0.11	< 0.19 J	0.30 J	0.20 J	0.15 J	0.42	0.15 J	0.33 J	0.20 J	0.25 J	0.18 J	
Silver	580	NVL	mg/kg	< 0.1	< 0.12	< 0.11	< 0.098	< 0.13	< 0.13	< 0.084	0.031 J	< 0.1	< 0.11	< 0.10	< 0.10	< 0.082	
Thallium	1.2	NVL	mg/kg	0.17	0.17	0.12	0.088 J	0.3	0.27	0.11	0.1	0.17	0.26	0.35	0.24	0.18	
Zinc	35,000	NVL	mg/kg	59	92	160	42	66	84	67	140	50	67	81	64	140	
Fluoride ²	47,000	NVL	mg/kg	53	27	130	29	1.6	< 1.4 F1	26	180	1.8	1.6	86	6.2	22	
Cyanide	15	NVL	mg/kg	0.28 J	< 0.56	< 0.65	0.29 J	0.33 J	< 0.68	< 0.54	< 0.51	< 0.63	< 0.67	< 0.57 F2	< 0.57	< 0.59	

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

< = Analyte not detected, value represents method detection limit.

J = Result is less than reporting limit but greater than

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NA = Sample not submitted for specified method

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method detection limit

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

^2 = Calibration Blank (LCB and/or CCB) is outside of

acceptable limits.

B = Compound was found in the blank and sample.

*+ = LCS and/or LCSD is outside acceptance limits, high biased.

cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024																
Source		Location ID														
Depth (ft)		B-10	DUP-1	B-10	B-11	B-11	B-11	B-11	B-11	B-11	B-11	B-12	B-12	B-12	B-12	B-13
Sample ID		B-10-1-5-C	B-10-1-5-C	B-10-1-5-C	B-10-5-12.5-C	B-11-0-1-G	B-11-1-5-C	B-11-5-15-C	B-12-0-1-G	B-12-0-1-G	B-12-1-5-C	B-12-5-12-C	B-13-0-1-G	B-13-1-5-C	B-13-5-14-C	B-13-5-14-C
Sample Date		5/1/2024	5/1/2024	5/1/2024	5/1/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	4/30/2024	4/30/2024	4/30/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units													
Antimony	47	0.14 J	0.18 J	0.11 J	0.14 J	0.12 J	0.15 J	0.15 J	0.14 J	0.14 J	0.10 J	0.2 J	0.089 J	0.16 J	0.13 J	0.13 J
Arsenic	3.0	10	9.1	5.4	5.5	7	6.2 F2	5.7	5.7	7.0	7.0	11	3.6	6.3	7.4	7.4
Beryllium	230	1.2	1.5	1.8	2.2	1.9	3.3 F2	1.6	1.6	1.5	1.5	1.7	0.82	0.94	1.6	1.6
Cadmium	98	< 0.11	< 0.12	0.080 J	0.63	0.11	0.22 F2	0.061 J	0.061 J	0.068 J	0.068 J	0.08 J	0.69 J	< 0.12	0.15	0.15
Tot Chromium ¹	NVL	42	41	28	35	31	25 F2	31	31	17	17	47	18	26	41	41
Chromium (VI)	6.3	NVL	NA	< 0.53	NA	NA	NA	NA	NA	NA	NA	NA	< 0.48	< 0.55	< 0.52	< 0.52
Copper	4,700	28	27	24	23	24	23 F2	22	22	24	24	28	12	24	27	27
Lead	800	15	21	18	39	16	17 F1 F2	22	22	16	16	18	10	16	16	16
Mercury	4.6	0.11	0.051 J	0.049 J	0.028 J	0.035 J	0.050 J	0.057 J	0.057 J	0.055	0.055	0.087	0.027 J	0.066 J	0.077	0.077
Nickel	2,200	42	32	29	44 ^2	36 ^2	39	32	32	28	28	32	17	26	41	41
Selenium	580	0.25 J	0.26 J	0.014 J	0.25 J	0.25 J	0.11 J F2	0.31 J	0.31 J	0.14 J	0.14 J	0.38 J	0.16 J	0.46 J	0.15	0.15
Silver	NVL	< 0.11	< 0.12	< 0.13	< 0.09	< 0.095	0.085 J F2	< 0.11	< 0.11	< 0.097	< 0.097	< 0.12	< 0.079	< 0.12	< 0.13	< 0.13
Thallium	4.6	0.38	0.38	0.23	0.25	0.2	0.24 F2	0.2	0.2	0.14	0.14	0.25	0.13	0.25	0.31	0.31
Zinc	35,000	77	70	49	170	78	69 F2	70	70	55	55	64	41	54	75	75
Fluoride ²	47,000	< 1.3	< 1.3 F1	16	53	8.6	33 F1	14 F1	14 F1	< 1.3 F1	< 1.3 F1	1.3	33	2	9.9	9.9
Cyanide	15	< 0.65	< 0.59	< 0.63	< 0.61	< 0.59	0.3 J	< 0.57	< 0.57	< 0.63	< 0.63	< 0.62	< 0.52	< 0.58	< 0.61	< 0.61

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

< = Analyte not detected, value represents method detection limit.

J = Result is less than reporting limit but greater than

method detection limit.

NA = Sample not submitted for specified method

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024																					
Location ID		B-14		B-14		DUP-4		B-14		B-15/ MW-5		B-15/ MW-5		B-15/ MW-5		B-16		B-16		B-16		B-17	
Depth (ft)		0-1		1-5		1-5		1-5		5-15		0-1		1-5		5-15		0-1		1-5		5-15	
Sample ID		B-14-0-1-G		B-14-1-5-C		Dup 4		B-14-5-15-C		B-15-0-1-G		B-15-1-5-C		B-15-5-15-C		B-16-0-1-G		B-16-1-5-C		B-16-5-15-G		B-17-4-5-C	
Sample Date		5/10/24		5/10/24		5/10/24		5/10/24		5/6/24		5/6/24		5/6/24		5/9/24		5/9/24		5/9/24		5/1/24	
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)		Units																			
Antimony	47	NVL	mg/kg	0.13 J	0.24	< 0.21	0.19 J F2	0.16 J	0.13 J	0.20 J	0.25	0.32	0.19 J	< 0.25	0.19 J	< 0.25	0.19 J	< 0.25	0.19 J	< 0.25	0.19 J	< 0.25	0.11 J
Arsenic	3.0	11	mg/kg	2.7	5.4	1.9	13 F2 F1	6	5.8	8.2	6.5	8.8	6.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	
Beryllium	230	NVL	mg/kg	0.46	0.39	0.069 J	2.4 F1	1.2	1.1	2.5	1.3 B	1.3 B	1.4 B	3.7	4.4	3.7	4.4	3.7	4.4	3.7	4.4	3.7	
Cadmium	98	NVL	mg/kg	0.039 J	< 0.11	< 0.10	0.20	0.12	0.13	0.11	0.12	0.12	0.89	0.13	0.28	0.13	0.28	0.13	0.28	0.13	0.28	0.13	
Tot Chromium ¹	NVL	42	mg/kg	18	48	17	24 F2	35	25	21	27	36	31	22	40	22	40	22	40	22	40	22	
Chromium (VI)	6.3	NVL	mg/kg	NA	NA	NA	NA	3.6	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	4,700	NVL	mg/kg	6.7	14	1.3	19 F1	17	26	30	15	17	26	15	24	15	24	15	24	15	24	15	
Lead	800	NVL	mg/kg	11	15	4.6	27 F2	20	15	17	21	25	15 F1	9.4	10	15 F1	9.4	10	15 F1	9.4	10	15 F1	
Mercury	4.6	NVL	mg/kg	0.063 J	0.031 J	0.036 J	0.031 J	0.032 J	< 0.068	< 0.077	0.043 J	0.032 J	< 0.08	0.036	0.033 J	< 0.08	0.036	0.033 J	< 0.08	0.036	0.033 J	< 0.08	
Nickel	2,200	NVL	mg/kg	13	14	1.6	28 F1	22	25	37	25	27	47 F1	44	58	27	47 F1	44	58	27	47 F1	44	
Selenium	580	NVL	mg/kg	0.15 J	0.22 J	< 0.41	0.16 J	0.35 J	0.30 J	0.31 J	0.38 J	0.44 J	0.18 J	< 0.5	< 0.50	0.38 J	0.44 J	0.18 J	< 0.5	< 0.50	0.38 J	0.44 J	
Silver	580	NVL	mg/kg	< 0.094	< 0.11	< 0.10	< 0.10	0.056 J	< 0.11	< 0.12	0.059 J	0.046 J	0.056 J	< 0.13	< 0.12	< 0.13	0.056 J	< 0.13	< 0.12	< 0.13	0.056 J	< 0.12	
Thallium	1.2	4.6	mg/kg	0.11	0.24	< 0.10	0.30	0.21	0.17	0.22	0.22	0.3	0.24	0.16	0.12	0.24	0.16	0.12	0.24	0.16	0.12	0.24	
Zinc	35,000	NVL	mg/kg	36	31 J	< 31	58 F1	65	64	79	65	72	96 F1	80	37	96 F1	80	37	96 F1	80	37	96 F1	
Fluoride ²	47,000	NVL	mg/kg	33	1.3	< 1.2	< 1.2 F1	6.6	29	4.6	7.6	6.1	3.4 F1	30	4.8	7.6	6.1	3.4 F1	30	4.8	7.6	6.1	
Cyanide	15	NVL	mg/kg	< 0.57 *+ cn	< 0.58 *+ cn	< 0.59 *+ cn	< 0.57 *+ cn	0.52 J	< 0.54	< 0.63	< 0.54	0.27 J	< 0.68	0.25 J	< 0.61	< 0.63	< 0.54	0.27 J	< 0.68	0.25 J	< 0.61	< 0.61	

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

< = Analyte not detected, value represents method detection limit.

J = Result is less than reporting limit but greater than

method detection limit.

NA = Sample not submitted for specified method

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024																
Source		Location ID														
Depth (ft)		B-17	B-18	B-18	B-18	B-19	B-19	B-19	B-19	B-19	B-20	B-20	B-20	B-20	B-21/MW-7	B-21/ MW-7
Sample ID		B-17-5-9.5-C	B-18-0-1-G	B-18-1-5-C	B-18-5-10.5-C	B-19-0-1-G	B-19-1-5-C	B-19-5-7.5-C	B-20-0-1-G	B-20-1-5-C	B-20-5-14-C	B-21-0-1-G	B-21-1-5-C	B-21-5-15-C		
Sample Date		5/1/24	4/30/24	4/30/24	4/30/24	5/1/24	5/1/24	5/1/24	5/2/24	5/2/24	5/2/24	5/1/24	5/1/24	5/1/24		
Parameter	MDE Non-Residual Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units													
Antimony	47	0.18 J	0.16 J	< 0.28	0.099 J	< 0.17	0.12 J	0.12 J	0.31	< 0.22	0.076 J	0.13 J	0.098 J	0.15 J		
Arsenic	3.0	7.1	6.1	4.6	6.1	2.4	2.7	2.5	6.4	2.7	6.8	5.5	5.4	6.0		
Beryllium	230	1.5	2.5	4.8	3.3	1	0.57	0.62	1.1	0.35	1.1	1.4	1.5	1.9		
Cadmium	98	0.20	0.14	0.31	0.21	0.046 J	0.12	0.12	0.13	< 0.11	0.17	0.063 J	0.054 J	0.14		
Tot Chromium ¹	NVL	29	32	34	37	24	11	27	35	10	30	41	31	25		
Chromium (VI)	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.53		
Copper	4,700	28	18	20	21	43	8.6	9.8	21	6.9	18	22	22	23		
Lead	800	15	16	11	13	6.9	15	8.3	21	4	13	17	12	16		
Mercury	4.6	0.047 J	0.034 J	< 0.084	0.032 J	< 0.07	< 0.063	< 0.64	0.046 J	< 0.065	0.027 J	0.033 J	0.048 J	0.045 J		
Nickel	2,200	45	36	33	39	37	11	16	29	8.8	27	29	28	35		
Selenium	580	< 0.5	0.14 J	< 0.56	< 0.35	0.12 J	0.12 J	0.13 J	0.32 J	< 0.44	< 0.37	0.29 J	0.20 J	0.15 J		
Silver	NVL	0.064 J	< 0.11	< 0.14	< 0.087	< 0.084	< 0.11	< 0.096	< 0.11	< 0.11	0.075 J	< 0.11	< 0.086	< 0.12		
Thallium	1.2	0.23	0.21	0.2	0.15	0.17	0.058 J	0.097	0.26	0.045 J	0.17	0.19	0.21	0.19		
Zinc	35,000	79	76	68	88	80	36	45	66	14 J	48	68	56	76		
Fluoride ²	47,000	11	160	45	0.17	10	8.5	31	32	4.4 F1	12	8.7	6.2	3.3		
Cyanide	15	< 0.67	< 0.58	< 0.70	0.25 J	< 0.53	0.65	< 0.53	< 0.57	< 0.53	< 0.56	< 0.57	< 0.58	< 0.58		

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024														
Source		Location ID												
		DUP-2	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8
Depth (ft)		5-15	0-1	1-5	5-15	5-15	0-0.5	RB1-20N	DUP-5	RB1-0	RB1-0	RB1-0	RB1-20S	RB1-20S
Sample ID		B-21-5-15-C	B-22-0-1-G	B-22-1-5-C	B-22-5-15-C	B-22-5-15-C	RB-1-20N-0-0.5	RB-1-20N-0.5-2	RB-1-20N-0.5-2	RB-1-0-0-0.5	RB-1-0-0-0.5	RB-1-0-0-0.5-2.0	RB-1-20S-0-0.5	RB-1-20S-0.5-2
Sample Date		5/1/24	5/2/24	5/2/24	5/2/24	5/2/24	5/13/24	5/13/24	5/13/24	5/13/24	5/13/24	5/13/24	5/13/24	5/13/24
Parameter	MDE Non-Residual Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units											
Antimony	47	0.14 J	0.11 J	0.15 J	0.13 J	0.23	0.12 J	0.21	< 0.15	0.088 J	0.071 J	0.071 J	0.16 J	0.16 J
Arsenic	3.0	6.4	5.6	8.4	5.8	5.3	4.3	7.5	1.9	6.9	4.3	4.3	5.9	5.9
Beryllium	230	2.7	1.1	1.1	1.3	0.91	0.59	1.3	0.27	0.7	0.49	0.49	1.3	1.3
Cadmium	98	0.28	0.89 J	< 0.10	0.087 J	< 0.097	< 0.091	< 0.10	0.037 J	0.065 J	0.053 J	0.053 J	0.12	0.12
Tot Chromium ¹	NVL	19	28	34	41	38	29	93	10	13	10	10	27	27
Chromium (VI)	6.3	NVL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	4,700	27	22	27	23	19	8.9	17	5.3	7.4	6.1	6.1	17	17
Lead	800	15	16	16	19	17	12	17	4.1	6.8	5.2	5.2	11	11
Mercury	4.6	0.049 J	0.082	0.035 J	0.067 J	0.093	0.040 J	0.082	< 0.065	0.023 J	0.026 J	0.026 J	0.053 J	0.053 J
Nickel	2,200	51	34	31	31	23 ^2	14	22	9.7	15 ^2	11 ^2	11 ^2	29	29
Selenium	580	< 0.52	0.26 J	0.33 J	0.55	0.37 J	0.21 J	0.45	< 0.30	0.091 J	< 0.33	< 0.33	0.16 J	0.16 J
Silver	580	< 0.13	< 0.11	< 0.10	0.052 J	< 0.097	< 0.091	< 0.10	< 0.075	< 0.071	< 0.082	< 0.082	< 0.098	< 0.098
Thallium	1.2	0.16	0.19	0.28	0.32	0.22	0.26	0.23	< 0.075	0.096	0.057 J	0.057 J	0.16	0.16
Zinc	35,000	93	56	57	73	45	37	54	16 J	21	18 J	18 J	52	52
Fluoride ²	47,000	4.2	38	< 1.3	8.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	15	< 0.65	< 0.62	< 0.59	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
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Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024													
Source													

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds MDE

Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

< = Analyte not detected, value represents method detection limit.

J = Result is less than reporting limit but greater than

method detection limit.

NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than

method detection limit

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

^2 = Calibration Blank (LCB and/or CCB) is outside of

acceptable limits.

B = Compound was found in the blank and sample.

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Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024																					
Source																					
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units	Location ID																	
				RB3-0		RB3-20S		RB3-20S		RB4-20N		RB4-0		RB4-20S		RB4-20S					
				Depth (ft)		0-0.5		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2			
				Sample ID		RB-3-0-0-0.5		RB-3-0-0.5-2		RB-3-20S-0-0.5		RB-3-20S-0.5-2		RB-4-20N-0.5-2		RB-4-0-0-0.5		RB-4-20S-0-0.5		RB-4-20S-0.5-2	
				Sample Date		5/13/24		5/13/24		5/13/24		5/13/24		5/13/24		5/13/24		5/13/24		5/14/24	
Antimony	47	NVL	mg/kg	0.65	0.57	< 0.24	0.087 J	0.35	0.35	0.25	0.23										
Arsenic	3.0	11	mg/kg	4.7	3.9	3.2	4.5	8.6	4.4	8.9	6.2	3.4									
Beryllium	230	NVL	mg/kg	0.88	0.99	0.39	0.46	1.3	0.39	1.4	1.3	0.58									
Cadmium	98	NVL	mg/kg	0.65	0.59	< 0.12	0.033 J	0.085 J	0.50	0.088	0.13	0.077 J									
Tot Chromium ¹	NVL	42	mg/kg	36	49	18	20	18	7.2	29	25	15									
Chromium (VI)	6.3	NVL	mg/kg	0.20 J	< 0.17	NA	NA	NA	NA	NA	< 0.84	< 0.16									
Copper	4,700	NVL	mg/kg	49	59	7.3	8.6	29	19	41	14	7.8									
Lead	800	NVL	mg/kg	92	100	8.9	8.3	17	48	16	20	8.1									
Mercury	4.6	NVL	mg/kg	0.030 J	0.031 J	< 0.071	0.036 J	0.12	0.024 J	0.11	0.036 J	< 0.066									
Nickel	2,200	NVL	mg/kg	27	26	12	21	28	18	38	21	19									
Selenium	580	NVL	mg/kg	< 0.45	< 0.39	< 0.47	0.098 J	0.29 J	0.12 J	0.39	0.41 J	0.14 J									
Silver	580	NVL	mg/kg	< 0.11	< 0.098	< 0.12	0.22	< 0.12	< 0.12	< 0.085	0.061 J	< 0.092									
Thallium	1.2	4.6	mg/kg	0.12	0.090 J	0.059 J	0.088	0.24	0.11 J	0.21	0.24	0.097									
Zinc	35,000	NVL	mg/kg	170	190	24 J	26	60	130	66	63	33									
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA									
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA									

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
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Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source												
ERM Phase II ESA (Bauxite 3) 2024												
	Location ID		RB5-20N	RB5-0	RB5-0	DUP-6	RB5-20S	RB5-20S	RB6-20N			
	Depth (ft)		0.5-2	0-0.5	0.5-2	0.5-2	0-0.5	0.5-2	0-0.5			
	Sample ID		RB-5-20N-0-0.5	RB-5-0-0-0.5	RB-5-0-0.5-2	RB-5-0-0.5-2	RB-5-20S-0-0.5	RB-5-20S-0.5-2	RB-6-20N-0-0.5			
	Sample Date		5/14/24	5/14/24	5/14/24	5/14/24	5/14/24	5/14/24	5/14/24			
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units									
Antimony	47	NVL	mg/kg	0.52	0.34	0.43	0.3	0.46	0.33	0.48	3.2	
Arsenic	3.0	11	mg/kg	7.3	7.4	5.5	3.7	5.4	6.5	8.3	12	
Beryllium	230	NVL	mg/kg	1.9	1.3	0.42	0.38	0.65	1.2	1.6	1.5	
Cadmium	98	NVL	mg/kg	0.52	0.12	0.59	0.43	0.55	0.18	0.072 J	0.41	
Tot Chromium ¹	NVL	42	mg/kg	37	39	19	7.6	16	30	26	69	
Chromium (VI)	6.3	NVL	mg/kg	1.0	0.31 J	NA	NA	NA	NA	NA	<0.22	
Copper	4,700	NVL	mg/kg	27	22	22	14	24	17	27	24	
Lead	800	NVL	mg/kg	35	17	37	24	44	23	16	28	
Mercury	4.6	NVL	mg/kg	0.049 J	0.033 J	0.028 J	< 0.070	0.031 J	0.050 J	0.078	0.047 J	
Nickel	2,200	NVL	mg/kg	62	29	34	17	28 ^2	27	33	47	
Selenium	580	NVL	mg/kg	0.22 J	0.35 J	0.11 J	< 0.45 F1 F2	0.14 J	0.35 J	0.36 J	0.31 J	
Silver	580	NVL	mg/kg	< 0.11	< 0.095	< 0.11	< 0.11	< 0.12	0.048 J	< 0.12	< 0.13	
Thallium	1.2	4.6	mg/kg	0.32	0.17	0.087 J	0.089 J	0.14	0.24	0.21	0.32	
Zinc	35,000	NVL	mg/kg	120	60	110	59 F1	100	71	64	110	
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
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F1 = MS and/or MSD recovery exceeds control limits.
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Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024											
Source											
Location ID											
Depth (ft)											
Sample ID											
Sample Date											
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units								
Antimony	47	NVL	mg/kg	0.32	0.42	0.23 J	0.21 J	0.80	0.19 J	0.48	
Arsenic	3.0	11	mg/kg	8.9	4.4	6.6	4.9	5.8	3.1	7.1	
Beryllium	230	NVL	mg/kg	1.5	0.85	1.6	1.5	0.65	0.35	0.41	
Cadmium	98	NVL	mg/kg	0.071 J	0.34	0.19	0.091 J	0.31	0.12	0.43	
Tot Chromium ¹	NVL	42	mg/kg	30	16	31	29	19	9.7	8.2	
Chromium (VI)	6.3	NVL	mg/kg	<0.19	NA	NA	NA	NA	NA	NA	
Copper	4,700	NVL	mg/kg	26	14	27	25	26	11	21	
Lead	800	NVL	mg/kg	18	31	15	14	35	15	30	
Mercury	4.6	NVL	mg/kg	0.067 J	0.027 J	0.042 J	0.041 J	0.032 J	0.031 J	< 0.069	
Nickel	2,200	NVL	mg/kg	37	25 ^2	48 ^2	39 ^2	28 ^2	12 ^2	19	
Selenium	580	NVL	mg/kg	0.35 J	0.12 J	0.16 J	0.21 J	0.13 J	< 0.41	0.14 J	
Silver	580	NVL	mg/kg	< 0.13	< 0.12	< 0.13	< 0.12	< 0.10	< 0.10	< 0.12	
Thallium	1.2	4.6	mg/kg	0.24	0.11 J	0.18	0.19	0.13	0.063 J	0.11 J	
Zinc	35,000	NVL	mg/kg	65	73	92	76	110	49	130	
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

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NA

Sample not submitted for specified method

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024						GTA Site Management Plan 2017											
Location ID		RB7-0		RB7-20S		RB7-20S		RB7-20S		DUP-7									
Depth (ft)		0.5-2		0.5-2		0.0-0.5		0.5-2		0.5-2									
Sample ID		RB-7-0-0.5-2		RB-7-20S-0-0.5		RB-7-20S-0-0.5		RB-7-20S-0.5-2		RB-7-20S-0.5-2									
Sample Date		5/14/24		5/14/24		5/14/24		5/14/24		5/14/24									
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Residential Concentrations (ATC)		Units															
Antimony	47	NVL		mg/kg		0.66	0.44	0.28	0.28 F1 F2										
Arsenic	3.0	11		mg/kg		4.8	7.4	8.3	8.5										
Beryllium	230	NVL		mg/kg		1.1	1.2	1.7	1.9										
Cadmium	98	NVL		mg/kg		0.21	0.28	0.12	0.27										
Tot Chromium ¹	NVL	42		mg/kg		17	28	27	42										
Chromium (VI)	6.3	NVL		mg/kg		NA	NA	NA	NA										
Copper	4,700	NVL		mg/kg		15	21	28	25										
Lead	800	NVL		mg/kg		19	22 F1	21	28										
Mercury	4.6	NVL		mg/kg		0.058 J	0.043 J	0.089	0.045 J										
Nickel	2,200	NVL		mg/kg		21	49 ^2	39 ^2	50										
Selenium	580	NVL		mg/kg		0.15 J	0.29 J	0.30 J	0.30 J										
Silver	580	NVL		mg/kg		< 0.10	< 0.11	< 0.12	0.044 J										
Thallium	1.2	4.6		mg/kg		0.16	0.27	0.29	0.26										
Zinc	35,000	NVL		mg/kg		68	92	83	120 J										
Fluoride ²	47,000	NVL		mg/kg		NA	NA	NA	NA										
Cyanide	15	NVL		mg/kg		NA	NA	NA	NA		93	20	93	20	31	54	90		
						0.11	0.068	0.11	0.068		0.11	0.068	0.11	1.5	0.15	0.082			

NOTES:
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4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).
² Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
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Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		GTA Site Management Plan 2017															
Location ID		SW-GTA-04	SW-GTA-05	SW-GTA-05	SW-GTA-06	SW-GTA-06	SW-GTA-07	SW-GTA-07	PL-GTA-07	PL-GTA-08	PL-GTA-08	PL-GTA-12	PL-GTA-12	PL-GTA-18	PL-GTA-18	PL-GTA-18	PL-GTA-18
Depth (ft)		4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	4-5
Sample ID																	
Sample Date		9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/22/2015	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/29/2015	9/29/2015	9/29/2015
Parameter	MDE Non-Residential Cleanup Standard	Antimony	Arsenic	Beryllium	Cadmium	Tot Chromium ¹	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Fluoride ²	Cyanide
Units	(ATC)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	230	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	98	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	6.3	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	4,700	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	800	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	4.6	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	2,200	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	580	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	580	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	1.2	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	35,000	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	47,000	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL
	15	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL	NVL

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

< = Analyte not detected, value represents method detection limit.

J = Result is less than reporting limit but greater than

method detection limit.

NA = Sample not submitted for specified method

J = Result is less than reporting limit but greater than

method detection limit

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

^2 = Calibration Blank (LCB and/or CCB) is outside of

acceptable limits.

B = Compound was found in the blank and sample.

*+ = LCS and/or LCSD is outside acceptance limits, high biased.

cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		GTA Site Management Plan 2017											
Location ID		SP-GTA-02	SP-GTA-02	SP-GTA-03	SP-GTA-03	SP-GTA-04	SP-GTA-04	SP-GTA-05	SP-GTA-05	SP-GTA-06	SP-GTA-06	SP-GTA-07	SP-GTA-07
Depth (ft)		0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1	4-5
Sample ID													
Sample Date		11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015	11/12/2015
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units										
Antimony	47	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3.0	11	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	230	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	98	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tot Chromium ¹	NVL	42	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (VI)	6.3	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	4,700	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	800	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	4.6	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	2,200	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	580	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	580	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	1.2	4.6	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	35,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride ²	47,000	NVL	mg/kg	160	260	110	36	170	15	160	NA	100	NA
Cyanide	15	NVL	mg/kg	0.11	1.8	0.23	0.068	NA	0.081	0.59	3.8	2	NA

NOTES:

A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the MDE standard for Cr(VI).

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil.

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B = Compound was found in the blank and sample.

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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source Management Plan 2017			GTA Phase II 2022															
Location ID	SP-GTA-07	SA1-F	SA1-F	SA1-H	SA1-H	SA2-E	SA2-E	SA4-E	SA4-E	SA4-F	SA4-F	SA4-G	SA4-G	SA4-H	SA4-H			
Depth (ft)	4-5	0-1	1-17	0-1	1-19	0-1	1-5	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15			
Sample ID																		
Sample Date	11/12/2015	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/9/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022			
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units															
Antimony	47	NA	mg/kg	< 2.1	< 2.2	< 2.5	< 2.9	< 2.9	< 1.9	< 2.5	< 2.3	< 2.1	< 2.3	< 2.3	< 2.3			
Arsenic	3.0	NA	mg/kg	11	4.8	5.6	6.6	7.6	9.6	3.2	6	6.7	4	5.1	4.7			
Beryllium	230	NA	mg/kg	< 0.42	1.3	1.7	1.5	1.5	2.3	1.2	2.4	1.8	1.2	3.9	1.6			
Cadmium	98	NA	mg/kg	< 0.42	< 4.3	< 0.49	< 0.58	< 0.59	< 0.59	< 0.38	< 0.49	< 0.460	< 0.42	< 0.480	< 0.46			
Tot Chromium ¹	NVL	NA	mg/kg	42	33	32	16	29	29	37	29	27	28	30	38			
Chromium (VI)	6.3	NA	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Copper	4,700	NA	mg/kg	NVL	18	20	22	21	31	14	25	28	9.3	12	19			
Lead	800	NA	mg/kg	NVL	4.9	8.5	12	11	19	17	13	16	8.6	9.7	7.4			
Mercury	4.6	NA	mg/kg	NVL	< 0.088	< 0.087	< 0.099	< 0.12	< 0.12	0.077	0.098	< 0.093	< 0.083	< 0.096	< 0.093			
Nickel	2,200	NA	mg/kg	NVL	16	38	40	34	36	34	29	44	36	54	53			
Selenium	580	NA	mg/kg	NVL	< 0.42	< 0.43	< 0.49	< 0.58	< 0.59	< 0.38	< 0.49	< 0.46	< 0.42	< 0.48	< 0.46			
Silver	580	NA	mg/kg	NVL	< 0.42	< 0.43	< 0.49	< 0.58	< 0.59	< 0.38	< 0.49	< 0.46	< 0.42	< 0.48	< 0.46			
Thallium	1.2	NA	mg/kg	4.6	< 0.42	< 0.43	< 0.49	< 0.58	< 0.59	< 0.38	< 0.49	< 0.46	< 0.42	< 0.48	< 0.46			
Zinc	35,000	NA	mg/kg	NVL	41	57	75	50	65	57	71	78	69	75	85			
Fluoride ²	47,000	200	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Cyanide	15	0.79	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

Exceeds MDE

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil.

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acceptable limits.

B = Compound was found in the blank and sample.

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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		GTA Phase II 2022															
Location ID		SA4-H	SA4-H	SA4-I	SA4-I	SA4-J	SA4-J	SA4-K	SA4-K	SA4-L	SA4-L	SA4-M	SA4-M	SA4-N	SA4-N	SA4-N	SA4-N
Depth (ft)		0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15	0-1	1-15
Sample ID																	
Sample Date		9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)															
Units																	
Antimony	47	mg/kg	<2.9	<3.2	<2.1	<2.9	<2.5	<3.2	<2.1	<3.3	<2.9	<2.4	<2.5	<2.9	<2.7	<2.3	<2.3
Arsenic	3.0	mg/kg	6.4	3.3	2.7	9.4	3.1	4.7	2.6	15	6.6	3	1.8	4.8	3.6	8	8
Beryllium	230	mg/kg	2.5	0.74	0.55	2.1	0.63	2	0.56	4.1	1.1	3	<0.49	1.9	1.6	4	4
Cadmium	98	mg/kg	<0.58	<0.63	<0.41	<0.59	<0.51	<0.59	<0.43	<0.66	<0.57	<0.48	<0.49	<0.58	<0.54	<0.47	<0.47
Tot Chromium ¹	NVL	mg/kg	46	30	21	27	18	37	13	36	33	21	8.5	21	25	22	22
Chromium (VI)	6.3	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	4,700	mg/kg	15	7.6	9.3	27	9.1	12	5.9	19	18	14	6.2	13	64	25	25
Lead	800	mg/kg	12	10	5.9	13	9.4	9.5	4	15	17	8.5	3.9	13	12	7.9	7.9
Mercury	4.6	mg/kg	<0.12	<0.13	<0.083	<0.012	<0.10	<0.12	<0.085	<0.13	<0.11	<0.096	<0.099	<0.12	<0.11	<0.093	<0.093
Nickel	2,200	mg/kg	54	40	19	75	17	40	12	89	23	54	8.3	52	40	73	73
Selenium	580	mg/kg	<0.58	<0.63	<0.41	<0.59	<0.51	<0.59	<0.43	<0.66	<0.57	<0.48	<0.49	<0.58	<0.54	<0.47	<0.47
Silver	580	mg/kg	<0.58	<0.63	<0.41	<0.59	<0.51	<0.59	<0.43	<0.66	<0.57	<0.48	<0.49	<0.58	<0.54	<0.47	<0.47
Thallium	1.2	mg/kg	<0.58	<0.63	<0.41	<0.59	<0.51	<0.59	<0.43	<0.66	<0.57	<0.48	<0.49	<0.58	<0.54	<0.47	<0.47
Zinc	35,000	mg/kg	100	67	35	120	54	70	24	170	54	74	85	110	69	120	120
Fluoride ²	47,000	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	15	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

² Soil cleanup standard for fluoride is EPA Region 3

Regional Screening Level for Industrial soil

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acceptable limits.

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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		GTA Phase II 2022										Terracon Phase II 2024							
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units	Location ID	SA4-O	SA4-O	SA7-J	SA7-J	SA7-K	SA7-K	SA7-K	SA10-A	SA10-A	SA10-A	DUI-32	DUI-32	DUI-33	DUI-33	DUI-34
Antimony	47	<3.0	mg/kg	0-1	<2.5	<2.2	<3.1	<2.5	<2.3	<2.6	<2.8	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Arsenic	3.0	6.4	mg/kg	11	5.5	5.5	5.1	4.3	11	6.2	5.4	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Beryllium	230	0.94	mg/kg	NVL	1.9	1.4	0.99	1.00	2.5	1.1	2.3	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Cadmium	98	<0.61	mg/kg	NVL	<0.51	<0.44	<0.62	<0.50	<0.46	<0.52	<0.56	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Tot Chromium ¹	NVL	33	mg/kg	42	30	21	17	21	31	34	17	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Chromium (VI)	6.3	NA	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Copper	4,700	28	mg/kg	NVL	26	31	27	13	25	13	20	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Lead	800	18	mg/kg	NVL	12	7.9	8.3	20	22	17	14	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Mercury	4.6	0.21	mg/kg	NVL	<0.10	<0.087	<0.12	<0.10	<0.093	<0.10	<0.11	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Nickel	2,200	31	mg/kg	NVL	57	30	25	21	44	23	30	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Selenium	580	<0.61	mg/kg	NVL	<0.51	<0.44	<0.62	<0.50	<0.46	0.53	<0.56	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Silver	580	<0.61	mg/kg	NVL	<0.51	<0.44	<0.62	<0.50	<0.46	<0.52	<0.56	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Thallium	1.2	<0.61	mg/kg	4.6	<0.51	<0.44	<0.62	<0.50	<0.46	<0.52	<0.56	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Zinc	35,000	53	mg/kg	NVL	1.10	42	34	71	70	49	54	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Fluoride ²	47,000	NA	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2
Cyanide	15	NA	mg/kg	NVL	NA	NA	NA	NA	NA	NA	NA	1-10	0-1	1-10	0-2	2-5	0-2	2-5	0-2

NOTES:
A = Results reported in Site Management Plan dated June 5, 2017, sample collection date not reported.
4.6 Non-Exceeds MDE
7.1 Exceeds Anticipated
CMBG = Western Maryland Background
NVL = No value listed
¹Analytical results for total chromium are compared to the MDE standard for Cr(VI).
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for Industrial soil.
< = Analyte not detected, value represents method detection limit.
J = Result is less than reporting limit but greater than method detection limit.
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J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits.
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^2 = Calibration Blank (LCB and/or CCB) is outside of acceptable limits.
B = Compound was found in the blank and sample.
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cn = See case narrative

Table 3
Soil Data - Inorganics
Bauxite III Data
Frederick, MD

Source		Terracon Phase II 2024													
Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (ATC)	Units	Location ID		DU2-3		DU2-4		DU2-5		DU2-6		DU2-6	
				Depth (ft)	Sample ID	0-1	2-10	0-2	2-10	0-2	2-10	0-2	2-10		
Sample Date				1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024		
Antimony	47	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic	3.0	11	mg/kg	5.4	7.4	4.3	5.9	8.3	7.2	7.1	7.1	8.7	8.7	8.7	
Beryllium	230	NVL	mg/kg	1.2	1	0.93	0.79	0.74	1	0.89	0.78	0.78	0.78	0.78	
Cadmium	98	NVL	mg/kg	0.44	<0.23	<0.22	<0.25	<0.24	<0.24	<0.24	<0.26	<0.26	<0.26	<0.26	
Tot Chromium ¹	NVL	42	mg/kg	19	29	20	34	46	11	21	21	13	13	13	
Chromium (VI)	6.3	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Copper	4,700	NVL	mg/kg	12	15	7.6	13	18	26	22	28	28	28	28	
Lead	800	NVL	mg/kg	20	13	16	17	16	13	22	15	15	15	15	
Mercury	4.6	NVL	mg/kg	<0.088	<0.082	<0.084	<0.095	<0.082	<0.082	<0.093	<0.103	<0.103	<0.103	<0.103	
Nickel	2,200	NVL	mg/kg	21	14	11	13	16	21	17	19	19	19	19	
Selenium	580	NVL	mg/kg	<2.4	<2.3	<2.2	<2.5	<2.4	<2.4	<2.4	<2.6	<2.6	<2.6	<2.6	
Silver	580	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium	1.2	4.6	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc	35,000	NVL	mg/kg	59	31	30	31	42	48	32	29	29	29	29	
Fluoride ²	47,000	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cyanide	15	NVL	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:

A = Results reported in Site Management Plan dated June

5, 2017, sample collection date not reported.

4.6 Exceeds MDE

Non-

7.1 Exceeds

Anticipated

CMBG = Western Maryland Background

NVL = No value listed

¹ Analytical results for total chromium are compared to the

MDE standard for Cr(VI)

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acceptable limits.

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cn = See case narrative

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)												
Location ID	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-2	CC-2
Depth (ft)	0-2	0.5-2	2-4	2-5	4-5	5-8	7-8	9-10	0-2	0.5-2	0.5-2	0.5-2	0.5-2	2-4
Sample ID	CC-1-0-2	CC-1-0.5-2	CC-1-2-4	CC-1-2-5	CC-1-4-5	CC-1-5-8	CC-1-7-8	CC-1-9-10	CC-2-0-2	CC-2-0.5-2	CC-2-0.5-2	CC-2-0.5-2	CC-2-2-4	CC-2-2-4
Sample Date	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/20/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025
Parameter	MDE Non-Residential Cleanup Standard													
Units														
Aroclor 1016	ug/kg	<6.0	<31	<6.4	<6.6	<7.5	<7.0	<6.7	<7.0	<6.3	<6.4	<6.4	<6.6	<6.6
Aroclor 1221	ug/kg	76	82 J	<6.4	<6.6	<7.5	<7.0	<6.7	<7.0	<6.3	<6.4	<6.4	<6.6	<6.6
Aroclor 1232	ug/kg	<6.0	<31	<6.4	<6.6	<7.5	<7.0	<6.7	<7.0	<6.3	<6.4	<6.4	<6.6	<6.6
Aroclor 1242	ug/kg	<6.0	<31	<6.4	<6.6	<7.5	<7.0	<6.7	<7.0	<6.3	<6.4	<6.4	<6.6	<6.6
Aroclor 1248	ug/kg	210	460	31	41	<7.5	<7.0	<6.7	<7.0	<6.3	<6.4	<6.4	<6.6	<6.6
Aroclor 1254	ug/kg	<7.3	<38	<7.8	<8.0	<9.1	<8.4	<8.1	<8.5	<7.6	<7.7	<7.7	<8.0	<8.0
Aroclor 1260	ug/kg	<7.3	<38	<7.8	<8.0	<9.1	<8.4	<8.1	<8.5	<7.6	<7.7	<7.7	<8.0	<8.0
Total PCBs	ug/kg	286	542	31	41	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH DRO	mg/kg	12 J	13 J	11 J	10 J	< 7.2 U	< 6.6 U	<6.4 U	< 6.6 U	15	19	19	18	18

NOTES:

Exceeds MDE Non-Residential Soil

NVL = No value listed
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TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

NA
Sample not submitted for specified method
Sample not collected (boring refusal)
Sample represents reporting limit.

< = Analyte not detected, value represents reporting limit.
J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and cn = See case narrative 5/1/2024 (410-170307-1) ** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)										
Location ID	Depth (ft)	CC-2	CC-2	CC-2	CC-2	CC-2	CC-2	CC-2	CC-2	CC-2	CC-3	CC-3
Sample ID	Sample Date	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/19/2025	2/19/2025
Parameter	MDE Non-Residential Cleanup Standard	Units	2-5	4-5	5-10	9-10	10-15	14-15	0-2	0.5-2	2-4	2-4
Aroclor 1016	5,100	ug/kg	<6.5	<6.8	<6.9	<6.6	<7.0	<6.8	<33 U	<30U *+	<6.6U *+	<6.6U *+
Aroclor 1221	830	ug/kg	<6.5	<6.8	<6.9	<6.6	<7.0	<6.8	<33 U	<30U	<6.6U	<6.6U
Aroclor 1232	720	ug/kg	<6.5	<6.8	<6.9	<6.6	<7.0	<6.8	<33 U	<30U	<6.6U	<6.6U
Aroclor 1242	950	ug/kg	<6.5	<6.8	<6.9	<6.6	<7.0	<6.8	<33 U	<30U	<6.6U	<6.6U
Aroclor 1248	950	ug/kg	<6.5	<6.8	<6.9	14 J	<7.0	<6.8	600	440	<6.6U	<6.6U
Aroclor 1254	970	ug/kg	<7.8	<8.3	<8.3	<7.9	<8.5	<8.2	<40 U	<36U	<8.0U	<8.0U
Aroclor 1260	990	ug/kg	<7.8	<8.3	<8.3	<7.9	<8.5	<8.2	<40 U	<36U	<8.0U	<8.0U
Total PCBs	940	ug/kg	ND	ND	ND	14	ND	ND	600	440	ND	ND
TPH DRO	620	mg/kg	<6.2	<6.5	<6.5	<6.2	10 J	<6.5	61	64	<6.3	<6.3

NOTES:

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 J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits
 exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and
 cn = See case narrative 5/1/2024 (410-170307-1)
 ** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)										
Location ID	Depth (ft)	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	CC-3	DCA
		4-5	2-5	5-10	9-10	14-15	10-15	10-15	10-15	10-15	10-15	DCA
Sample ID		CC-3-4-5	CC-3-2-5	CC-3-5-10	CC-3-9-10	CC-3-14-15	CC-3-10-15	DUP-003	DCA-0-2	DCA-2-4		
Sample Date		2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/18/2025	2/18/2025	2/18/2025	
Parameter	MDE Non-Residential Cleanup Standard	Units										
Aroclor 1016	5,100	ug/kg										
Aroclor 1221	830	<6.8U *+										
Aroclor 1232	720	<6.7U										
Aroclor 1242	950	<6.8U										
Aroclor 1248		<6.7U										
Aroclor 1254		15 J										
Aroclor 1260	990	<8.2U										
Total PCBs	940	15										
TPH DRO	620	mg/kg										

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	DCA	DCA	DCA	DCA-N	DCA-N	DCA-N	DCA-N	DCA-N	DCA-N	DCA-N	DCA-S**
Depth (ft)	4-5	5-6.75	5-6.75	0-2	2-4	4-5	9-10	11-12.6	0-2	2-4	
Sample ID	DCA-4-5	DCA-5-6.75	DCA-5-6.75	DCA-N-0-2	DCA-N-2-4	DCA-N-4-5	DCA-N-9-10	DCA-N-11-12.6	DCA-S-0-2	DCA-S-2-4	
Sample Date	2/18/2025	2/18/2025	2/18/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/18/2025	2/18/2025	
Parameter	MDE Non-Residential Cleanup Standard										
Units											
Aroclor 1016	ug/kg	<6.5 U	<6.9 U	<60U	<6.7U	<6.9U	<7.2U	<7.0U cn	<7.2U *+	<6.7U *+	
Aroclor 1221	ug/kg	<6.5 U	<6.9 U	<60U	<6.7U	<6.9U	<7.2U	<7.0U cn	<7.2U	<6.7U	
Aroclor 1232	ug/kg	<6.5 U	<6.9 U	<60U	<6.7U	<6.9U	<7.2U	<7.0U cn	<7.2U	<6.7U	
Aroclor 1242	ug/kg	<6.5 U	<6.9 U	<60U	<6.7U	<6.9U	<7.2U	<7.0U cn	<7.2U	<6.7U	
Aroclor 1248	ug/kg	<6.5 U	<6.9 U	920	<6.7U	<6.9U	<7.2U	<7.0U cn	<7.2U	<6.7U	
Aroclor 1254	ug/kg	<7.8 U	<8.3 U	<73U	<8.1U	<8.4U	<8.7U	<8.4U cn	<8.7U	<8.1U	
Aroclor 1260	ug/kg	<7.8 U	<8.3 U	<73U	<8.1U	<8.4U	<8.7U	<8.4U cn	<8.7U	<8.1U	
Total PCBs	ug/kg	ND	ND	920	ND	ND	ND	ND	ND	ND	
TPH DRO	mg/kg	<6.1 U	<6.4 U	<5.6 U	<6.3 U	<6.6 U	<6.8 U	<6.6 U	<6.8	6.5 J	

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** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	Depth (ft)	DCA-S**	DCA-S**	DCA-S**	DCA-W	DCA-W	DCA-W	DCA-W	DCA-W	DCA-W	DCA-W
Sample ID	Sample Date	DCA-S-4-5	DCA-S-9-10	DCA-S-14-15	DCA-W-0-2	DCA-W-2-4	DCA-W-4-5	DCA-W-9-10	DUP-002	DCA-W-14-15	
Parameter	Units	2/18/2025	2/18/2025	2/18/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025
MDE Non-Residential Cleanup Standard											
Aroclor 1016	ug/kg	<7.0U **	<6.7U **	<34U **	<6.4U **	<6.7U **	<6.3U	<330U * + cn	<330U	<320U * +	
Aroclor 1221	ug/kg	<7.0U	<6.7U	<34U	<6.4U	<6.7U	<6.3U	<330U cn	<330U	<320U	
Aroclor 1232	ug/kg	<7.0U	<6.7U	<34U	<6.4U	<6.7U	<6.3U	<330U cn	<330U	<320U	
Aroclor 1242	ug/kg	<7.0U	<6.7U	<34U	<6.4U	<6.7U	<6.3U	<330U cn	<330U	<320U	
Aroclor 1248	ug/kg	<7.0U	11 J	440	<6.4U	<6.7U	<6.3U	11,000 cn	1,200	15,000	
Aroclor 1254	ug/kg	<8.5U	<8.1U	<41U	<7.7U	<8.1U	<7.6U	<400U cn	<400U	<390U	
Aroclor 1260	ug/kg	<8.5U	<8.1U	<41U	<7.7U	<8.1U	<7.6U	<400U cn	<400U	<390U	
Total PCBs	ug/kg	ND	11	440	ND	ND	ND	11,000	1,200	15,000	
TPH DRO	mg/kg	<6.5 U	20	<6.5	< 6.0 U	<6.4 U F1	<5.9	710	940	4,800	

NOTES:

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** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)										
Location ID	DCB	DCB	DCB	DCB	DCB	DCB-N	DCB-N	DCB-N	DCB-N	DCB-N	DCB-N	DCB-N
Depth (ft)	0-2	2-4	4-5	9-10	0-2	2-4	4-5	9-10	0-2	2-4	4-5	9-10
Sample ID	DCB-0-2	DCB-2-4	DCB-4-5	DCB-9-10	DCB-N-0-2	DCB-N-2-4	DCB-N-4-5	DCB-N-9-10	DCB-N-0-2	DCB-N-2-4	DCB-N-4-5	DCB-N-9-10
Sample Date	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025
Parameter	MDE Non-Residential Cleanup Standard											
	Units											
Aroclor 1016	ug/kg	<30U cn	<5.9U cn	<6.1U cn	<31 U	<5.9 U	<6.1 U	<7.0 U	<31 U	<5.9 U	<6.1 U	<7.2 U
Aroclor 1221	ug/kg	<30U cn	<5.9U cn	<6.1U cn	<31 U	<5.9 U	<6.1 U	<7.0 U	<31 U	<5.9 U	<6.1 U	<7.2 U
Aroclor 1232	ug/kg	<30U cn	<5.9U cn	<6.1U cn	<31 U	<5.9 U	<6.1 U	<7.0 U	<31 U	<5.9 U	<6.1 U	<7.2 U
Aroclor 1242	ug/kg	<30U cn	<5.9U cn	<6.1U cn	<31 U	<5.9 U	<6.1 U	<7.0 U	<31 U	<5.9 U	<6.1 U	<7.2 U
Aroclor 1248	ug/kg	190 cn	12.1 cn	260 cn	610	17 J	10 J	<7.0 U	610	17 J	10 J	<7.2 U
Aroclor 1254	ug/kg	<36U cn	<7.2U cn	<7.4U cn	<38 U	7.4 J	<7.4 U	<8.4 U	<38 U	7.4 J	<7.4 U	<8.7 U
Aroclor 1260	ug/kg	<36U cn	<7.2U cn	<7.4U cn	<38 U	<7.1 U	<7.4 U	<8.4 U	<38 U	<7.1 U	<7.4 U	<8.7 U
Total PCBs	ug/kg	190	12	260	610	24.4	10	ND	610	24.4	10	ND
TPH DRO	mg/kg	23	43	69	25	19	39	<6.6 U	25	19	39	<6.8 U

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 exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and
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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	Depth (ft)	DCB-S	DCB-S	DCB-S	DCB-S	DCB-S	DCB-S	DCB-S	DCB-E	DCB-E	DCB-E
Sample ID	Sample Date	DCB-S-0-2	DCB-S-2-4	DCB-S-0-2	DCB-S-2-4	DCB-S-0-2	DCB-S-2-4	DCB-S-4-5	DCB-E-0-2	DCB-E-2-4	DCB-E-4-5
MDE Non-Residential Cleanup Standard											
Parameter	Units										
Aroclor 1016	ug/kg	<30U *	<31U *	<30 *	<31 *	<6.6U	<59U	<6.3 U	<6.3 U	<31 U	<29 U
Aroclor 1221	ug/kg	<30U	<31U	<30	<31	<6.6U	<59U	<6.3 U	<6.3 U	<31 U	<29 U
Aroclor 1232	ug/kg	<30U	<31U	<30	<31	<6.6U	<59U	<6.3 U	<6.3 U	<31 U	<29 U
Aroclor 1242	ug/kg	<30U	<31U	<30	<31	<6.6U	<59U	<6.3 U	<6.3 U	<31 U	<29 U
Aroclor 1248	ug/kg	430	490 p	430	490 p	9.5 J	2,300	<6.3 U	<6.3 U	1,000	600
Aroclor 1254	ug/kg	<36U	<37U	<36	<37	<8.0U	<72U	<7.6 U	<7.6 U	<37	<35
Aroclor 1260	ug/kg	<36U	<37U	<36	<37	<8.0U	<72U	<7.6 U	<7.6 U	<37	<35
Total PCBs	ug/kg	430	490	430	490	9.5	2,300	ND	ND	1,000	600
TPH DRO	mg/kg	72	68	72	68	<6.5 U	17	41	35	270	

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	DCB-E	DCB-W	DCB-E	DCB-W	DCB-W	DCB-W	DCB-W	DCB-W	DCB-W	SWBN-1	SWBN-1
Depth (ft)	9-10	0-2	DUP	0-2	2-4	4-5	8-9	0.5-2	0-2	2-4	2-4
Sample ID	DCB-E-9-10	DCB-W-0-2	DUP-001	DCB-W-0-2	DCB-W-2-4	DCB-W-4-5	DCB-W-8-9	SWBN-1-0.5-2	SWBN-1-0-2	SWBN-1-2-4	SWBN-1-2-4
Sample Date	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/18/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025
Parameter	MDE Non-Residential Cleanup Standard										
		Units									
Aroclor 1016		ug/kg	<6.0 U	<6.5U **	<7.0U **	<7.1U **	<7.1U **	<6.2U cn	<64 U	<6.7U cn	<6.7U cn
Aroclor 1221	830	ug/kg	<6.0 U	<6.5U	<7.0U	<7.1U	<7.1U	<6.2U cn	<64 U	<6.7U cn	<6.7U cn
Aroclor 1232	720	ug/kg	<6.0 U	<6.5U	<7.0U	<7.1U	<7.1U	<6.2U cn	<64 U	<6.7U cn	<6.7U cn
Aroclor 1242	950	ug/kg	<6.0 U	<6.5U	<7.0U	<7.1U	<7.1U	<6.2U cn	<64 U	<6.7U cn	<6.7U cn
Aroclor 1248	950	ug/kg	74	8.2 J	<7.0U	<7.1U	<7.1U	<6.2U cn	2,100	<6.7U cn	<6.7U cn
Aroclor 1254	970	ug/kg	93	<7.9U	<8.4U	<8.6U	<8.6U	<7.5U cn	<77 U	<8.1U cn	<8.1U cn
Aroclor 1260	990	ug/kg	<7.3 U	<7.9U	<8.4U	<8.6U	<8.6U	<7.5U cn	<77 U	<8.1U cn	<8.1U cn
Total PCBs	940	ug/kg	167	8.2	ND	ND	ND	ND	2,100	ND	ND
TPH DRO	620	mg/kg	220 F1 F2	<6.1 U	<6.6 U	<6.7 U	<6.6 U	130	110	17	17

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Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)											
Location ID	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1	SWBN-1
Depth (ft)	4-5	2-5	9-10	9-10	9-10	5-10	14-15	19-20	10-15	15-20	15-20	15-20	15-20
Sample ID	SWBN-1-4-5	SWBN-1-2-5	SWBN-1-9-10	DUP-004	SWBN-1-5-10	SWBN-1-14-15	SWBN-1-19-20	SWBN-1-10-15	SWBN-1-15-20	SWBN-1-15-20	SWBN-1-15-20	SWBN-1-15-20	SWBN-1-15-20
Sample Date	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025	2/19/2025
Parameter	MDE Non-Residential Cleanup Standard												
Units													
Aroclor 1016	ug/kg	<6.7 U	<6.4U F1 cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1221	ug/kg	<6.7 U	<6.4U cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1232	ug/kg	<6.7 U	<6.4U cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1242	ug/kg	<6.7 U	<6.4U cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1248	ug/kg	<6.7 U	<6.4U cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1254	ug/kg	<6.7 U	<6.4U cn	<6.7 cn	<6.9 U	<6.3U cn	<6.2 cn	<6.9 U	<6.9 U	<6.2 U	<6.2 U	<6.2 U	<6.2 U
Aroclor 1260	ug/kg	<8.1 U	<7.7U F1 cn	<8.1 cn	<8.3 U	<7.6U cn	<7.5 cn	<8.4 U	<8.4 U	<7.5 U	<7.5 U	<7.5 U	<7.5 U
Total PCBs	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66
TPH DRO	mg/kg	<6.0 U F1	<6.3 U	<6.1 U	<6.2	<6.5 U	<5.8	<6.5 U	<6.5 U	<6.5 U	<6.5 U	<6.5 U	73

NOTES:

Exceeds MDE Non-Residential Soil
 NVL = No value listed
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 exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and
 cn = See case narrative 5/1/2024 (410-170307-1)
 ** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)										
	Location ID	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	SWBN-2	
	Depth (ft)	0.5-2	0-2	2-4	4-5	2-5	9-10	5-10	14-15	SWBN-2	SWBN-2	
	Sample ID	SWBN-2-0.5-2	SWBN-2-0-2	SWBN-2-2-4	SWBN-2-4-5	SWBN-2-2-5	SWBN-2-9-10	SWBN-2-5-10	SWBN-2-14-15	SWBN-2	SWBN-2	
	Sample Date	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	
MDE Non-Residential Cleanup Standard	Parameter	Units										
	Aroclor 1016	5,100	ug/kg	< 6.4U	< 6.5U	< 13U	< 6.4U	< 6.5U	< 6.8U	< 6.7U	< 6.7U	
	Aroclor 1221	830	ug/kg	< 6.4U	< 6.5U	< 13U	< 6.4U	< 6.5U	< 6.8U	< 6.7U	< 6.7U	
	Aroclor 1232	720	ug/kg	< 6.6U	< 6.7U	< 13U	< 6.5U	< 6.5U	< 6.8U	< 6.7U	< 6.7U	
	Aroclor 1242	950	ug/kg	< 6.6U	< 6.7U	< 6.4U	< 6.5U	< 6.5U	< 6.8U	< 6.7U	< 6.7U	
	Aroclor 1248	950	ug/kg	13 J	< 6.5U	< 13U	< 6.4U	< 6.5U	< 6.8U	< 6.7U	< 6.7U	
	Aroclor 1254	970	ug/kg	< 8.0U	< 8.0U	< 7.8U	< 7.9U	< 7.9U	< 8.2U	< 8.1U	< 8.1U	
	Aroclor 1260	990	ug/kg	< 8.0U	< 8.0U	< 7.8U	< 7.9U	< 7.9U	< 8.2U	< 8.1U	< 8.1U	
	Total PCBs	940	ug/kg	13	ND	ND	ND	ND	ND	ND	ND	ND
	TPH DRO	620	mg/kg	38	120	<6.0 U	<6.1 U	<12 U	<6.2 U	9.9 J	<6.3 U	<6.3 U

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NA Sample not submitted for specified method

Sample not collected (boring refusal)

Sample represents reporting limit.

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exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)											
Location ID	SWBN-2	SWBN-2	SWBN-2	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3
Depth (ft)	19-20	15-20	15-20	0.5-2	0-2	2-4	4-5	2-5	9-10	5-10			
Sample ID	SWBN-2-19-20	SWBN-2-15-20	SWBN-3-0.5-2	SWBN-3-0-2	SWBN-3-2-4	SWBN-3-4-5	SWBN-3-2-5	SWBN-3-9-10	SWBN-3-5-10				
Sample Date	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025			
Parameter	MDE Non-Residential Cleanup Standard												
	Units												
Aroclor 1016	ug/kg	< 6.1U	< 5.8U	< 6.6U	< 6.5U	< 6.4U	< 6.7U	< 6.8U	< 6.5U	< 6.5U			
Aroclor 1221	ug/kg	< 6.1U	< 5.8U	< 6.6U	< 6.5U	< 6.4U	< 6.7U	< 6.8U	< 6.5U	< 6.5U			
Aroclor 1232	ug/kg	< 6.1U	< 5.8U	< 6.6U	< 6.5U	< 6.4U	< 6.7U	< 6.8U	< 6.5U	< 6.5U			
Aroclor 1242	ug/kg	< 6.1U	< 5.8U	< 6.6U	< 6.5U	< 6.4U	< 6.7U	< 6.8U	< 6.5U	< 6.5U			
Aroclor 1248	ug/kg	< 6.1U	< 5.8U	< 6.6U	31p	< 6.4U	< 6.7U	< 6.8U	< 6.5U	< 6.5U			
Aroclor 1254	ug/kg	< 7.3U	< 7.0U	< 7.9U	< 7.8U	< 7.8U	< 8.1U	< 8.2U	< 7.8U	< 7.9U			
Aroclor 1260	ug/kg	< 7.3U	< 7.0U	< 7.9U	< 7.8U	< 7.8U	< 8.1U	< 8.2U	< 7.8U	< 7.9U			
Total PCBs	ug/kg	ND	ND	ND	31	ND	ND	ND	ND	ND			
TPH DRO	mg/kg	<5.7 U	<5.5 U	<6.2 U	<6.1 U	<6.0 U	<6.4 U	<6.5 U	<6.1 U	<6.2 U FI			

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)										
Location ID	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3
Depth (ft)	14-15	14-15	10-15	SWBN-3-10-15	SWBN-3-19-20	DUP-005	SWBN-3-15-20	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3
Sample ID	SWBN-3-14-15	SWBN-3-14-15	SWBN-3-10-15	SWBN-3-19-20	DUP-005	SWBN-3-15-20	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3	SWBN-3
Sample Date	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
Parameter	MDE Non-Residential Cleanup Standard	Units										
Arclor 1016	5,100	ug/kg	< 7.1U	< 7.0U cn	< 6.0U	< 6.1	< 6.6U	< 6.4 U	< 6.1 U	< 6.2 U	< 6.8 U	< 6.8 U
Arclor 1221	830	ug/kg	< 7.1U	< 7.0U cn	< 6.0U	< 6.1	< 6.6U	< 6.4 U	< 6.1 U	< 6.2 U	< 6.8 U	< 6.8 U
Arclor 1232	720	ug/kg	< 7.1U	< 7.0U cn	< 6.0U	< 6.1	< 6.6U	< 6.4 U	< 6.1 U	< 6.2 U	< 6.8 U	< 6.8 U
Arclor 1242	950	ug/kg	< 7.1U	< 7.0U cn	< 6.0U	< 6.1	< 6.6U	< 6.4 U	< 6.1 U	< 6.2 U	< 6.8 U	< 6.8 U
Arclor 1248	950	ug/kg	< 7.1U	< 7.0U cn	< 6.0U	11 J	< 6.4 U	< 6.4 U	64	27	17 J	17 J
Arclor 1254	970	ug/kg	< 8.6U	< 8.4U cn	< 7.3U	< 7.4	< 8.0U	< 7.8 U	< 7.4 U	< 7.4 U	< 8.2 U	< 8.2 U
Arclor 1260	990	ug/kg	< 8.6U	< 8.4U cn	< 7.3U	< 7.4	< 8.0U	< 7.8 U	< 7.4 U	< 7.4 U	< 8.2 U	< 8.2 U
Total PCBs	940	ug/kg	ND	ND	ND	11	53	ND	64	27	17	17
TPH DRO	620	mg/kg	< 6.7 U	25	< 5.7 U	< 5.7	< 6.2 U	< 6.1 U	5.9 J cn	6.8 J cn	6.5 J cn	6.5 J cn

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Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
	Location ID	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-1	SWBS-2
	Depth (ft)	2-5	4-5	5-10	9-10	10-15	14-15	15-18	17-18	0-2	
	Sample ID	SWBS-1-2-5	SWBS-1-4-5	SWBS-1-5-10	SWBS-1-9-10	SWBS-1-10-15	SWBS-1-14-15	SWBS-1-15-18	SWBS-1-17-18	SWBS-2-0-2	
	Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
MDE Non-Residential Cleanup Standard	Parameter										
	Units										
	Aroclor 1016	ug/kg	<6.1 U	<6.6 U	<6.5 U	<7.0 U	<6.2 U	<6.8 U	<6.4 U	<7.2 U	<6.5 U
	Aroclor 1221	ug/kg	<6.1 U	<6.6 U	<6.5 U	<7.0 U	<6.2 U	<6.8 U	<6.4 U	<7.2 U	<6.5 U
	Aroclor 1232	ug/kg	<6.1 U	<6.6 U	<6.5 U	<7.0 U	<6.2 U	<6.8 U	<6.4 U	<7.2 U	<6.5 U
	Aroclor 1242	ug/kg	<6.1 U	<6.6 U	<6.5 U	<7.0 U	<6.2 U	<6.8 U	<6.4 U	<7.2 U	<6.5 U
	Aroclor 1248	ug/kg	210	<6.6 U	<6.5 U	<7.0 U	<6.2 U	<6.8 U	<7.2 U	55	
	Aroclor 1254	ug/kg	<7.4 U	<7.9 U	<7.8 U	<8.4 U	<7.5 U	<8.2 U	<7.8 U	<8.6 U	<7.9 U
	Aroclor 1260	ug/kg	<7.4 U	<7.9 U	<7.8 U cn	<8.4 U	<7.5 U cn	<8.2 U	<7.8 U cn	<8.6 U	<7.9 U
	Total PCBs	ug/kg	210	ND	ND	ND	ND	ND	ND	ND	55
TPH DRO	mg/kg	<5.9 U	<6.1 U	11 J	8.3 J	<5.8 U	<6.4 U	<6.2 U	<6.8 U	10 J	

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)											
Location ID	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2	SWBS-2
Depth (ft)	0.5-2	0.5-2	0.5-2	2-4	2-5	4-5	5-10	9-10	10-15	14-15			
Sample ID	SWBS-2-0.5-2	DUP-2	SWBS-2-2-4	SWBS-2-2-5	SWBS-2-4-5	SWBS-2-5-10	SWBS-2-9-10	SWBS-2-10-15	SWBS-2-14-15				
Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025			
Parameter	MDE Non-Residential Cleanup Standard												
Units													
Aroclor 1016	ug/kg	<6.4 U	<6.7 U	<6.3 U	<6.5 U	<6.5 U	<6.2 U	<6.1 U	<6.2 U	<7.2 U			
Aroclor 1221	ug/kg	<6.4 U	<6.7 U	<6.3 U	<6.5 U	<6.5 U	<6.2 U	<6.1 U	<6.2 U	<7.2 U			
Aroclor 1232	ug/kg	<6.4 U	<6.7 U	<6.3 U	<6.5 U	<6.5 U	<6.2 U	<6.1 U	<6.2 U	<7.2 U			
Aroclor 1242	ug/kg	<6.4 U	<6.7 U	<6.3 U	<6.5 U	<6.5 U	<6.2 U	<6.1 U	<6.2 U	<7.2 U			
Aroclor 1248	ug/kg	72	100	<6.3 U	45	<6.5 U	<6.2 U	<6.1 U	<6.2 U	<7.2 U			
Aroclor 1254	ug/kg	<7.7 U	<8.0 U	<7.6 U	<7.8 U	<7.9 U	<7.5 U	<7.4 U	<7.5 U	<8.7 U			
Aroclor 1260	ug/kg	<7.7 U	<8.0 U	<7.6 U	<7.8 U	<7.9 U	<7.5 U	<7.4 U	<7.5 U	<8.7 U			
Total PCBs	ug/kg	72	100	ND	45	ND	ND	ND	ND	ND			
TPH DRO	mg/kg	< 6.1 U F1	9.2 J	<5.9 U	8.7 J cn	<6.1 U	<5.8 U cn	<5.8 U	<5.9 U	<6.9 U cn			

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	SWBS-2	SWBS-2	SWBS-2	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3
Depth (ft)	15-20	15-20	19-20	0-2	0.5-2	2-4	2-5	2-5	2-5	4-5	5-10
Sample ID	SWBS-2-15-20	SWBS-2-15-20	SWBS-2-19-20	SWBS-3-0-2	SWBS-3-0.5-2	SWBS-3-2-4	SWBS-3-2-5	DUP-3	SWBS-3-4-5	SWBS-3-5-10	
Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025
Parameter	MDE Non-Residential Cleanup Standard										
Units											
Aroclor 1016	ug/kg	<7.3 U	<7.2 U	<6.4 U	<6.5 U	<6.4 U	<64 F1 F2	<32 U	<6.2 U	<6.4 U	
Aroclor 1221	ug/kg	<7.3 U	<7.2 U	44	<6.5 U	<6.4 U	<64 U	<32 U	<6.2 U	<6.4 U	
Aroclor 1232	ug/kg	<7.3 U	<7.2 U	<6.4 U	<6.5 U	<6.4 U	<64 U	<32 U	<6.2 U	<6.4 U	
Aroclor 1242	ug/kg	<7.3 U	<7.2 U	<6.4 U	<6.5 U	<6.4 U	<64 U	<32 U	<6.2 U	<6.4 U	
Aroclor 1248	ug/kg	<7.3 U	<7.2 U	210	180	130	2,500	440	14 J	<6.4 U	
Aroclor 1254	ug/kg	<8.8 U	<8.6 U	<7.7 U	<7.8 U	<7.7 U	<77 U	<39 U	<7.5 U	<6.4 U	
Aroclor 1260	ug/kg	<8.8 U	<8.6 U	<7.7 U	<7.8 U	<7.7 U	<77 U	<39 U	<7.5 U	<7.8 U	
Total PCBs	ug/kg	ND	ND	254	180	130	2,500	440	14	ND	
TPH DRO	mg/kg	<6.9 U cn	<6.8 U cn	9.5 J	12 J	13 J	<6.0 U F1	<6.0 U	<5.8 U	<6.0 U	

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Table 4
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Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)											
Location ID	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3
Depth (ft)	9-10	10-15	14-15	15-18	17-18	0-2	0.5-2	2-4	2-4	2-4	2-4	2-4	2-4
Sample ID	SWBS-3-9-10	SWBS-3-10-15	SWBS-3-14-15	SWBS-3-15-18	SWBS-3-17-18	RB-16A-0-2	RB-16A-0.5-2	RB-16A-2-4-C	RB-16A-2-4-C	RB-16A-2-4-C	RB-16A-2-4-C	RB-16A-2-4-G	RB-16A-2-4-G
Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025
Parameter	MDE Non-Residential Cleanup Standard												
	Units												
Aroclor 1016	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	<6.3 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.5 U	<6.5 U
Aroclor 1221	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	<6.3 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.5 U	<6.5 U
Aroclor 1232	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	<6.3 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.5 U	<6.5 U
Aroclor 1242	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	<6.3 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.6 U	<6.5 U	<6.5 U
Aroclor 1248	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	6.6 J	<6.6 U	11 J	<6.6 U	<6.6 U	<6.6 U	<6.5 U	<6.5 U
Aroclor 1254	ug/kg	<6.5 U	<7.1 U	<7.1 U	<7.1 U	<7.7	<8.0	<8.0	<8.0	<8.0	<8.0	<7.9	<7.9
Aroclor 1260	ug/kg	<7.9 U	<8.6 U	<8.6 U	<8.6 U	<8.1 U	<8.0	<8.0	<8.0	<8.0	<8.0	<7.9	<7.9
Total PCBs	ug/kg	ND	ND	ND	ND	6.6	ND	11	ND	11	ND	ND	ND
TPH DRO	mg/kg	<6.2 U	<6.8 U	<6.7 U	<6.7 U	<6.4 U	<6.3	<6.3	<6.3	<6.3	<6.3	<6.1	<6.1

NOTES:

Exceeds MDE Non-Residential Soil
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 ** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B	RB-16B
Depth (ft)	0-2	0.5-2	2-4	2-4	0-2	0-2	0.5-2	2-4	2-4	2-4	0-2
Sample ID	RB-16B-0-2	RB-16B-0.5-2	RB-16B-2-4-C	RB-16B-2-4-G	RB-16B-0-2	RB-16B-0.5-2	RB-16B-2-4-C	RB-16B-2-4-G	RB-16B-2-4-C	RB-16B-2-4-G	RB-16B-0-2
Sample Date	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/13/2025	2/13/2025	2/13/2025	2/14/2025	2/13/2025	2/13/2025	2/14/2025
Parameter	MDE Non-Residential Cleanup Standard										
Units											
Aroclor 1016	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	<6.7 U	<32 U	<6.4 U	<32 U	<65 U	<30 U
Aroclor 1221	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	<6.7 U	<32 U	<6.4 U	<32 U	<65 U	<30 U
Aroclor 1232	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	<6.7 U	<32 U	<6.4 U	<32 U	<65 U	<30 U
Aroclor 1242	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	<6.7 U	<32 U	<6.4 U	<32 U	<65 U	<30 U
Aroclor 1248	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	96	<32 U	<6.4 U	850	<65 U	<30 U
Aroclor 1254	ug/kg	<6.7 U	<6.6 U	<6.8 U	<6.7 U	<8.1 U	<38	<6.4 U	<38	<78	<37
Aroclor 1260	ug/kg	<8.1	<7.9	<8.2	<8.1 U	<8.1 U	<38	<7.8 U	<38	<78	<37
Total PCBs	ug/kg	ND	ND	ND	ND	96	<38	ND	850	<78	<37
							1,400			1,900	1,300
TPH DRO	mg/kg	<6.3	<6.3	<6.3	<6.1	<6.3	36	<6.0	17	61	

NOTES:

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NA

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)											
Location ID	RB-17B	RB-17B	RB-17B	RB-17B	RB-17C	RB-17C	RB-17C	RB-17C	RB-17C	RB-17C	RB-17C	RB-18A	RB-18A
Depth (ft)	0.5-2	0.5-2	2-4	2-4	0-2	0.5-2	2-4	2-4	2-4	2-4	2-4	0-2	0.5-2
Sample ID	RB-17B-0.5-2	RB-17B-0.5-2	RB-17B-2-4-C	RB-17B-2-4-G	RB-17C-0-2	RB-17C-0.5-2	RB-17C-2-4-C	RB-17C-2-4-G	RB-17C-2-4-G	RB-17C-2-4-G	RB-17C-2-4-G	RB-18A-0-2	RB-18A-0.5-2
Sample Date	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/14/2025	2/13/2025	2/13/2025
Parameter	MDE Non-Residential Cleanup Standard	Units											
Aroclor 1016	5,100	ug/kg	<31 U	<32 U	<6.9 U	<6.6 U	<6.7 U	<6.7 U	<6.7 U	<6.7 U	<7.4	<7.4	<6.5
Aroclor 1221	830	ug/kg	<31 U	<32 U	<6.9 U	<6.6 U	<6.7 U	<6.7 U	<6.7 U	<6.7 U	<7.4	<7.4	<6.5
Aroclor 1232	720	ug/kg	<31 U	<32 U	<6.9 U	<6.6 U	<6.7 U	<6.7 U	<6.7 U	<6.7 U	<7.4	<7.4	<6.5
Aroclor 1242	950	ug/kg	<31 U	<32 U	<6.9 U	<6.6 U	<6.7 U	<6.7 U	<6.7 U	<6.7 U	<7.4	<7.4	<6.5
Aroclor 1248	950	ug/kg	1,700	620	18 J	<6.6	10 J	<6.7 U	<6.7 U	<6.7 U	<7.4	<7.4	45 p
Aroclor 1254	970	ug/kg	<37	190	<8.3	<8.0	<8.1	<8.1	<8.1	<8.1	<8.9	<8.9	<7.9
Aroclor 1260	990	ug/kg	<37	90	<8.3	<8.0	<8.1	<8.1	<8.1	<8.1	<8.9	<8.9	<7.9
Total PCBs	940	ug/kg	1,700	900	18	ND	10	ND	ND	ND	ND	ND	45
TPH DRO	620	mg/kg	56	47	<6.5	<6.2	<6.3	<6.3	<6.3	<6.3	<7.0	<7.0	<6.1

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Addtl. Investigation (2025)									
Location ID	RB-18A	RB-18A	RB-18A	RB-18B	RB-18B	RB-18B	RB-18B	RB-18B	RB-18B	RB-19	RB-20
Depth (ft)	2-4	2-4	2-4	0-2	0.5-2	2-4	2-4	2-4	0.5-2	2-3.5	0.5-2
Sample ID	RB-18A-2-4-G	RB-18A-2-4-C	RB-18A-2-4-C	RB-18B-0-2	RB-18B-0.5-2	RB-18B-2-4-C	RB-18B-2-4-G	RB-19-0.5-2-G	RB-19-2-3.5-G	RB-20-0.5-2-G	
Sample Date	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/13/2025	2/18/2025	2/18/2025	2/18/2025	
Parameter	MDE Non-Residential Cleanup Standard										
	Units										
Aroclor 1016	ug/kg	<6.6	<7.0	<6.2	<6.8	<6.7	<6.3	<6.1 U	<6.8 U	<6.4 U	
Aroclor 1221	ug/kg	<6.6	<7.0	<6.2	<6.8	<6.7	<6.3	<6.1 U	<6.8 U	<6.4 U	
Aroclor 1232	ug/kg	<6.6	<7.0	<6.2	<6.8	<6.7	<6.3	<6.1 U	<6.8 U	<6.4 U	
Aroclor 1242	ug/kg	<6.6	<7.0	<6.2	<6.8	<6.7	<6.3	<6.1 U	<6.8 U	<6.4 U	
Aroclor 1248	ug/kg	<6.6	33	130	<6.8	7.1 J	<6.3	<6.1 U	<6.8 U	<6.4 U	
Aroclor 1254	ug/kg	<8.0	<8.5	<7.5	<8.2	<8.0	<7.6	<7.4 U	<8.2 U	<7.7 U	
Aroclor 1260	ug/kg	<8.0	<8.5	<7.5	<8.2	<8.0	<7.6	<7.4 U	<8.2 U	<7.7 U	
Total PCBs	ug/kg	ND	33	130	ND	7.1	ND	<7.4 U	ND	ND	
TPH DRO	mg/kg	<6.3	<6.6	34	18	<6.3	<5.9	<5.7 U	<6.4 U	<6.0 U	

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

ERM Addtl. Investigation (2025)		ERM Phase II ESA (Bauxite 3) 2024									
Source	Location ID	RB-20	RB1-0	RB2-20N	RB3-0	RB3-20S	RB4-20N	RB4-20S	RB4-20S	RB4-20S	
	Depth (ft)	2-4	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	
	Sample ID	RB-20-2-4-G	RB-1-0-0.5-2.0	RB-2-20N-0.5-2	RB-3-0-0.5-2	RB-3-20S-0-0.5	RB-4-20N-0.5-2	RB-4-20S-0.5-2	RB-4-20S-0.5-2	RB-4-20S-0.5-2	
	Sample Date	2/18/2025	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/14/2024	
MDE Non-Residential Cleanup Standard											
Parameter	Units										
Aroclor 1016	ug/kg	<6.6 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1221	ug/kg	<6.6 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1232	ug/kg	<6.6 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1242	ug/kg	<6.6 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1248	ug/kg	<6.6 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1254	ug/kg	<8.0 U	<20	<18	<200	<18	<21	<23	<19	<19	
Aroclor 1260	ug/kg	<8.0 U	<20	<18	<200	<18	<21	<23	<19	<19	
Total PCBs	ug/kg	ND	ND	ND	21	210	ND	<23	<23	170	
TPH DRO	mg/kg	<6.2 U	9.7 J	9.9 J	10.0 J	220	<15 cm	<160	<160	77 J	

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024									
Source									
Location ID	RB5-20N	RB5-0	RB6-20N	RB6-0	RB6-20S	RB7-0	DUP-6	RB-8-20A	
Depth (ft)	0-0.5	0.5-2	0-0.5	0-0.5	0.5-2	0.5-2	0.5-2	0.5-1	
Sample ID	RB-5-20N-0-0.5	RB-5-0-0.5-2	RB-6-20N-0-0.5	RB-6-0-0-0.5	RB-6-20S-0.5-2	RB-7-0-0.5-2	RB-7-0-0.5-2	RB-8-20A-0.5-1	
Sample Date	5/14/2024	5/14/2024	5/14/2024	5/14/2024	5/14/2024	5/14/2024	5/14/2024	9/5/2024	
Parameter	MDE Non-Residential	Units							
Cleanup Standard									
Aroclor 1016	5,100	ug/kg	< 23	< 210 F1 cn	< 25	< 21	< 200	< 20	< 19
Aroclor 1221	830	ug/kg	< 23	< 210 cn	< 25	< 21	< 200	< 20	15 J cn
Aroclor 1232	720	ug/kg	< 23	< 210 cn	< 25	< 21	< 200	< 20	< 19 cn
Aroclor 1242	950	ug/kg	< 23	< 210 cn	< 25	< 21	< 200	< 20	< 19 cn
Aroclor 1248	950	ug/kg	160	< 210 cn	180	95	< 21	34	94 cn
Aroclor 1254	970	ug/kg	< 23	< 210 cn	< 25	< 21	< 200	< 20	< 19 cn
Aroclor 1260	990	ug/kg	14 J	< 210 cn	< 25	< 21	< 200	< 20	< 19 cn
Total PCBs	940	ug/kg	174	< 210 cn	180	95	< 21	34	109
TPH DRO	620	mg/kg	190	340 F1 F2	80	1,200	< 15	3,200	360

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Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024										
Source		Location ID	RB-8-20A	RB-8-20B	RB-8-20B	RB-8-20B	RB-9-20A	RB-10-20A	RB-10-20A	RB-10-20B
		Depth (ft)	1-2	0-0.5	0-0.5	0-0.5	0.5-2	0-0.5	0.5-2	0-0.5
		Sample ID	RB-8-20A-1-2	RB-8-20B-0-0.5	DUP-3	RB-9-20A-0.5-2	RB-10-20A-0.5-2	RB-10-20A-0-0.5	RB-10-20A-0.5-2	RB-10-20B-0-0.5
		Sample Date	9/5/2024	9/5/2024	9/5/2024	9/5/2024	9/5/2024	9/5/2024	9/5/2024	9/5/2024
Parameter	MDE Non-Residential Cleanup Standard	DUP-3 Collected								
	Units	MS/MSD Collected								
Aroclor 1016	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	< 200 cn	< 21	< 400 cn
Aroclor 1221	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	< 200 cn	< 21	< 400 cn
Aroclor 1232	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	< 200 cn	< 21	< 400 cn
Aroclor 1242	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	< 200 cn	< 21	< 400 cn
Aroclor 1248	ug/kg	19 J	79	79	78	25	38	850 cn	38	1,100 cn
Aroclor 1254	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	600 cn	< 21	< 400 cn
Aroclor 1260	ug/kg	< 20	< 18	< 18	< 18	< 19	< 21	1,200 cn	< 21	< 400 cn
Total PCBs	ug/kg	19	79	78	78	25	< 21	2,650	< 21	1,100 cn
TPH DRO	mg/kg	25	51	61	61	11	11 J	94	11 J	27 F1

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Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024											
Source											
Location ID	RB-11-20A	RB-12-20A	RB-12-20A	RB-12-20A	RB-12-20B	RB-13-20A	RB-14-20A	RB-14-20A	RB-14-20A	RB-14-20A	RB-14-20A
Depth (ft)	0.5-2	0-0.5	0.5-2	0.5-2	0-0.5	0.5-2	0-0.5	0-0.5	0-0.5	0.5-2	0.5-2
Sample ID	RB-11-20A-0.5-2	RB-12-20A-0-0.5	RB-12-20A-0.5-2	RB-12-20A-0.5-2	RB-12-20B-0-0.5	RB-13-20A-0.5-2	RB-14-20A-0-0.5	RB-14-20A-0-0.5	RB-14-20A-0-0.5	RB-14-20A-0.5-2	RB-14-20A-0.5-2
Sample Date	9/4/2024	9/3/2024	9/3/2024	9/3/2024	9/3/2024	9/4/2024	9/3/2024	9/3/2024	9/3/2024	9/3/2024	9/3/2024
Parameter	MDE Non-Residential Cleanup Standard		Units								
Aroclor 1016	5,100		ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 19	< 19
Aroclor 1221	830	< 2,200	ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 19	< 19
Aroclor 1232	720	< 2,200	ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 19	< 19
Aroclor 1242	950	< 2,200	ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 19	< 19
Aroclor 1248	950	15,000 cn	ug/kg	< 21	200	< 21	< 21	33	< 18	50	50
Aroclor 1254	970	< 2,200	ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 19	< 19
Aroclor 1260	990	< 2,200	ug/kg	< 21	< 21	< 21	< 21	< 18	< 18	< 12 J	< 12 J
Total PCBs	940	15,000 cn	ug/kg	< 21	200	< 21	< 21	33	< 18	62	62
TPH DRO	620	14	mg/kg	< 15	< 15	8.4 J	41	17	< 15	20	20

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Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024													
Parameter	MDE Non-Residential Cleanup Standard	Units													
		ug/kg													
Aroclor 1016	5,100	< 29	< 9700	< 18	< 20	< 20	< 20	< 19	< 19	< 20	< 23	< 19	< 21 cn		
Aroclor 1221	830	< 29	< 9700	< 18	< 20	< 20	< 20	< 19	< 19	< 20	< 23	< 19	< 21 cn		
Aroclor 1232	720	< 29	< 9700	< 18	< 20	< 20	< 20	< 19	< 19	< 20	< 23	< 19	< 21 cn		
Aroclor 1242	950	< 29	< 9700	< 18	< 20	< 20	< 20	< 19	< 19	< 20	< 23	< 19	< 21 cn		
Aroclor 1248	950	400	36,000 cn	< 18	< 20	< 20	< 20	< 19	58	< 20	< 23	17 J	360 cn		
Aroclor 1254	970	< 29	< 9700	7.3 J	< 20	< 20	< 20	< 19	< 19	< 20	< 23	< 19	< 21 cn		
Aroclor 1260	990	< 29	< 9700	< 18	< 20	< 20	< 20	< 19	< 19	< 20 F1	< 23	< 19	< 21 cn		
Total PCBs	940	400	36,000 cn	7.3 J	< 20	< 20	< 20	58	< 20	< 20	< 23	17 J	360		
TPH DRO	620	25	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

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** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024															
Source															
Location ID	B-4	B-4	B-4	B-5	B-5	B-5	B-6	B-6	B-6	B-6	B-6	B-6	B-7 / MW-2	B-7 / MW-2	B-7 / MW-2
Depth (ft)	1-5	5-14	5-14	0-1	0-1	1-5	0-1	0-1	1-5	1-5	5-12	0-1	1-5	1-5	7.5-13.5
Sample ID	B-4-1-5-G	B-4-5-14-C	B-4-5-14-C	B-5-0-1-G	B-5-0-1-G	B-5-1-5-C	B-5-5-13-C	B-6-0-1-G	B-6-1-5-C	B-6-1-5-C	B-6-5-15-C	B-7-0-1-G	B-7-1-5-C	B-7-1-5-C	B-7-5-13.5-C
Sample Date	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	5/6/2024	5/6/2024	5/6/2024	5/6/2024
Parameter	MDE Non-Residential Cleanup Standard														
Units															
Aroclor 1016	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	< 20 cn	< 21	< 21	< 23 cn	< 19	< 23	< 23	< 23
Aroclor 1221	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	< 20	< 21	< 21	< 23	< 19	< 23	< 23	< 23
Aroclor 1232	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	< 20	< 21	< 21	< 23	< 19	< 23	< 23	< 23
Aroclor 1242	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	< 20	< 21	< 21	< 23	< 19	< 23	< 23	< 23
Aroclor 1248	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	66	< 20	18 J	< 21	< 21	< 23	19	< 23	< 23	< 23
Aroclor 1254	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	8-9 J	< 21	< 21	< 23	< 19	< 23	< 23	< 23
Aroclor 1260	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	< 21	< 20	< 20 cn	< 21	< 21	< 23 cn	< 19	< 23	< 23	< 23
Total PCBs	ug/kg	< 19	< 24 cn	< 20 cn	< 20 cn	66	< 20	26.9	ND	ND	ND	19	ND	ND	ND
TPH DRO	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil

NVL = No value listed

n.o.s. = not otherwise specified

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

NA = Sample not submitted for specified method

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits

exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and

cn = See case narrative 5/1/2024 (410-170307-1)

** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024									
		Location ID	B-8	B-8	B-8	B-8	B-9	B-9	B-10	B-10	B-10
		Depth (ft)	0-1	1-5	5-15	0-1	0-1	1-5	0-1	0-1	1-5
		Sample ID	B-8-0-1-G	B-8-1-5-C	B-8-5-15-C	B-9-0-1-G	B-9-1-5-C	B-10-0-1-G	B-10-0-1-G	B-10-1-5-C	B-10-1-5-C
		Sample Date	5/2/2024	5/2/2024	5/2/2024	4/29/2024	4/30/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024
Parameter	MDE Non-Residential Cleanup Standard	Units	Duplicate of B-8-5-15-C								
Aroclor 1016	5,100	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Aroclor 1221	830	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Aroclor 1232	720	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Aroclor 1242	950	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Aroclor 1248	950	ug/kg	10 J	22 cn	< 21	20	< 21	16 J	< 20	< 22	< 22
Aroclor 1254	970	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Aroclor 1260	990	ug/kg	< 18	< 19 cn	< 21	< 20	< 21	< 20	< 20	< 22	< 22
Total PCBs	940	ug/kg	10	22	ND	20	< 21	16 J	< 20	< 22	< 22
TPH DRO	620	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil
 NVL = No value listed
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 TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics
 NA = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit.
 J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits
 exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and
 cn = See case narrative 5/1/2024 (410-170307-1)
 ** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024											
		Location ID	DUP-1	B-10	B-11	B-11	B-11	B-11	B-11	B-12	B-12	B-12	B-13
		Depth (ft)	1-5	5-12.5	0-1	0-1	1-5	1-5	5-15	0-1	1-5	11-12	0-1
		Sample ID	B-10-1-5-C	B-10-5-12.5-C	B-11-0-1-G	B-11-1-5-C	B-11-1-5-C	B-11-5-15-C	B-12-0-1-G	B-12-1-5-C	B-12-5-12-C	B-13-0-1-G	
		Sample Date	5/1/2024	5/1/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	4/30/2024	4/30/2024	4/30/2024	5/1/2024	
Parameter	MDE Non-Residential Cleanup Standard	Units											
Aroclor 1016	5,100	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Aroclor 1221	830	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Aroclor 1232	720	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Aroclor 1242	950	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Aroclor 1248	950	ug/kg	< 23	< 21	< 22	14 J	97	< 23	< 20	< 22	< 22	6,300	
Aroclor 1254	970	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Aroclor 1260	990	ug/kg	< 23	< 21	< 22	< 21	< 21	< 23	< 20	< 22	< 22	< 2,000	
Total PCBs	940	ug/kg	< 23	< 21	14	97	97	ND	< 20	< 22	< 22	6,300	
TPH DRO	620	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil

NVL = No value listed

n.o.s. = not otherwise specified

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

NA = Sample not submitted for specified method

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits

exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and

cn = See case narrative 5/1/2024 (410-170307-1)

** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024													
	Location ID	B-13 Depth (ft)	B-13 5-14	B-14 0-1	B-14 1-5	DUP-4 1-5	B-14 5-15	B-15/ MW-5 0-1	B-15/ MW-5 1-5	B-15/ MW-5 5-15	B-16 0-1				
	Sample ID	B-13-1-5-C	B-13-5-14-C	B-14-0-1-G	B-14-1-5-C	DUP 4	B-14-5-15-C	B-15-0-1-G	B-15-1-5-C	B-15-5-15-C	B-16-0-1-G				
	Sample Date	5/1/2024	5/1/2024	5/10/2024	5/10/2024	5/10/2024	5/10/2024	5/6/2024	5/6/2024	5/6/2024	5/9/2024				
MDE Non-Residential Cleanup Standard	Parameter														
	Units														
	Aroclor 1016	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 19			
	Aroclor 1221	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 19			
	Aroclor 1232	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 19			
	Aroclor 1242	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 19			
	Aroclor 1248	ug/kg	210	12,000	< 20	< 20	< 20	< 20	< 20	120	< 22	< 19			
	Aroclor 1254	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 19			
	Aroclor 1260	ug/kg	< 100	< 11,000	< 20	< 20	< 20	< 20 F1	< 20	< 20	< 22	< 19			
	Total PCBs	ug/kg	ND	12,000	ND	ND	ND	ND	ND	ND	ND	ND			
TPH DRO		mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA				

NOTES:

Exceeds MDE Non-Residential Soil

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TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

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Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024											
		Location ID	B-16	B-16	B-16	B-17	B-17	B-17	B-17	B-18	B-18	B-18	B-18
		Depth (ft)	1-5	5-15	5-15	0-1	1-5	1-5	5-9.5	0-1	1-5	5-10.5	
		Sample ID	B-16-1-5-C	B-16-5-15-C	B-16-5-15-C	B-17-0-1-G	B-17-1-5-C	B-17-1-5-C	B-17-5-9.5-C	B-18-0-1-G	B-18-1-5-C	B-18-5-10.5-C	
		Sample Date	5/9/2024	5/9/2024	5/9/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024	4/30/2024	4/30/2024	4/30/2024	
Parameter	MDE Non-Residential Cleanup Standard	Units											
Aroclor 1016	5,100	ug/kg	< 20	< 23 F2 F1	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Aroclor 1221	830	ug/kg	< 20	< 23	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Aroclor 1232	720	ug/kg	< 20	< 23	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Aroclor 1242	950	ug/kg	< 20	< 23	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Aroclor 1248	950	ug/kg	< 20	< 23	< 21	< 21	< 21	< 23	< 23	290	12 J	< 21	
Aroclor 1254	970	ug/kg	< 20	< 23	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Aroclor 1260	990	ug/kg	< 20	< 23 F2 F1	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
Total PCBs	940	ug/kg	ND	< 23 F2 F1	< 21	< 21	< 21	< 23	< 23	< 99	< 25	< 21	
TPH DRO	620	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NOTES:

Exceeds MDE Non-Residential Soil

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TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

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** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024											
		Location ID	B-19	B-19	B-19	B-20	B-20	B-20	B-20	B-21/ MW-7	B-21/ MW-7	B-21/ MW-7	B-21/ MW-7
		Depth (ft)	0-1	1-5	5-7.5	0-1	1-5	1-5	5-14	0-1	1-5	1-5	5-15
		Sample ID	B-19-0-1-G	B-19-1-5-C	B-19-5-7.5-C	B-20-0-1-G	B-20-1-5-C	B-20-1-5-C	B-20-5-14-C	B-21-0-1-G	B-21-1-5-C	B-21-1-5-C	B-21-5-15 C
		Sample Date	5/1/2024	5/1/2024	5/1/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	5/1/2024	5/1/2024	5/1/2024	5/1/2024
Parameter	MDE Non-Residential Cleanup Standard	Units											
Aroclor 1016	5,100	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Aroclor 1221	830	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Aroclor 1232	720	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Aroclor 1242	950	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Aroclor 1248	950	ug/kg	59	2,500	140 J	87	< 19	< 19	< 20	50	10 J	< 20	< 21
Aroclor 1254	970	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Aroclor 1260	990	ug/kg	< 20	< 930	< 190	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 21
Total PCBs	940	ug/kg	59	2,500	140	87	< 19	< 19	< 20	50	10 J	< 20	< 21
TPH DRO	620	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil

NVL = No value listed

n.o.s. = not otherwise specified

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

NA = Sample not submitted for specified method

< = Analyte not detected, value represents reporting limit.

J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits

exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and

cn = See case narrative 5/1/2024 (410-170307-1)

** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		ERM Phase II ESA (Bauxite 3) 2024				GTA Site Management Plan 2017							
		Location ID	DUP-2	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	B-22/ MW-8	BY-GTA-01	BY-GTA-02	BY-GTA-02	BY-GTA-02	BY-GTA-03	BY-GTA-03
		Depth (ft)	5-15	0-1	4-5	5-15	5-15	0-1	0-1	4-5	4-5	0-1	4-5
		Sample ID	B-21-5-15 C	B-22-0-1-G	B-22-1-5-C	B-22-5-15-C	B-22-5-15-C						
		Sample Date	5/1/2024	5/2/2024	5/2/2024	5/2/2024	5/2/2024	9/22/2014	9/22/2014	9/22/2014	9/22/2014	9/24/2014	9/22/2014
Parameter	MDE Non-Residential Cleanup Standard	Units											
Aroclor 1016	5,100	ug/kg	< 24	< 21 F1	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1221	830	ug/kg	< 24	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1232	720	ug/kg	< 24	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1242	950	ug/kg	< 24	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1248	950	ug/kg	15 J	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1254	970	ug/kg	< 24	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Aroclor 1260	990	ug/kg	21 J	< 21	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
Total PCBs	940	ug/kg	36 J	< 21 F1	< 22	< 22	< 22	NA	NA	NA	NA	NA	NA
TPH DRO	620	mg/kg	NA	NA	NA	NA	NA	5.4	4.8	5.4	8.2	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil

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TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

NA = Sample not submitted for specified method

< = Analyte not detected, value represents reporting limit.

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exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and

cn = See case narrative 5/1/2024 (410-170307-1)

** - DCA-S samples were mislabeled in

Table 4
Soil Data - PCBs and TPH DRO
Bauxite III
Frederick, MD

Source		GTA Site Management Plan 2017										Terracon Phase II 2024						Terracon Phase II 2024
Location ID	SW-GTA-05	SW-GTA-05	SW-GTA-05	SW-GTA-05	RR-GTA-05	RR-GTA-05	RR-GTA-05	RR-GTA-05	RR-GTA-05	RR-GTA-07	RR-GTA-07	DU1-32	DU1-32	DU1-33	DU1-33	DU1-34	DU1-34	DU1-34
Depth (ft)	0-1	0-1	4-5	4-5	0-1	4-5	4-5	4-5	4-5	4-5	4-5	0-2	2-5	0-2	2-5	0-2	2-5	2-5
Sample ID	12/10/2015	12/10/2015	12/10/2015	12/10/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	11/11/2015	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024	1/3/2024
Parameter	MDE Non-Residential Cleanup Standard										Units							
Aroclor 1016	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ug/kg	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ug/kg	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ug/kg	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	170	800	800	800	ND	ND	ND	ND	ND	ND	ug/kg	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ug/kg	<61.9	<63.2	<60.6	<56	<60.7	<60.2	<60.2
Aroclor 1254	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ug/kg	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ug/kg	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ug/kg	<61.9	<63.2	<60.6	<56	<60.7	<60.2	<60.2
TPH DRO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	mg/kg	< 3.2	NA	< 3.1	NA	< 3.0	NA	NA

NOTES:

Exceeds MDE Non-Residential Soil
 NVL = No value listed
 n.o.s. = not otherwise specified
 TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics
 NA = Sample not submitted for specified method
 Sample not collected (boring refusal)
 Sample represents reporting limit.
 < = Analyte not detected, value represents reporting limit.
 J = Result is less than reporting limit but F1 = MS and/or MSD recovery exceeds control limits
 exceeds limit, and one or both sample results are less than 5 times in the report as: "The %RPD between the primary and
 cn = See case narrative 5/1/2024 (410-170307-1)
 ** - DCA-S samples were mislabeled in

Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

Source		ERM Addtl. Investigation (2025)																			
Parameter	MDE Non-Residential Cleanup Standard	Location ID		CC-1	CC-1	CC-1	CC-1	CC-1	CC-1	CC-2	CC-2	CC-2	CC-2	CC-2	CC-2	CC-3	CC-3	CC-3	CC-3	CC-3	
		Depth (ft)	CC-1-0-2	2-5	5-8	5-10	10-12.3	0-2	2-5	5-10	10-15	10-15	10-15	0-2	2-5	5-10	5-10	5-10	5-10	5-10	
				CC-1-2-5	CC-1-5-10	CC-1-10-12.3	CC-2-0-2	CC-2-2-5	CC-2-5-10	CC-3-0-2	CC-3-5-5	CC-3-5-10	CC-3-10-15	CC-3-10-15	CC-3-10-15	CC-3-10-15	CC-3-10-15	CC-3-10-15	CC-3-10-15	CC-3-10-15	
				2/11/2025	2/11/2025	2/20/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025
				Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
Units																					
Aldrin	ug/kg	< 0.41 H cn	NA	NA	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U		
Alpha-BHC	ug/kg	< 0.43 H cn	NA	NA	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U	< 0.51 U		
Beta-BHC	ug/kg	< 0.50 H cn	NA	NA	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U	< 0.60 U		
Chlordane (n.o.s.)	ug/kg	< 4.6 H cn	NA	NA	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U	< 5.4 U		
Delta-BHC	ug/kg	< 0.51 H cn	NA	NA	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U	< 0.61 U		
Dieldrin	ug/kg	< 0.38 H cn	NA	NA	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U		
Endosulfan I	ug/kg	< 0.25 H cn	NA	NA	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U	< 0.30 U		
Endosulfan II	ug/kg	< 1.3 H cn	NA	NA	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U		
Endosulfan Sulfate	ug/kg	< 0.45 H cn	NA	NA	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U	< 0.53 U		
Endrin	ug/kg	< 0.78 H cn	NA	NA	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U	< 0.92 U		
Endrin aldehyde	ug/kg	< 0.97 H cn	NA	NA	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U		
Gamma-BHC (Lindane)	ug/kg	< 0.24 H cn	NA	NA	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U	< 0.29 U		
Heptachlor	ug/kg	< 0.35 H cn	NA	NA	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U		
Heptachlor epoxide	ug/kg	< 0.40 H cn	NA	NA	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U		
4,4'-DDD	ug/kg	< 0.91 H cn	NA	NA	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U		
4,4'-DDE	ug/kg	< 0.80 H cn	NA	NA	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U	< 0.95 U		
4,4'-DDT	ug/kg	< 0.90 H cn	NA	NA	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U		
Toxaphene	ug/kg	< 0.41 H cn	NA	NA	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U		
2,4,5-T	ug/kg	< 0.94 H cn	NA	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U		
2,4-D	ug/kg	< 14 H cn	NA	NA	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U		
2,4-DB	ug/kg	< 14 H cn	NA	NA	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U	< 16 U		
Dalapon	ug/kg	< 56 H cn	NA	NA	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U	< 67 U		
Dicamba	ug/kg	< 16 H cn	NA	NA	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U	< 19 U		
Dichloroprop	ug/kg	< 16 H cn	NA	NA	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U		
Dinoseb	ug/kg	< 10 H cn	NA	NA	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U		
MCPA	ug/kg	< 870 H cn	NA	NA	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U	< 1200 U		
MCPP	ug/kg	< 4300 H cn	NA	NA	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U	< 5200 U		
Pentachlorophenol	ug/kg	< 0.38 H cn	NA	NA	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U		
2,4,5'-TP (Silvex)	ug/kg	< 0.86 H cn	NA	NA	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U		
cis-Chlordane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
trans-Chlordane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endrin ketone	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methoxychlor	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

NOTES:

MS/MSD = matrix spike/matrix spike duplicate

NVL = No value listed

n.o.s. = not otherwise specified

++ = LCS and/or LCSD is outside acceptance limits, high biased

*- = LCS and/or LCSD is outside acceptance limits, low biased

J = Result is less than reporting limit but greater than

method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are

less than 5 times RL, and the absolute difference between results is <

the upper reporting limits for both.

NA

Sample not submitted for

specified method

< = Analyte not detected, value represents method detection limit.

cn = See case narrative

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Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

ERM Addtl. Investigation (2025)														
Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID											
			Depth (ft)			SWBN-3			SWBN-3			SWBN-3		
			2-5	5-10	10-15	2-5	5-10	10-15	2-5	5-10	10-15	2-5	5-10	10-15
			Sample Date	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025	2/20/2025
Aldrin	180	ug/kg	< 0.46 U	< 0.44 U	0.78 J	< 0.45 U	< 0.44 U	< 0.42 U	< 0.42 U	< 0.44 U	< 0.42 U	< 0.44 U	< 0.42 U	< 0.44 U
Alpha-BHC	360	ug/kg	< 0.49 U	< 0.47 U	< 0.50 U	< 0.47 U	< 0.46 U	< 0.44 U	< 0.44 U	< 0.47 U	< 0.44 U	< 0.46 U	< 0.44 U	< 0.46 U
Beta-BHC	1,300	ug/kg	< 0.56 U	< 0.54 U	< 0.55 U	< 0.55 U	< 0.53 U	< 0.51 U	< 0.51 U	< 0.54 U	< 0.51 U	< 0.54 U	< 0.51 U	< 0.54 U
Chlordane (n.o.s.)	7,700	ug/kg	< 5.1 U	< 4.9 U	< 5.3 U	< 5.0 U	< 4.8 U	< 4.7 U	< 4.6 U	< 4.9 U	< 4.7 U	< 4.9 U	< 4.7 U	< 4.9 U
Delta-BHC	2,500	ug/kg	< 0.58 U	< 0.55 U	< 0.59 U	< 0.56 U	< 0.55 U	< 0.52 U	< 0.52 U	< 0.55 U	< 0.52 U	< 0.55 U	< 0.52 U	< 0.55 U
Dieldrin	140	ug/kg	< 0.42 U	< 0.41 U	< 0.43 U	< 0.41 U	< 0.40 U	< 0.38 U	< 0.38 U	< 0.40 U	< 0.38 U	< 0.40 U	< 0.38 U	< 0.40 U
Endosulfan I	NVL	ug/kg	< 0.28 U	< 0.27 U	< 0.29 U	< 0.27 U	< 0.27 U	< 0.26 U	< 0.26 U	< 0.27 U	< 0.26 U	< 0.27 U	< 0.26 U	< 0.27 U
Endosulfan II	NVL	ug/kg	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Endosulfan Sulfate	NVL	ug/kg	< 0.50 U	< 0.48 U	< 0.52 U	< 0.49 U	< 0.48 U	< 0.46 U	< 0.46 U	< 0.48 U	< 0.46 U	< 0.48 U	< 0.46 U	< 0.48 U
Endrin	25,000	ug/kg	< 0.87 U	< 0.84 U	< 0.89 U	< 0.84 U	< 0.82 U	< 0.79 U	< 0.79 U	< 0.83 U	< 0.79 U	< 0.83 U	< 0.79 U	< 0.83 U
Endrin aldehyde	NVL	ug/kg	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	< 0.99 U	< 0.99 U	< 1.0 U	< 0.99 U	< 1.0 U	< 0.99 U	< 1.0 U
Gamma-BHC (Lindane)	2,500	ug/kg	< 0.27 U	< 0.26 U	< 0.28 U	< 0.26 U	< 0.25 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.24 U	< 0.26 U	< 0.24 U	< 0.26 U
Heptachlor	630	ug/kg	< 0.40 U	< 0.38 U F1	< 0.41 U	< 0.39 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.36 U	< 0.38 U
Heptachlor epoxide	330	ug/kg	< 0.45 U	< 0.43 U	< 0.46 U	< 0.43 U	< 0.42 U	< 0.41 U	< 0.41 U	< 0.43 U	< 0.41 U	< 0.43 U	< 0.41 U	< 0.43 U
4,4'-DDD	2,500	ug/kg	< 1.0 U	< 0.98 U	1.4 J	< 0.99 U	< 0.97 U	< 0.93 U	< 0.93 U	< 0.98 U	< 0.93 U	< 0.97 U	< 0.93 U	< 0.98 U
4,4'-DDE	9,300	ug/kg	< 0.89 U	< 0.86 U	< 0.92 U	< 0.87 U	< 0.85 U	< 0.81 U	< 0.81 U	< 0.88 U	< 0.82 U	< 0.85 U	< 0.82 U	< 0.85 U
4,4'-DDT	8,500	ug/kg	< 1.0 U	< 0.97 U	< 1.0 U	< 0.98 U	< 0.96 U	< 0.92 U	< 0.92 U	< 0.97 U	< 0.92 U	< 0.96 U	< 0.92 U	< 0.96 U
Toxaphene	2100	ug/kg	< 18 U	< 17 U	< 18 U	< 17 U	< 17 U	< 16 U	< 16 U	< 17 U	< 16 U	< 17 U	< 16 U	< 17 U
2,4,5-T	NVL	ug/kg	< 0.96 U	< 0.93 U	< 1.0 U	< 0.92 U	< 0.92 U	< 0.88 U	< 0.88 U	< 0.92 U	< 0.87 U	< 0.92 U	< 0.87 U	< 0.92 U
2,4-D	960,000	ug/kg	< 15 U	< 15 U	< 16 U	< 15 U	< 15 U	< 14 U	< 14 U	< 15 U	< 14 U	< 15 U	< 14 U	< 15 U
2,4-DB	NVL	ug/kg	< 15 U	< 15 U	< 16 U	< 15 U	< 15 U	< 14 U	< 14 U	< 15 U	< 14 U	< 15 U	< 14 U	< 15 U
Dalapon	2,500,000	ug/kg	< 63 U	< 61 U	< 65 U	< 60 U	< 60 U	< 57 U	< 57 U	< 60 U	< 57 U	< 60 U	< 57 U	< 60 U
Dicamba	NVL	ug/kg	< 18 U	< 17 U	< 19 U	< 17 U	< 17 U	< 16 U	< 16 U	< 17 U	< 16 U	< 17 U	< 16 U	< 17 U
Dichloroprop	NVL	ug/kg	< 12 U	< 11 U	< 12 U	< 11 U	< 11 U	< 10 U	< 11 U	< 11 U	< 10 U	< 11 U	< 10 U	< 11 U
Dinoseb	82,000	ug/kg	< 12 U *	< 11 U F1, cn	< 12 U *	< 11 U *	< 11 U *	< 10 U *	< 11 U *	< 11 U *	< 10 U *	< 11 U *	< 10 U *	< 11 U *
MCPA	NVL	ug/kg	< 980 U	< 940 U	< 1000 U	< 930 U	< 890 U	< 890 U	< 890 U	< 930 U	< 890 U	< 930 U	< 890 U	< 930 U
MCPP	NVL	ug/kg	< 4900 U	< 4700 U	< 5100 U	< 4700 U	< 4700 U	< 4400 U	< 4400 U	< 4700 U	< 4400 U	< 4700 U	< 4400 U	< 4700 U
Pentachlorophenol	NVL	ug/kg	< 0.42 U	< 0.41 U	< 0.44 U	< 0.40 U	< 0.40 U	< 0.38 U	< 0.39 U	< 0.40 U	< 0.38 U	< 0.40 U	< 0.38 U	< 0.40 U
2,4,5-TP (Silvex)	660,000	ug/kg	< 1.1 U	< 1.0 U	< 1.1 U	< 1.0 U	< 1.0 U	< 0.96 U	< 0.96 U	< 1.0 U	< 0.96 U	< 1.0 U	< 0.96 U	< 1.0 U
cis-Chlordane	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-Chlordane	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	410,000	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

MS/MSD = matrix spike/matrix spike duplicate

NVL = No value listed

n.o.s. = not otherwise specified

++ = LCS and/or LCSD is outside acceptance limits, high biased

* = LCS and/or LCSD is outside acceptance limits, low biased

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.

NA = Sample not submitted for specified method

< = Analyte not detected, value represents method detection limit.

cn = See case narrative

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Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

Source													
Parameter	MDE Non-Residential Cleanup Standard	Units	ERM Addtl. Investigation (2025)										
			Location ID	SWBS-2	SWBS-2	SWBS-2	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3	SWBS-3
			Depth (ft)	2-5	2-5	10-15	15-20	0-2	0-2	2-5	2-5	7-5	5-10
			Sample ID	SWBS-2-2-5	SWBS-2-5-10	SWBS-2-10-15	SWBS-2-15-20	SWBS-3-0-2	SWBS-3-2-5	DUP-3	SWBS-3-5-10	SWBS-3-10-15	SWBS-3-15-18
Sample Date	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025	2/12/2025		
Aldrin	180	ug/kg	0.88 J cn	<0.42 U	<0.50 U	<0.44 U cn	<4.4 U cn	<4.3 U cn	<0.44 U	<0.48 U	<0.49 U		
Alpha-BHC	360	ug/kg	<0.46 U cn	<0.45 U	<0.52 U	<0.46 U cn	<4.6 U cn	<4.6 U cn	<0.46 U	<0.51 U	<0.51 U		
Beta-BHC	1,300	ug/kg	<0.54 U cn	<0.52 U	<0.61 U	<0.53 U cn	<5.3 U cn	<5.3 U cn	<0.53 U	<0.59 U	<0.59 U		
Chlordane (n.o.s.)	7,700	ug/kg	<4.9 U cn	<4.7 U	<5.5 U	<4.8 U cn	<48 U cn	<48 U cn	<4.8 U	<5.4 U	<5.4 U		
Delta-BHC	2,500	ug/kg	<0.55 U cn	<0.53 U	<0.62 U	<0.54 U cn	<5.4 U cn	<5.4 U cn	<0.55 U	<0.61 U	<0.61 U		
Dieldrin	140	ug/kg	<0.39 U cn	<0.39 U	<0.40 U	<0.40 U cn	<4.0 U F1 F2 cn	<4.0 U cn	<0.40 U	<0.45 U	<0.45 U		
Endosulfan I	NVL	ug/kg	<0.27 U cn	<0.26 U	<0.30 U	<0.27 U	13 F1 cn	<2.7 U cn	<0.27 U	<0.30 U	<0.30 U		
Endosulfan II	NVL	ug/kg	<1.3 U cn	<1.3 U	<1.5 U	2.4 J cn	28 F1 cn	<13 U cn	<1.3 U	<1.5 U	<1.5 U		
Endosulfan Sulfate	NVL	ug/kg	<0.48 U cn	<0.46 U	<0.54 U	<0.48 U cn	<4.8 U cn	<4.8 U cn	<0.48 U	<0.53 U	<0.53 U		
Endrin	25,000	ug/kg	<0.83 U cn	<0.80 U	<0.94 U	<0.82 U cn	<8.2 U cn	<8.2 U cn	<0.82 U	<0.92 U	<0.92 U		
Endrin aldehyde	NVL	ug/kg	<1.0 U cn	<1.0 U	<1.2 U	<1.0 U cn	<10 U cn	<10 U cn	<1.0 U	<1.1 U	<1.1 U		
Gamma-BHC (Lindane)	2,500	ug/kg	<0.26 U cn	<0.25 U	<0.29 U	<1.0 U p cn	<10 U p F1 F2 cn	<2.5 U cn	<0.25 U	<0.28 U	<0.28 U		
Heptachlor	630	ug/kg	<0.38 U cn	<0.36 U	<0.43 U	<0.37 U cn	<3.7 U F1 F2 cn	<3.7 U cn	<0.38 U	<0.42 U	<0.42 U		
Heptachlor epoxide	330	ug/kg	0.63 J cn	<0.41 U	<0.48 U	3.8 cn	48 cn	9.2 J cn	<0.42 U	<0.47 U	<0.47 U		
4,4'-DDD	2,500	ug/kg	<0.98 U cn	<0.94 U	<1.1 U	<0.97 U cn	<9.7 U cn	<9.7 U cn	<0.97 U	<1.1 U	<1.1 U		
4,4'-DDE	9,300	ug/kg	1.4 J cn	<0.82 U	<0.97 U	<0.85 U cn	<8.5 U cn	<8.4 U cn	<0.85 U	<0.94 U	<0.94 U		
4,4'-DDT	8,500	ug/kg	<0.96 U cn	<0.93 U	<1.1 U	<0.96 U cn	<9.6 U F1 cn	<9.5 U cn	<0.96 U	<1.1 U	<1.1 U		
Toxaphene	2100	ug/kg	<17 U cn	<16 U	<19 U	<17 U cn	<170 U cn	<170 U cn	<17 U	<19 U	<19 U		
2,4,5-T	NVL	ug/kg	<0.92 U cn	<0.88 U cn	<1.1 U H	<1.0 U	<0.98 U F1 F2	<0.99 U	<0.98 U cn	<1.1 U cn	<1.1 U		
2,4-D	960,000	ug/kg	<15 U cn	<14 U cn	<17 U H	<15 U	<14 U F1	<14 U	<14 U cn	<16 U cn	<16 U		
2,4-DB	NVL	ug/kg	<15 U cn	<14 U cn	<17 U H	<15 U	<14 U F1	<14 U	<14 U cn	<16 U cn	<16 U		
Dalapon	2,500,000	ug/kg	<60 U cn	<58 U cn	<68 U H	<60 U	<59 U	<59 U	<59 U cn	<67 U cn	<67 U		
Dicamba	NVL	ug/kg	<17 U cn	<17 U cn	<19 U H	<17 U	<17 U	<17 U	<17 U cn	<19 U cn	<19 U		
Dichloroprop	NVL	ug/kg	<11 U *	<11 U *	<12 U H	<11 U	<11 U F1	<11 U	<11 U cn	<12 U cn	<12 U		
Dinoseb	82,000	ug/kg	<11 U *	<11 U *	<12 U H *	<11 U *	<11 U F1	<11 U	<11 U cn	<12 U cn	<12 U		
MCPA	NVL	ug/kg	<940 U cn	<900 U cn	<1100 U H	<930 U	<910 U F1 F2 cn	<920 U cn	<910 U cn	<1000 U cn	<1000 U		
MCPP	NVL	ug/kg	<4700 U cn	<4500 U cn	<5300 U H	<4600 U	<4600 U F1	<4600 U cn	<4600 U cn	<5200 U cn	<5100 U		
Pentachlorophenol	NVL	ug/kg	<0.41 U cn	<0.39 U cn	<0.46 U H	<0.40 U	<0.40 U F1	<0.40 U	<0.40 U	<0.45 U	<0.45 U		
2,4,5-TP (Silvex)	660,000	ug/kg	<1.0 U cn	<0.97 U cn	<1.0 U H	<0.92 U	<0.90 U F1	<0.91 U	<0.90 U cn	<1.0 U cn	<1.0 U		
cis-Chlordane	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA		
trans-Chlordane	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Endrin ketone	NVL	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methoxychlor	410,000	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA		

NOTES:

MS/MSD = matrix spike/matrix spike duplicate

Soil Cleanup Standard

NVL = No value listed

n.o.s. = not otherwise specified

++ = LCS and/or LCSD is outside acceptance limits, high biased

* = LCS and/or LCSD is outside acceptance limits, low biased

J = Result is less than reporting limit but greater than

method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are

less than 5 times RL, and the absolute difference between results is <

the upper reporting limits for both.

NA = Sample not submitted for

specified method

< = Analyte not detected, value represents method detection limit.

cn = See case narrative

3/15/2025 (10-17-1693.1)

11/16/2025 (10-17-1693.1)

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11/16/2025 (10-17-1693.1)

Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

[illegible]

NOTES:	MS/MSD = matrix spike/matrix spike duplicate	Exceeds MDE Non-Residential Soil Cleanup Standard
NVL = No value listed n.o.s. = not otherwise specified	MS and/or MSD exceeds acceptance limits, high biased	
** = LCS and/or LCSd is outside acceptance limits, low biased		
J = Result is less than reporting limit but greater than method detection limit		
F1 = MS and/or MSD recovery exceeds control limits		
F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 3 times RL, and the absolute difference between results is > the upper reporting limits for both.		
	NA	Sample not submitted for specified method
< =	Analyte not detected, value represents method detection limit.	
CH =	See case narrative	
5/13/2024 (410-171693-1)		
p: The % RPD between the primary and confirmation column/detector is > 40%. The lower value has been reported.		

Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

ERM Phase II ESA (Bauxite 3) 2024														
Parameter	Location ID	RB1-20N	RB1-20S	RB2-0	RB3-20N	RB3-20S	RB4-0	RB5-20N	RB5-20S	RB6-0	RB7-20N			
	Depth (ft)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5		
	Sample ID	RB-1-20N-0-0.5	RB-1-20S-0-0.5	RB-2-0-0-0.5	RB-3-20N-0-0.5	RB-3-20S-0-0.5	RB-4-0-0-0.5	RB-5-20N-0-0.5	RB-5-20S-0-0.5	RB-6-0-0-0.5	RB-7-20N-0-0.5			
	Sample Date	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/13/2024	5/14/2024	5/14/2024	5/14/2024	5/14/2024			
	Units													
MDE Non-Residential Cleanup Standard	Aldrin	ug/kg	< 0.98 cn	< 4.4 cn	< 20 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 21 cn	< 19 cn		
	Alpha-BHC	ug/kg	< 0.98 cn	< 4.4 cn	< 20 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 21 cn	< 19 cn		
	Beta-BHC	ug/kg	< 1.2 cn	< 5.3 cn	< 24 cn	< 5.6 cn	< 6.2 cn	< 59 cn	< 270 cn	< 6.4 cn	< 25 cn	< 23 cn		
	Chlordane (n.o.s.)	ug/kg	< 20 cn	< 90 cn	< 410 cn	< 94 cn	< 100 cn	< 1000 cn	< 4600 cn	< 110 cn	< 420 cn	< 390 cn		
	Delta-BHC	ug/kg	< 1.2 cn	< 5.3 cn	< 20 cn	< 5.6 cn	< 6.2 cn	< 59 cn	< 270 cn	< 6.4 cn	< 21 cn	< 19 cn		
	Dieldrin	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 39 cn	< 19 cn		
	Endosulfan I	ug/kg	< 0.98 cn	< 4.4 cn	< 20 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 21 cn	< 19 cn		
	Endosulfan II	ug/kg	< 2.7 cn	< 12 cn	< 55 cn	< 13 cn	< 14 cn	< 140 cn	< 620 cn	< 15 cn	< 57 cn	< 52 cn		
	Endosulfan Sulfate	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	Endrin	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	Endrin aldehyde	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	Gamma-BHC (Lindane)	ug/kg	< 0.98 cn	< 4.4 cn	< 24 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 25 cn	< 23 cn		
	Heptachlor	ug/kg	< 0.98 cn	< 4.4 cn	< 20 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 21 cn	< 19 cn		
	Heptachlor epoxide	ug/kg	< 0.98 cn	< 4.4 cn	< 20 cn	< 4.6 cn	< 5.1 cn	< 49 cn	< 220 cn	< 5.3 cn	< 21 cn	< 19 cn		
	4,4'-DDD	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	4,4'-DDE	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	4,4'-DDT	ug/kg	< 2.0 cn	< 9.0 cn	< 41 cn	< 9.4 cn	< 10 cn	< 100 cn	< 460 cn	< 11 cn	< 42 cn	< 39 cn		
	Toxaphene	ug/kg	< 39 cn	< 170 cn	< 790 cn	< 180 cn	< 200 cn	< 2000 cn	< 8900 cn	< 210 cn	< 820 cn	< 750 cn		
		2,4,5-T	ug/kg	< 5.0 cn	< 1.8 cn	< 2.0	< 1.9 cn	< 2.1 cn	< 10 cn	2.1 J	< 2.2	< 10 cn	< 9.6 cn	
		2,4-D	ug/kg	< 110	< 38 cn	< 43	< 40 cn	< 45	< 210 cn	< 49	< 46	< 220 cn	< 200 cn	
2,4-DB		ug/kg	< 73 cn	< 26 cn	< 30 cn	< 28 cn	< 31 cn	< 150 cn	< 34	< 32	< 150 cn	< 140 cn		
Dalapon		ug/kg	< 290 **	< 110 **	< 120 **	< 110 **	< 120 **	< 600 **	< 140	< 130 **	< 620 cn	< 560 cn		
Dicamba		ug/kg	< 85	< 31 cn	< 35	< 32 cn	< 36	< 170 cn	< 39	< 37	< 180 cn	< 160 cn		
Dichloroprop		ug/kg	< 59	< 21 cn	< 24	< 22 cn	< 25	< 120 cn	< 27	< 31	< 120 cn	< 110 cn		
Dinoseb		ug/kg	< 70 **	< 9.5 **	< 11 *	< 27 **	< 30 **	< 140 **	< 33	< 12	< 150 cn	< 130 cn		
MCPA		ug/kg	< 2,200	< 2,600 cn	< 3,000	< 2,800 cn	< 3,100	< 15,000 cn	< 3,400	< 3,200	< 15,000 cn	< 14,000 cn		
MCPP		ug/kg	< 23,000	< 8,100 cn	< 9,200	< 8,600 cn	< 9,500	< 46,000 cn	< 10,000	< 9,900	< 47,000 cn	< 43,000 cn		
Pentachlorophenol		ug/kg	< 0.97	< 1.8 cn	1.2 J	< 1.9 cn	0.60	4.4 J	< 2.3	< 2.2	2.8 J	< 9.6 cn		
	2,4,5-TP (Silvex)	ug/kg	< 5.0	< 1.8 cn	< 2.0	< 1.9 cn	< 2.1	< 10 cn	< 2.3	< 2.2	< 10 cn	< 9.6 cn		
	cis-Chlordane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	trans-Chlordane	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Endrin ketone	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Methoxychlor	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

NOTES:

MS/MSD = matrix spike/matrix spike duplicate
Soil Cleanup Standard
NVL = No value listed
n.o.s. = not otherwise specified
** = LCS and/or LCSD is outside acceptance limits, high biased
* = LCS and/or LCSD is outside acceptance limits, low biased
J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits
F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
NA = Sample not submitted for specified method
< = Analyte not detected, value represents method detection limit.
cn = See case narrative 5/15/24 (161693.1)
J = 100% RPD, the primary and confirmation column/detector is >40%. The lower value has been reported.

Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

Source	ERM Phase II ESA (Bauxite 3) 2024					GTA Phase II ESA 2022										
	Location ID	RB7-205	DUP-7			SA1-F	SA1-H	SA2-E	SA4-E	SA4-F	SA4-G	SA4-H	SA4-I	SA4-J	SA4-K	
	Depth (ft)	0-0.5	0-0.5	0-0.5	0-0.5	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	
Parameter	Units	RB-7-205-0-0.5				9/8/2022										
		Sample ID	RB-7-205-0-0.5	RB-7-205-0-0.5	RB-7-205-0-0.5	9/9/2022	9/9/2022	9/9/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022
MDE Non-Residential Cleanup Standard		Sample Date	5/14/2024	5/14/2024	5/14/2024	9/9/2022	9/9/2022	9/9/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	
Aldrin	ug/kg	< 10 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Alpha-BHC	ug/kg	< 10 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Beta-BHC	ug/kg	< 12 cn	< 61 cn	< 61 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Chlordane (n.o.s.)	ug/kg	< 210 cn	< 1000 cn	< 1000 cn	< 110	< 120	< 130	< 110	< 110	< 110	< 112	< 100	< 110	< 4.2	< 4.6	
Delta-BHC	ug/kg	< 12 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Dieldrin	ug/kg	< 21 F1 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endosulfan I	ug/kg	< 10 F1 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endosulfan II	ug/kg	< 29 cn	< 140 cn	< 140 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endosulfan Sulfate	ug/kg	< 21 F1 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endrin	ug/kg	< 21 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endrin aldehyde	ug/kg	< 21 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Gamma-BHC (Lindane)	ug/kg	< 10 cn	< 51 cn	< 51 cn	NA	NA	NA	NA	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Heptachlor	ug/kg	< 10 F1 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Heptachlor epoxide	ug/kg	< 10 cn	< 51 cn	< 51 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
4,4'-DDD	ug/kg	< 21 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
4,4'-DDE	ug/kg	< 21 cn	< 100 cn	< 100 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
4,4'-DDT	ug/kg	< 210 cn	< 1000 cn	< 1000 cn	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Toxaphene	ug/kg	< 410 cn	< 2000 cn	< 2000 cn	< 100	< 120	< 130	< 110	< 110	< 110	< 112	< 100	< 110	< 110	< 110	
2,4,5-T	ug/kg	< 11 cn	< 10 cn	< 10 cn	< 20	< 22	< 24	< 21	< 23	< 23	< 23	< 20	< 22	< 20	< 22	
2,4-D	ug/kg	< 220 cn	< 960,000	< 960,000	< 200	< 220	< 230	< 210	< 230	< 230	< 230	< 20	< 210	< 200	< 210	
2,4-DB	ug/kg	< 160 cn	< 150 cn	< 150 cn	< 210	< 220	< 230	< 210	< 230	< 230	< 230	< 20	< 220	< 210	< 210	
Dalapon	ug/kg	< 620 cn	< 620 cn	< 620 cn	< 490	< 530	< 570	< 500	< 550	< 550	< 550	< 470	< 520	< 490	< 520	
Dicamba	ug/kg	< 180 cn	< 180 cn	< 180 cn	< 20	< 22	< 24	< 21	< 23	< 23	< 23	< 20	< 21	< 20	< 21	
Dichloroprop	ug/kg	< 120 cn	< 120 cn	< 120 cn	< 200	< 220	< 230	< 210	< 230	< 230	< 230	< 20	< 210	< 200	< 210	
Dinoseb	ug/kg	< 150 cn	< 150 cn	< 150 cn	< 100	< 110	< 120	< 100	< 110	< 110	< 112	< 99	< 110	< 100	< 110	
MCPA	ug/kg	< 16,000 cn	< 15,000 cn	< 15,000 cn	< 23,000	< 22,000	< 23,000	< 21,000	< 22,000	< 22,000	< 22,000	< 19,000	< 21,000	< 20,000	< 21,000	
MCPP	ug/kg	< 48,000 cn	< 48,000 cn	< 48,000 cn	< 23,000	< 22,000	< 23,000	< 21,000	< 23,000	< 23,000	< 23,000	< 20,000	< 21,000	< 20,000	< 21,000	
Pentachlorophenol	ug/kg	< 11 cn	< 10 cn	< 10 cn	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,4,5-TP (Silvex)	ug/kg	< 11 cn	< 10 cn	< 10 cn	< 20	< 22	< 24	< 21	< 23	< 23	< 23	< 20	< 22	< 20	< 22	
cis-Chlordane	ug/kg	NA	NA	NA	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
trans-Chlordane	ug/kg	NA	NA	NA	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Endrin ketone	ug/kg	NA	NA	NA	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	
Methoxychlor	ug/kg	NA	NA	NA	< 4.2	< 4.7	< 5.3	< 4.2	< 4.6	< 4.6	< 4.9	< 4.1	< 4.6	< 4.2	< 4.6	

NOTES:

MS/MSD = matrix spike/matrix spike duplicate

NVL = No value listed

n.o.s. = not otherwise specified

++ = LCS and/or LCSD is outside acceptance limits, high biased

*- = LCS and/or LCSD is outside acceptance limits, low biased

J = Result is less than reporting limit but greater than

method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are

less than 5 times RL, and the absolute difference between results is <

the upper reporting limits for both.

NA = Sample not submitted for

specified method

< = Analyte not detected, value represents method detection limit.

cn = See case narrative

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Table 5
Soil Data - Pesticides/Herbicides
Bauxite III Data
Frederick, MD

Source		GTA Phase II ESA 2022							
Parameter	Location ID	SA4-M	SA4-N	SA4-O	SA7-J	SA7-K	SA10-A		
	Depth (ft)	0-1	0-1	0-1	0-1	0-1	0-1		
	Sample ID								
	Sample Date	9/8/2022	9/8/2022	9/8/2022	9/9/2022	9/9/2022	9/9/2022		
MDE Non-Residential Cleanup Standard	Units								
Aldrin	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Alpha-BHC	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Beta-BHC	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Chlordane (n.o.s.)	ug/kg	< 110	<5.0	<4.8	< 130	< 53	< 4.7		
Delta-BHC	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Dieldrin	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endosulfan I	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endosulfan II	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endosulfan Sulfate	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endrin	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endrin aldehyde	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Gamma-BHC (Lindane)	ug/kg	NA	<5.0	<4.8	< 5.1	< 21	< 4.7		
Heptachlor	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Heptachlor epoxide	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
4,4'-DDD	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
4,4'-DDE	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
4,4'-DDT	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Toxaphene	ug/kg	< 110	< 120	< 120	< 130	< 53	< 120		
2,4,5-T	ug/kg	< 22	< 22	< 25	< 23	< 21	< 22		
2,4-D	ug/kg	< 220	< 220	< 240	< 230	< 210	< 220		
2,4-DB	ug/kg	< 220	< 230	< 250	< 230	< 210	< 230		
Dalepon	ug/kg	< 520	< 540	< 590	< 550	< 510	< 530		
Dicamba	ug/kg	< 21	< 22	< 24	< 23	< 21	< 22		
Dichloroprop	ug/kg	< 210	< 220	< 240	< 230	< 210	< 220		
Dinoseb	ug/kg	< 110	< 110	< 120	< 120	< 110	< 110		
MCPA	ug/kg	< 21,000	< 22,000	< 24,000	< 23,000	< 210	< 22,000		
MCPP	ug/kg	< 21,000	< 22,000	< 24,000	< 23,000	< 210	< 22,000		
Pentachlorophenol	ug/kg	NA	NA	NA	NA	NA	NA		
2,4,5'-TP (Silvex)	ug/kg	< 22	< 22	< 24	< 23	< 21	< 22		
cis-Chlordane	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
trans-Chlordane	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Endrin ketone	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		
Methoxychlor	ug/kg	< 4.4	<5.0	<4.8	< 5.1	< 21	< 4.7		

NOTES:

MS/MSD = matrix spike/matrix spike duplicate
 NVL = No value listed

n.o.s. = not otherwise specified

++ = LCS and/or LCSD is outside acceptance limits, high biased

*- = LCS and/or LCSD is outside acceptance limits, low biased

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F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.

NA Sample not submitted for specified method

< = Analyte not detected, value represents method detection limit.

cn = See case narrative

5/15/2022 10:17:05 3.1

By 11/16/2022, the primary and confirmation column/detector

is >40%. The lower value has been reported.

Table 6
Groundwater - TCL VOCs
Bauxite III Historical Data
Frederick, MD

Parameter	Type I and II Aquifers	Location ID		MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4	MW-5	MW-5
		Sample ID	Sample Date	MW-1-Bauxite3- May2024	MW-2-Bauxite3- May2024	GW-DUP-1 (MW-2)	MW-2-Bauxite 3-March 2025	GW-DUP-1 3/3/2025	MW-3-Bauxite3- 3-March 2025	MW-3-Bauxite3- May2024	MW-4-Bauxite3- 3-March 2025	MW-4-Bauxite3- 5/21/2024	MW-5-Bauxite3- May2024	MW-5-Bauxite3- 3/3/2025	
				5/20/2024	5/21/2024	5/21/2024	3/3/2025	3/3/2025	5/21/2024	3/3/2025	5/21/2024	3/3/2025	5/31/2024	3/3/2025	
Acetone	1,400	ug/L	< 20 cn	1.0 J	< 20	< 20	< 20	< 20	< 20	1.7 J cn	< 20	< 20	< 20	< 20	< 20
Benzene	50	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane (THM)	80	ug/L	< 1.0	< 1.0 cn	< 1.0 cn	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform (THM)	80	ug/L	< 4.0	< 4.0 cn	< 4.0 cn	< 4.0 cn	< 4.0	< 4.0	< 4.0	< 4.0 cn	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane	0.75	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (Methyl Ethyl Ketone)	560	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.0	< 10	< 10	< 10	< 10	< 10
Carbon Disulfide	81	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 cn	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	50	ug/L	< 1.0	< 1.0 cn	< 1.0 cn	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	100	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	80	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	19	ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Cumene (Isopropylbenzene)	45	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 cn	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	80	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromomethane	0.050	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	2.60	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	50	ug/L	< 1.0	< 1.0 cn	< 1.0 cn	< 1.0 cn	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Trichloroethylene	3.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethylene	70	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethylene	100	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropane	50	ug/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethyl Chloride (chloroethane)	2100	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	700	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	630	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride (Dichloromethane)	50	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl tert-butyl ether (MTBE)	20	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	5.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	0.51 J
1,1,2,2-Tetrachloroethane	0.076	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	1,000	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	200	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	50	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	2.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	10,000	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	50.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	75	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	NVL	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cyclohexane¹	4.0	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	NVL	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone¹	38	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Freon 113	NVL	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl acetate¹	20,000	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.40 J	< 5.0	< 5.0
1,2-Dichlorobenzene	600	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-Chloropropane	0.20	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	70	ug/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-dichloropropene¹	0.47	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene¹	0.47	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane¹	5,200	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	NVL	ug/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes	Exceeds MDE Groundwater Cleanup Standard Sample not submitted for specified method
NVL = No value listed	
Parameters measured against Table 1 - Generic Numeric Cleanup Standards for Groundwater and Soil as presented in the State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, October 2018, Interim Final Guidance, Update No. 3	
LEPA Risk-based Screening Level (November 2023):	
J = Result is not detected. Value represents reporting limit.	
K = Result is less than the reporting limit but greater than or equal to the method detection limit and the interpretation is approximate value.	
F1 = MS and/or MSD recovery exceeds control limits.	
F2 = MS/MSD RPD exceeds control limits.	
CG = See Case Narrative	
Wells MW-1, MW-7 and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling	

Table 6
Groundwater - TCL VOCs
Bauxite III Historical Data
Frederick, MD

Location ID		MW-6	MW-6	MW-7	MW-8
Sample ID		MW-6-Bauxite3- May 2024		MW-7-Bauxite3- May 2024	MW-8-Bauxite3- May 2024
Sample Date		5/21/2024		5/20/2024	5/20/2024
Parameter	Type I and II Units				
Acetone	Aqueous 1,400				
Benzene	ug/L	< 20	< 20	< 20 cn	< 20 cn
Bromochloromethane (THM)	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Bromofom (THM)	ug/L	< 1.0 cn	< 1.0	< 1.0	< 1.0
Bromomethane	ug/L	< 4.0 cn	< 4.0	< 4.0	< 4.0
2-Butanone (Methyl Ethyl Ketone)	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/L	< 1.0 cn	< 1.0	< 1.0	< 1.0
Chloromethane	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Cumene (Isopropylbenzene)	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
Dibromochloromethane	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	ug/L	< 1.0 cn	< 1.0	< 1.0	< 1.0
1,1-Dichloroethylene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
1,2-Dichloropropane	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethyl Chloride (Chloroethane)	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride (Dichloromethane)	ug/L	< 10	< 10	< 10	< 10
Methyl tert-butyl ether (MTBE)	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/L	< 5.0	< 5.0	< 5.0 F1 F2	< 5.0
1,1,2,2-Tetrachloroethane	ug/L	< 1.0	< 1.0	0.71 J	< 1.0
Toluene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/L	< 1.0 cn	< 1.0	< 1.0	< 1.0
Vinyl Chloride	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	NVL	< 5.0	< 5.0	< 5.0	< 5.0
Cyclohexane¹	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	NVL	< 5.0	< 5.0	< 2.0	< 5.0
2-Hexanone¹	ug/L	< 10	< 10 cn	< 10	< 10
Freon 113	NVL	< 10	< 10	< 10	< 10
Methyl acetate¹	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-Chloropropane	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-dichloropropene¹	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene¹	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane¹	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	NVL	< 1.0	< 1.0	< 1.0 cn	< 1.0 cn

Notes

	Exceeds MDE Groundwater Cleanup Standard
NA	Sample not submitted for specified method

NVL = No value listed
Parameters measured against Table 1 - Generic Numeric Cleanup Standards for Groundwater and Soil as presented in the State of Maryland Dept. of the Environment Cleanup Standards for Soil and Groundwater, October 2018, Interim Final Guidance, Update No. 3
¹EPA Risk-Based Screening Level (November 2023).
< = Analyte not detected. Value represents reporting limit.
J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits.
cn = See Case Narrative
Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling activities.

Table 7
Groundwater Data - PAHs
Bauxite III Historical Data
Frederick, MD

Parameter	Location ID		Sample ID		Sample Date		Units		Type I and II	
	Sample ID		Sample Date		Units		Type I and II		Sample Date	
	Sample ID		Sample Date		Units		Type I and II		Sample Date	
Acenaphthene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Acenaphthylene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Anthracene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Benzo[a]anthracene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Benzo[a]pyrene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Benzo[b]fluoranthene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Benzo[g,h,i]perylene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Chrysene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Dibenzol[a,h]anthracene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Fluoranthene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Fluorene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Indeno[1,2,3-cd]pyrene*	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Naphthalene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Phenanthrene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1
Pyrene	MW-1	MW-1-Bauxite3-May 2024	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1	MW-2	MW-2-Bauxite3-May 2024	MW-2-DUP-1	MW-2-DUP-1

Notes

Exceeds MDE Groundwater
Cleanup Standard
Sample not submitted for
specified method

NVL = No value listed

*Carcinogenic chemicals with a Mutagenic Mode of Action (MOA)

< = Analyte not detected. Value represents reporting limit

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling efforts.

Table 7
Groundwater Data - PAHs
Bauxite III Historical Data
Frederick, MD

Parameter	Type I and II		Location ID							
	Aquifers	Units	Sample ID		Sample Date		MW-5		MW-6	
			Bauxite3-May 2024		5/21/2024		MW-5-Bauxite3-May 2025		MW-6-Bauxite3-May 2024	
Acenaphthene	53	ug/L								
Acenaphthylene	NVL	ug/L								
Anthracene	180	ug/L								
Benzo[a]anthracene*	0.03	ug/L								
Benzo[a]pyrene*	0.2	ug/L								
Benzo[b]fluoranthene*	0.25	ug/L								
Benzo[g,h,i]perylene	NVL	ug/L								
Benzo[k]fluoranthene*	2.5	ug/L								
Chrysene*	0.025	ug/L								
Dibenzol[a,h]anthracene*	80	ug/L								
Fluoranthene	29	ug/L								
Indeno[1,2,3-cd]pyrene*	0.25	ug/L								
Naphthalene	0.17	ug/L								
Phenanthrene	12	ug/L								
Pyrene	12	ug/L								

Notes

	Exceeds MDE Groundwater Cleanup Standard
NA	Sample not submitted for specified method

NVL = No value listed

*Carcinogenic chemicals with a Mutagenic Mode of Action (MOA)

< = Analyte not detected. Value represents reporting limit

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling efforts.

Table 8
Groundwater Data - Inorganics
Bauxite III Historical Data
Frederick, MD

Parameter	Type I and II Aquifers	Location ID		Sample Date	Units	MW-2							
		MW-1-Bauxite3- May2024	MW-2			MW-2-DUP-1 GW-DUP-1	MW-2-Bauxite3- May2025	MW-2	MW-3	MW-3-Bauxite3- May2025	MW-4		
		MW-1 May2024	MW-2 5/21/2024			MW-2 5/21/2024	MW-2 3/3/2025	MW-2 3/3/2025	MW-3 5/21/2024	MW-3 3/3/2025	MW-4 May2024	MW-4-Bauxite3- May2025	
Total Inorganics (unfiltered)													
Antimony	0.006				mg/L	< 0.001	0.0011	NA	NA	< 0.0010	NA	< 0.0010	NA
Arsenic	0.01				mg/L	< 0.002	0.0045	NA	NA	< 0.0020	NA	0.0018 J	NA
Beryllium	0.004				mg/L	< 0.00050	< 0.00050	NA	NA	< 0.00050	NA	0.00020 J	NA
Cadmium	0.005				mg/L	< 0.0005	< 0.00050	NA	NA	< 0.00050	NA	< 0.00050	NA
Total Chromium	0.1				mg/L	< 0.002	0.0042	NA	NA	< 0.0020	NA	< 0.002	NA
Chromium (VI)	0.000035				mg/L	< 0.030	< 0.030	NA	NA	< 0.030	NA	< 0.030	NA
Copper	1.3				mg/L	0.0028	0.0017	NA	NA	0.00040 J	NA	< 0.0010	NA
Lead	0.015				mg/L	0.00018 J	< 0.00050	NA	NA	< 0.00050	NA	< 0.00052	NA
Mercury	0.002				mg/L	< 0.00020	< 0.00020	NA	NA	< 0.00020	NA	< 0.00020	NA
Nickel	0.039				mg/L	< 0.001	< 0.0010	NA	NA	0.0026	NA	0.00058 J	NA
Selenium	0.05				mg/L	< 0.001	0.0026	NA	NA	0.00029 J	NA	< 0.0010	NA
Silver	0.0094				mg/L	< 0.00050	< 0.00050	NA	NA	< 0.00050	NA	< 0.00052	NA
Thallium	0.002				mg/L	< 0.00050	< 0.00050	NA	NA	< 0.00050	NA	< 0.00052	NA
Zinc	0.6				mg/L	< 0.01	< 0.010	NA	NA	< 0.010	NA	< 0.010	NA
Fluoride ¹	4				mg/L	0.65 J	68	47	53	0.54 J	0.38	13	14
Cyanide	0.2				mg/L	< 0.010	0.011	NA	NA	< 0.010	NA	0.016	NA
Dissolved Inorganics (filtered)													
Antimony	0.006				mg/L	< 0.001	0.0011	NA	NA	< 0.0010	NA	< 0.0010	NA
Arsenic	0.01				mg/L	< 0.0021	0.0045	NA	NA	< 0.0021	NA	0.0021	NA
Beryllium	0.004				mg/L	< 0.00052	< 0.00052	NA	NA	< 0.00052	NA	0.00023 J	NA
Cadmium	0.005				mg/L	< 0.00052	< 0.00052	NA	NA	< 0.00052	NA	< 0.00052	NA
Total Chromium	0.1				mg/L	< 0.021	0.0044	NA	NA	< 0.0021	NA	---	NA
Copper	1.3				mg/L	0.00062 J	0.0006 J	NA	NA	< 0.001	NA	< 0.001	NA
Lead	0.015				mg/L	< 0.00052	< 0.00052	NA	NA	< 0.00052	NA	< 0.00052	NA
Mercury	0.002				mg/L	< 0.00020	< 0.00020	NA	NA	< 0.00020	NA	< 0.00020	NA
Nickel	0.039				mg/L	< 0.001	< 0.0010	NA	NA	0.0028	NA	0.00062 J	NA
Selenium	0.05				mg/L	< 0.001	0.0026	NA	NA	< 0.001	NA	< 0.001	NA
Silver	0.0094				mg/L	< 0.00052	< 0.00052	NA	NA	< 0.00052	NA	< 0.00052	NA
Thallium	0.002				mg/L	< 0.00052	< 0.00052	NA	NA	< 0.00052	NA	< 0.00052	NA
Zinc	0.6				mg/L	< 0.01	< 0.010	NA	NA	< 0.010	NA	< 0.010	NA

Notes:

Exceeds MDE Groundwater Cleanup Standard

¹EPA Maximum Contaminant Level (MCL) for Fluoride.

< = Analyte not detected. Value represents method detection limit

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

NA = Sample not submitted for specified method
Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling efforts.

Table 8
Groundwater Data - Inorganics
Bauxite III Historical Data
Frederick, MD

Parameter	Type I and II Aquifers	Location ID		MW-5 May 2024 5/21/2024	MW-5-Bauxite3- May 2025 3/3/2025	MW-6 May 2024 5/21/2024	MW-6-Bauxite3- May 2025 3/3/2025	MW-7-Bauxite3- May 2024 5/20/2024	MW-8-Bauxite3- May 2024 5/20/2024
		Sample ID	Sample Date						
		Units							
Total Inorganics (unfiltered)									
Antimony	0.006	mg/L	< 0.0010	NA	< 0.0010	NA	< 0.0010	< 0.0010	< 0.0010
Arsenic	0.01	mg/L	< 0.0020	NA	< 0.0020	NA	< 0.0020	< 0.0020	< 0.0020
Beryllium	0.004	mg/L	< 0.00050	NA	< 0.0005	NA	< 0.00050	< 0.00050	< 0.00050
Cadmium	0.005	mg/L	< 0.00050	NA	< 0.0005	NA	< 0.00050	< 0.00050	< 0.00050
Total Chromium	0.1	mg/L	0.00077 J	NA	0.00098 J	NA	< 0.0020	0.00069 J	0.00069 J
Chromium (VI)	0.000035	mg/L	< 0.030	NA	< 0.030	NA	< 0.030	< 0.030	< 0.030
Copper	1.3	mg/L	0.0027	NA	0.00036 J	NA	0.00052 J	0.00056 J	0.00056 J
Lead	0.015	mg/L	0.00014 J	NA	< 0.00050	NA	< 0.00050	< 0.00050	< 0.00050
Mercury	0.002	mg/L	< 0.00020	NA	< 0.00020	NA	< 0.00020	< 0.00020	< 0.00020
Nickel	0.039	mg/L	< 0.0010	NA	< 0.0010	NA	0.00047 J	< 0.0010	< 0.0010
Selenium	0.05	mg/L	0.001	NA	< 0.0010	NA	< 0.0010	< 0.0010	< 0.0010
Silver	0.0094	mg/L	< 0.00052	NA	< 0.00050	NA	< 0.00050	< 0.00050	< 0.00050
Thallium	0.002	mg/L	< 0.00052	NA	< 0.00050	NA	< 0.00050	< 0.00050	< 0.00050
Zinc	0.6	mg/L	< 0.010	NA	< 0.010	NA	< 0.010	< 0.010	< 0.010
Fluoride ¹	4	mg/L	4.7	5.1	1.0	0.98	0.65 J F1	0.67 J	0.67 J
Cyanide	0.2	mg/L	< 0.010	NA	< 0.010	NA	< 0.010	< 0.010	< 0.010
Dissolved Inorganics (filtered)									
Antimony	0.006	mg/L	< 0.0010	NA	< 0.0010	NA	< 0.0010	< 0.0010	< 0.0010
Arsenic	0.01	mg/L	< 0.0021	NA	< 0.0021	NA	< 0.0021	< 0.0021	< 0.0021
Beryllium	0.004	mg/L	< 0.00052	NA	< 0.00052	NA	< 0.00052	< 0.00052	< 0.00052
Cadmium	0.005	mg/L	< 0.00052	NA	< 0.00052	NA	< 0.00052	< 0.00052	< 0.00052
Total Chromium	0.1	mg/L	0.00065 J	NA	0.00089 J	NA	< 0.0021	0.00078 J	0.00078 J
Copper	1.3	mg/L	0.001	NA	< 0.0010	NA	0.00050 J	0.0023	0.0023
Lead	0.015	mg/L	< 0.00052	NA	< 0.00052	NA	< 0.00052	0.00013 J	0.00013 J
Mercury	0.002	mg/L	< 0.00020	NA	< 0.00020	NA	< 0.00020	< 0.00020	< 0.00020
Nickel	0.039	mg/L	< 0.0010	NA	< 0.0010	NA	0.00041 J	< 0.0010	< 0.0010
Selenium	0.05	mg/L	0.00090 J	NA	< 0.0010	NA	< 0.0010	< 0.0010	< 0.0010
Silver	0.0094	mg/L	< 0.00052	NA	< 0.00052	NA	< 0.00052	< 0.00052	< 0.00052
Thallium	0.002	mg/L	< 0.00052	NA	< 0.00052	NA	< 0.00052	< 0.00052	< 0.00052
Zinc	0.6	mg/L	< 0.010	NA	< 0.010	NA	< 0.010	< 0.010	< 0.010

Notes:

Exceeds MDE Groundwater Cleanup Standard

¹EPA Maximum Contaminant Level (MCL) for Fluoride.

< = Analyte not detected. Value represents method detection limit

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

NA = Sample not submitted for specified method
Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling efforts.

Table 9
Groundwater - PCBs
Bauxite III Historical Data
Frederick, MD

Parameter	Type I and II Aquifers	Location ID Sample ID Sample Date	Units	MW-1		MW-2		MW-2		MW-3		MW-4		MW-5	
				MW-1-Bauxite3-May2024	5/20/2024	MW-2-Bauxite3-May2024	5/21/2024	GW-DUP-1	5/21/2024	MW-3-Bauxite3-May2024	5/21/2024	MW-4-Bauxite3-May2024	5/21/2024	MW-5-Bauxite3-May2024	5/21/2024
Aroclor 1016	0.14		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1221	0.0047		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1232	0.0047		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1242	0.0078		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1248	0.0078		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1254	0.0078		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Aroclor 1260	0.0078		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	
Total PCBs	0.50		ug/L	< 0.52		< 0.53		< 0.55		< 0.50		< 0.50		< 0.50	

Notes

Exceeds MDE Groundwater
Cleanup Standard
< = Analyte not detected. Value represents detection
limit
Wells MW-1, MW-7, and MW-8 were not sampled
during 2025 field activities due to non-detections from
previous sampling efforts.

Table 9
Groundwater - PCBs
Bauxite III Historical Data
Frederick, MD

		Location ID	MW-6	MW-7	MW-8
		Sample ID	MW-6-Bauxite3-May2024	MW-7-Bauxite3-May2024	MW-8-Bauxite3-May2024
		Sample Date	5/21/2024	5/20/2024	5/20/2024
Parameter	Type I and II Aquifers	Units			
Aroclor 1016	0.14	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1221	0.0047	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1232	0.0047	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1242	0.0078	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1248	0.0078	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1254	0.0078	ug/L	< 0.51	< 0.50	< 0.50
Aroclor 1260	0.0078	ug/L	< 0.51	< 0.50	< 0.50
Total PCBs	0.50	ug/L	< 0.51	< 0.50	< 0.50

Notes

Exceeds MDE Groundwater Cleanup Standard
 < = Analyte not detected. Value represents detection limit
 Wells MW-1, MW-7, and MW-8 were not sampled during 2025 field activities due to non-detections from previous sampling efforts.



APPENDIX A HISTORICAL DATA



APPENDIX A.1 GTA GROUNDWATER DATA (2022)

Table 5
Groundwater Analysis Summary

*Former Alcoa Eastalco Works Property
Initial Infrastructure Phase
Frederick Maryland
GTA Project No. 31201536
Page 1 of 1*

Sample Location	Comparison Value	GTA-GW-1	GTA-GW-2
	MCL		
Fluoride	4.0	<0.25	<0.25

Notes:

This table is only to be used in conjunction with the report for which it was prepared.

See the report text for background information, assumptions, limitations, etc.

Samples collected September 15, 2022

Results in milligrams per liter (mg/L)

MCL = United States Environmental Protection Agency National Primary Drinking Water Regulations

Maximum Contaminant Level; Published May 2009.

Shaded and bold values represent exceedance of the GCS



Table 6
Surface Water Analysis Summary

*Former Alcoa Eastalco Works Property,
Initial Infrastructure Phase
Frederick Maryland
GTA Project No. 31201536
Page 1 of 1*

Sample Location	Comparison Value	GTA-SW-1	GTA-SW-2	GTA-SW-3	GTA-SW-4
	MCL				
Total Cyanide	0.2	<0.010	<0.010	<0.010	<0.010
Fluoride	4.0	--	--	3.3	--

Notes:

This table is only to be used in conjunction with the report for which it was prepared.

See the report text for background information, assumptions, limitations, etc.

Samples collected September 15, 2022

Results in milligrams per liter (mg/L)

MCL = United States Environmental Protection Agency National Primary Drinking Water Regulations, Maximum Contaminant Level,

Published May 2009

Shaded and bold values represent exceedance of the GCS





APPENDIX A.2 TERRACON GROUNDWATER DATA (2024)

Table C-4
Groundwater Analytical Results Summary (Detections Only)
BWI-100
5601 Manor Woods Road
Frederick, Maryland
Terracon Project No. JD237432

SAMPLE ID:			DU1-1	DU1-20	DU1-25	DU2-2	DU2-4	DU2-6
COLLECTION DATE:			1/3/2024	1/8/2024	1/8/2024	1/8/2024	1/4/2024	1/4/2024
SAMPLE MATRIX:			WATER	WATER	WATER	WATER	WATER	WATER
¹ ANALYTE	CAS RN	MDE Groundwater Standards Type I and II Aquifers (µg/L) ²	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Volatile Organic Compounds (VOCs) via USEPA 8260								
Acetone	67-64-1	1,400	<5.0	<5.0	<5.0	7.7	<5.0	<5.0
1,1-Dichloroethene	75-35-4	7	2.2	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	75-34-3	2.8	1.3	<0.75	<0.5	<0.5	<0.75	<0.75
cis-1,2-Dichloroethene	156-59-2	70	2.8	26	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	156-60-5	100	<0.75	1.2	<0.75	<0.75	<0.75	<0.75
1,2-Dichloroethene	156-59-2	70	2.8	27	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	127-18-4	5	<0.5	6	1.1	<0.5	<0.5	<0.5
Trichloroethene	79-01-6	5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane	123-91-1	0.46	11	<3.0	<3.0	<3.0	<3.0	<3.0
Total Petroleum Hydrocarbons – Diesel Range Organics and Gasoline Range Organics via USEPA 8015								
TPH-DRO	NA	47	NT	3,400	NT	NT	NT	NT
TPH-GRO	NA	47	NT	<40	NT	NT	NT	NT
Fluoride via USEPA 9056								
	16984-48-8	4,000	693	2,450	2,100	361	2,180	7,700
Priority Pollutant (PPL) Metals via USEPA 6010 (TOTAL / DISSOLVED)								
Arsenic	7440-38-2	10	1.957 / 0.9535	2.204 / 0.7522	5.984 / <0.5	1.811 / 0.6615	<0.5	<0.5
Beryllium	7440-41-7	4	1.612 / <0.5	<0.5	1.746 / <0.5	<0.5	<0.5	<0.5
Cadmium	7440-43-9	5	<0.2	<0.2	0.2824 / <0.2	<0.2	<0.2	<0.2
Chromium (TOTAL)	7440-47-3	100	5.535 / <1.0	1.637 / <1.0	16.50 / <1.0	9.118 / 2.738	<1.0	2.123 / 1.894
Copper	7440-50-8	1,300	7.906 / <1.0	1.815 / <1.0	24.25 / <1.0	8.157 / <1.0	1.873 / 1.854	1.878 / <1.0
Lead	7439-92-1	15	6.048 / <1.0	1.476 / <1.0	16.60 / <1.0	3.868 / <1.0	<1.0	<1.0
Mercury	7439-97-6	2	<0.2	<0.2	<0.2	<0.2	<0.2	0.223 / <0.2
Nickel	7440-02-0	39	9.428 / <2.0	2.013 / <2.0	27.75 / <2.0	4.962 / <2.0	<2.0	<2.0
Selenium	7782-49-2	50	10.6 / <5.0	<5.0	23.0 / <5.0	<5.0	<5.0	<5.0
Zinc	7440-66-6	600	30.45 / <10.0	<10.0	52.91 / <10.0	12.57 / <10.0	<10.0	<10.0

(1) Only detected compounds listed; **Bolded** = Above laboratory detection limits

(2) Maryland Department of the Environment Cleanup Standards for Soil and Groundwater (October 2018) per the EPA Regional Screening Levels for Tap water/MCLs (November 2023)

NT = Not Tested; NA = not applicable

CAS RN = Chemical Abstracts Service Registry Number

µg/L = Micrograms per Liter

Exceeds MDE Groundwater Standards for Type I and II Aquifers per EPA Regional Screening Levels for Tap water/MCLs (November 2023)



APPENDIX A.3 ERM TEMPORARY DISTRIBUTION LINE SOIL DATA (2024)

Table 1
Soil Data - TCL VOCs
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Location ID															
		TDB-1		TDB-1		TDB-1		TDB-1		TDB-1		TDB-1		TDB-1		TDB-1	
		4-5	5-10	10-12	12/17/2024	12/17/2024	12/17/2024	4-5	5-10	10-12	12/17/2024	4-5	5-10	10-12	12/17/2024	4-5	5-10
Sample Date	Sample Date	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024
Depth (ft)	Depth (ft)	4-5	5-10	10-12	12/17/2024	12/17/2024	12/17/2024	4-5	5-10	10-12	12/17/2024	4-5	5-10	10-12	12/17/2024	4-5	5-10
Units	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	67,000,000	70.1	< 5.9	7.51	< 0.89	< 0.89	< 0.89	2.9 J	1.1 J	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77	< 0.77
Benzene	5100	< 0.78	< 0.78	< 0.89	< 0.89	< 0.89	< 0.89	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Bromochloromethane (THM)	1,300	< 0.68	< 0.68	< 0.77	< 0.77	< 0.77	< 0.77	< 0.80	< 0.80	< 0.67	< 0.67	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Bromofom (THM)	86,000	< 4.9	< 4.9	< 5.5	< 5.5	< 5.5	< 5.5	< 5.7	< 5.7	< 4.8	< 4.8	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
Bromomethane	3,000	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
3 Butanone (Methyl Ethyl Ketone)	19,000,000	< 2.0	< 2.0	< 2.2	< 2.2	< 2.2	< 2.2	4.4 J	5.7 J	3.3 J	4.5 J	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Carbon Disulfide	350,000	2.0 J	< 0.79	< 0.89	< 0.89	< 0.89	< 0.89	2.9 J	1.1 J	< 0.77	< 0.77	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Carbon Tetrachloride	2,000,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Chlorobenzene	130,000,000	< 0.88	< 0.88	< 0.89	< 0.89	< 0.89	< 0.89	< 1.0	< 1.0	< 0.86	< 0.86	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Chloroethane	570,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Chloromethane	46,000	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Cumene (Isopropylbenzene)	990,000	< 1.5	< 1.5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.4	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Cyclohexane	NVL	< 0.88	< 0.88	< 0.89	< 0.89	< 0.89	< 0.89	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,2-Dibromo-3-chloropropane	64	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibromochloromethane	39,000	< 0.49	< 0.49	< 0.55	< 0.55	< 0.55	< 0.55	< 0.57	< 0.57	< 0.48	< 0.48	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromomethane	160	< 0.68	< 0.68	< 0.69	< 0.69	< 0.69	< 0.69	< 0.77	< 0.77	< 0.67	< 0.67	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,1,1-Trichloroethane	990,000	< 0.98	< 0.98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
1,1,2-Trichloroethane	NVL	< 0.88	< 0.88	< 0.89	< 0.89	< 0.89	< 0.89	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,4-Dichlorobenzene	16,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,1-Dichloroethane	20,000	< 0.59	< 0.59	< 0.66	< 0.66	< 0.66	< 0.66	< 0.68	< 0.68	< 0.57	< 0.57	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,2-Dichloroethane	100,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,1-Dichloroethene	2,300,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,2-Dichloroethene	2,300,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
trans-1,2-Dichloroethene	2,300,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
cis-1,2-Dichloroethene	2,300,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
cis-1,3-Dichloropropene	NVL	< 0.59	< 0.59	< 0.66	< 0.66	< 0.66	< 0.66	< 0.68	< 0.68	< 0.57	< 0.57	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
trans-1,3-Dichloropropene	NVL	< 0.59	< 0.59	< 0.66	< 0.66	< 0.66	< 0.66	< 0.68	< 0.68	< 0.57	< 0.57	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Dichlorodifluoromethane	NVL	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Ethylbenzene	25,000	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Freon 113	NVL	< 0.88	< 0.88	< 0.89	< 0.89	< 0.89	< 0.89	< 1.0	< 1.0	< 0.86	< 0.86	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
2-Hexanone	NVL	< 2.0	< 2.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.3	< 2.3	< 1.9	< 1.9	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
4-Hexanone	14,000,000	< 2.0	< 2.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.3	< 2.3	< 1.9	< 1.9	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
Isopentane (Methyl Isobutyl Ketone)	NVL	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Methyl Acetate	NVL	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Methylcyclohexane	NVL	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Methylene Chloride	320,000	< 2.0	< 2.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.3	< 2.3	< 1.9	< 1.9	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
Methyl tert-butyl ether (MTBE)	210,000	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Styrene	3,500,000	< 0.88	< 0.88	< 0.89	< 0.89	< 0.89	< 0.89	< 1.0	< 1.0	< 0.86	< 0.86	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Tetrachloroethene	39,000	< 1.5	< 1.5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.4	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
1,2,4-Trichlorobenzene	NVL	< 4.9	< 4.9	< 5.5	< 5.5	< 5.5	< 5.5	< 5.7	< 5.7	< 4.8	< 4.8	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
1,1,2,2-Tetrachloroethane	NVL	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Toluene	4,700,000	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
1,1,1-Trichloroethane	NVL	< 0.68	< 0.68	< 0.69	< 0.69	< 0.69	< 0.69	< 0.77	< 0.77	< 0.67	< 0.67	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,1,2-Trichloroethane	630	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Trichloromethane	NVL	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Trichloroethene	NVL	< 0.98	< 0.98	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
Vinyl Chloride	1,700	< 0.78	< 0.78	< 0.79	< 0.79	< 0.79	< 0.79	< 0.91	< 0.91	< 0.76	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Xylenes	250,000	< 0.68	< 0.68	< 0.77	< 0.77	< 0.77	< 0.77	< 0.80	< 0.80	< 0.67	< 0.67	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58

Notes:
Yellow Shaded = Exceeds MDE Non-Residential Soil Cleanup Standard
 * = Analyte not detected, value represents reporting limit
 ** = CS = Control Sample
 J = See case narrative
 J = Result is less than reporting limit but greater than method detection limit
 F1 = MS and/or MSD recovery exceeds control limits
 F2 = MS and/or MSD recovery exceeds control limits
 NVL = No value listed
 TCL VOCs = Target compound list volatile organic compounds

Table 1
Soil Data - TCL VOCs
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID				Depth (ft)			
			TDB-145		TDB-145		TDB-145		TDB-145	
			Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date
Acetone	67,000,000	ug/kg	4-5	12/20/2024	5-8	12/20/2024	8-10	12/20/2024	8-10	12/20/2024
Benzene	5100	ug/kg	< 6.6		12.1		< 5.9			
Bromodichloromethane (THM)	1,300	ug/kg	< 0.88		< 0.71		< 0.79			
Bromodorm (THM)	86,000	ug/kg	< 0.77		< 0.62		< 0.69			
Bromomethane	3,000	ug/kg	< 5.5		< 4.4		< 4.9			
2-Butanone (Methyl Ethyl Ketone)	19,000,000	ug/kg	< 1.1		< 0.88		< 0.98			
		ug/kg	< 2.2		< 1.8		< 2.0			
Carbon Disulfide	350,000	ug/kg	< 0.88		< 0.71		< 0.79			
Carbon Tetrachloride	2,900,000	ug/kg	< 0.88		< 0.71		< 0.79			
Chlorobenzene	130,000,000	ug/kg	< 0.99		< 0.80		< 0.88			
Chloroethane	570,000	ug/kg	< 0.88		< 0.99		< 0.98			
Chloroform	46,000	ug/kg	< 1.1		< 0.88		< 0.98			
Cumene (Isopropylbenzene)	990,000	ug/kg	< 1.7		< 1.3		< 1.5			
Cyclohexane	NVL	ug/kg	< 0.99		< 0.80		< 0.88			
1,2-Dibromo-3-chloropropane	64	ug/kg	< 0.88		< 0.71		< 0.79			
Dibromochloromethane	39,000	ug/kg	< 0.55		< 0.44		< 0.49			
1,2-Dibromomethane	160	ug/kg	< 0.77		< 0.62		< 0.69			
1,2-Dichlorobenzene	91,000	ug/kg	< 0.99		< 0.80		< 0.88			
1,3-Dichlorobenzene	NVL	ug/kg	< 1.1		< 0.88		< 0.98			
1,4-Dichlorobenzene	11,000	ug/kg	< 0.99		< 0.80		< 0.88			
1,1-Dichloroethane	160,000	ug/kg	< 0.88		< 0.71		< 0.79			
1,2-Dichloroethane	2000	ug/kg	< 0.66		< 0.53		< 0.59			
1,1-Dichloroethene	100,000	ug/kg	< 0.88		< 0.71		< 0.79			
cis-1,2-Dichloroethene	230,000	ug/kg	< 0.88		< 0.71		< 0.79			
trans-1,2-Dichloroethene	2,300,000	ug/kg	< 0.88		< 0.71		< 0.79			
1,1,1,2-Tetrachloroethane	630	ug/kg	< 0.66		< 0.53		< 0.59			
1,1,2,2-Tetrachloroethane	NVL	ug/kg	< 0.88		< 0.71		< 0.79			
trans-1,3-Dichloropropene	NVL	ug/kg	< 0.66		< 0.53		< 0.59			
Dichlorodifluoromethane	NVL	ug/kg	< 1.1		< 0.88		< 0.98			
Ethylbenzene	25000	ug/kg	< 1.1		< 0.88		< 0.98			
Freon 113	NVL	ug/kg	< 0.99		< 0.80		< 0.88			
2-Hexanone	NVL	ug/kg	< 2.8		< 2.2		< 2.5			
Isopentane (Methyl Isobutyl Ketone)	14,000,000	ug/kg	< 2.2		< 1.8		< 2.0			
Methyl Acetate	NVL	ug/kg	< 1.1		< 0.88		< 0.98			
Methylcyclohexane	NVL	ug/kg	< 0.88		< 0.71		< 0.79			
Methylene Chloride (Dichloromethane)	320,000	ug/kg	< 2.2		< 1.8		< 2.0			
Methyl tert-butyl ether (MTBE)	210,000	ug/kg	< 0.88		< 0.71		< 0.79			
Styrene	3,500,000	ug/kg	< 0.99		< 0.80		< 0.88			
Tetrachloroethene	39,000	ug/kg	< 1.7		< 1.3		< 1.5			
1,2,4-Trichlorobenzene	NVL	ug/kg	< 5.5		< 4.4		< 4.9			
1,1,2,2-Tetrachloroethane	2,700	ug/kg	< 0.88		< 0.71		< 0.79			
Toluene	4,700,000	ug/kg	3.4 J		3.4 J		< 0.98			
1,1,1-Trichloroethane	3,600,000	ug/kg	< 0.88		< 0.71		< 0.79			
1,1,2-Trichloroethane	630	ug/kg	< 0.77		< 0.62		< 0.69			
Trichloromethane	1,700	ug/kg	< 0.88		< 0.71		< 0.79			
Trichloroethylene	NVL	ug/kg	< 1.1		< 0.88		< 0.98			
Vinyl Chloride	1,700	ug/kg	< 0.88		< 0.71		< 0.79			
Xylenes	250,000	ug/kg	< 0.77		< 0.62		< 0.69			

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** = Analyte not detected, value represents reporting limit
cn = See case narrative
J = Result is less than reporting limit but greater than method detection limit
F1 = MS and/or MSD recovery exceeds control limits
F2 = MS and/or MSD recovery exceeds control limits
NVL = No value listed
TCL VOCs= Target compound list volatile organic compounds

Table 2
Soil Data - PAHs
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID		TDB-1		TDB-2		TDB-3		TDB-4		TDB-4		TDB-5		TDB-6N		TDB-6N	
			Depth (ft)		2-5		0-2		0-2		0-2		0-2		0-2		0-2		0-2	
			Sample ID	Sample Date	TDB-1-0-2	TDB-1-2-5	TDB-1-5-12	TDB-2-0-2	TDB-2-2-3	TDB-3-0-2	TDB-3-2-3	TDB-4-0-2	TDB-4-2-5	TDB-4-5-12	TDB-5-0-2	TDB-5-12	TDB-6N-0-2	TDB-6N-2-5	TDB-6N-0-2	TDB-6N-2-5
Acenaphthene	4,500,000	ug/kg			< 3.9	< 3.6	< 3.9	< 4.2	< 4.1	< 4.1	< 4.3	< 3.8	< 4.0	< 4.0	< 3.7	< 4.0	< 3.7	< 3.8	< 3.7	< 3.8
Acenaphthylene	NVL	ug/kg			< 4.7	< 4.3	< 4.6	< 5.0	< 4.9	< 5.0	< 5.2	< 4.6	< 4.8	< 4.7	< 4.5	< 4.7	< 4.9	< 4.6	< 4.9	< 4.6
Anthracene	23,000,000	ug/kg			5.9 J	4.6 J	7.2 J	< 4.1	< 4.1	< 4.1	< 4.3	< 3.8	< 4.0	< 4.0	< 3.7	< 4.0	43	< 3.8	43	< 3.8
Benzo[a]anthracene	21,000	ug/kg			31	47	14 J	< 4.2	5.9 J	< 4.1	< 4.3	< 3.8	< 4.0	< 4.0	22	17 J	260	21	260	21
Benzo[a]pyrene	2,100	ug/kg			42 *-cn	48 *-cn	< 3.9 *-cn	< 4.2 *-cn	8.4 J *-cn	< 4.1 *-cn	5.6 J *-cn	< 3.8 *-cn	< 4.0 *-cn	< 4.0 *-cn	27	26	380	26	380	26
Benzo[b]fluoranthene	21,000	ug/kg			48	66	14 J	4.5 J	10 J	< 4.1	7.4 J	< 3.8	< 4.0	44	12 J	510	13 J	510	13 J	13 J
Benzo[k]fluoranthene	NVL	ug/kg			36	38	8.1 J	< 4.2	8.7 J	< 4.1	< 4.3	< 3.8	< 4.0	24	8.8 J	5.1 J	300	9.3 J	300	9.3 J
Benzo[k]fluoranthene	210,000	ug/kg			25	31	8.4 J	< 4.2	5.6 J	< 4.1	< 4.3	< 3.8	< 4.0	14 J	5.2 J	220	220	4.6 J	220	4.6 J
Chrysene	2,100,000	ug/kg			36	64	15 J	4.5 J	7.4 J	< 4.1	4.4 J	< 3.8	< 4.0	26	8.3 J	4.2 J	310	7.7 J	310	7.7 J
Dibenz[a,h]anthracene	2,100	ug/kg			11 J	< 7.1	< 7.7	< 8.3	< 8.1	< 8.3	< 8.7	< 7.6	< 7.9	< 7.9	< 7.5	< 7.4	74	< 7.7	74	< 7.7
Fluoranthene	3,000,000	ug/kg			42	87	31	4.5 J	8.4 J	< 4.1	5.5 J	< 3.8	< 4.0	23	15 J	< 3.7	420	10 J	420	10 J
Fluorene	3,000,000	ug/kg			< 3.9	< 3.6	< 3.9	< 4.2	< 4.1	< 4.1	< 4.3	< 3.8	< 4.0	< 4.0	< 3.7	< 3.7	12	< 3.8	12	< 3.8
Indeno[1,2,3-cd]pyrene	21,000	ug/kg			32	31	11 J	< 5.0	8.7 J	< 5.0	6.3 J	< 4.6	< 4.8	18 J	7.6 J	< 4.4	270	7.7 J	270	7.7 J
Naphthalene	17,000	ug/kg			< 7.8	< 7.1	< 7.7	< 8.3	< 8.1	< 8.3	< 8.7	< 7.6	< 7.9	< 7.9	< 7.5 *-cn	< 7.4 *-cn	20 *-cn	22 *-cn	20 *-cn	22 *-cn
Phenanthrene	2,300,000	ug/kg			16 J	30	26	< 5.0	< 4.9	< 5.0	< 5.2	< 4.6	< 4.8	9.3 J	6.0 J	< 4.4	160	< 4.6	160	< 4.6
Pyrene	2,300,000	ug/kg			38	71	26	< 4.2	9.1 J	< 4.1	6.4 J	< 3.8	< 4.0	24	13 J	< 3.7	370	9.2 J	370	9.2 J

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 cn = see case narrative
 NVL = No value listed
 PAHs = Polycyclic aromatic hydrocarbons

Table 2
Soil Data - PAHs
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Units	TDB-6S												TDB-7N												TDB-7S												TDB-8N											
			Location ID	Depth (ft)	TDB-6N	TDB-6S	2-5	TDB-6S-2-5	TDB-6S-5-8	TDB-7N-0-2	TDB-7N-2-5	TDB-7N-5-8	0-2	TDB-7S	TDB-7S-0-2	TDB-7S-2-3	TDB-7S-5-8	0-2	TDB-8N	TDB-8N-0-2	TDB-8N-2-5	TDB-8N-5-8	0-2	TDB-8S	TDB-8S-0-2	TDB-8S-2-3	TDB-8S-5-8	0-2																						
Acenaphthene	4,500,000	ug/kg	<4.3	39	<4.2	<4.3	25	<4.2	<4.3	<4.3	22	7.4	<4.6	<4.0	<3.9	<3.9	<4.0	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	52 *- cn																						
Acenaphthylene	NVL	ug/kg	<5.2	<4.5	<5.1	<5.2	15 J	<5.0	<5.1	<5.1	<4.7	<4.6	<4.6	<4.5	<4.6	<4.5	<4.6	<4.7	<4.7	<4.7	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	5.5 J *- cn																						
Anthracene	23,000,000	ug/kg	<4.3	54	<4.2	<4.3	120	<4.2	<4.3	<4.3	34	14 J	<4.6	<4.0	<3.9	<3.9	<4.0	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	140																						
Benz[a]anthracene	21,000	ug/kg	<4.3	280	<4.2	<4.3	820	<4.3	<4.3	<4.3	350	110	150	150	45	17 J	22	22	22	22	22	22	22	22	22	22	22	1,200																						
Benzo[a]pyrene	2,100	ug/kg	<4.3	370	<4.2	<4.3	900	<4.3	<4.3	<4.3	450	150	150	190	64	20	24	24	24	24	24	24	24	24	24	24	24	1,600																						
Benzo[b]fluoranthene	21,000	ug/kg	<4.3	520	<4.2	<4.3	1,300	<4.2	<4.3	<4.3	570	180	180	220	66	4.5 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	9.2 J	3,100 *- cn																						
Benzo[g,h,i]perylene	NVL	ug/kg	<4.3	290	<4.2	<4.3	610	<4.3	<4.3	<4.3	340	110	110	130	41	<3.9	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	4.7 J	1,700																						
Benzo[k]fluoranthene	210,000	ug/kg	<4.3	200	<4.2	<4.3	420	8.2 J	<4.3	<4.3	180	61	70	24	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	970																						
Chrysene	2,100,000	ug/kg	<4.3	310	<4.2	<4.3	860	13 J	<4.3	<4.3	370	120	120	140	37	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	1,800																						
Dibenz[a,h]anthracene	2,100	ug/kg	<8.6	74	<8.4	<8.6	160	<8.3	<8.5	<8.5	86	29	36	10 J	<7.9	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	430																						
Fluoranthene	3,000,000	ug/kg	<4.3	500	<4.2	<4.3	1,500	15 J	<4.3	<4.3	470	160	160	190	51	<3.9	20	20	20	20	20	20	20	20	20	20	20	1,600																						
Fluorene	3,000,000	ug/kg	<4.3	13 J	<4.2	<4.3	25	<4.2	<4.3	<4.3	11 J	4.9 J	4.9 J	4.4 J	<4.0	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	22																						
Indeno[1,2,3-cd]pyrene	21,000	ug/kg	<5.2	260	<5.1	<5.2	570	10 J	<5.1	<5.1	280	98	98	110	35	<4.7	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	4.6 J	1,300																						
Naphthalene	17,000	ug/kg	<8.4 *-cn	<7.5 *-cn	<8.3 *-cn	<8.6 *-cn	<8.5 *-cn	<8.3 *-cn	<8.5 *-cn	<8.5 *-cn	<7.8	<7.7	<7.7	<7.5	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	<7.9 *-cn	12 J *-cn																						
Phenanthrene	2,300,000	ug/kg	<4.3	200	<5.1	<5.2	260	5.3 J	<5.1	<5.1	160	72	64	13 J	<4.7	19	19	19	19	19	19	19	19	19	19	19	19	370																						
Pyrene	2,300,000	ug/kg	<5.2	410	<4.2	<4.3	1,100	15 J	<4.3	<4.3	460	150	150	190	45	4.1 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	16 J	1,500																						

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cn = see case narrative
NVL = No value listed
PAHs = Polycyclic aromatic hydrocarbons

Table 2
Soil Data - PAHs
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID	TDB-8S	TDB-8S	TDB-9N	TDB-9N	TDB-9N	TDB-9N	TDB-9N	TDB-9S	TDB-9S	TDB-9S	TDB-9S	TDB-10N	TDB-10N	TDB-10N	TDB-10S	TDB-10S	TDB-10S
			Depth (ft)	2-5	5-8	0-2	2-5	5-8	5-8	0-2	0-2	2-5	5-8	0-2	2-3	0-2	0-2	0-2	0-2	0-2
			Sample ID	TDB-8S-2-5	TDB-8S-5-8	TDB-9N-0-2	TDB-9N-2-5	TDB-9N-5-8	DUP-3	TDB-9S-0-2	TDB-9S-0-2	TDB-9S-2-5	TDB-9S-5-8	TDB-10N-0-2	TDB-10N-2-3	TDB-10S-0-2	TDB-10S-0-2	TDB-10S-0-2	TDB-10S-2-5	TDB-10S-2-5
			Sample Date	12/19/2024	12/19/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024	12/19/2024
Parameter	MDE Non-Residential Cleanup Standard	Units																		
Acenaphthene	4,500,000	ug/kg		1800 *- cn	6700 *- cn	<3.9	<4.0	<4.0	NA	17 J *- cn	130 *- cn	34 *- cn	34 *- cn	22 *- cn	38 *- cn	7.0 J *- cn	7.0 J *- cn	7.0 J *- cn	9.7 J *- cn	9.7 J *- cn
Acenaphthylene	NVL	ug/kg		32 *- cn	56 *- cn	<4.7	<4.8	<4.8	NA	<4.5 *- cn	<4.4 *- cn	<4.6 *- cn	<4.6 *- cn	<4.7	<4.7	<4.7 cn	<4.7 cn	<4.7 cn	<4.6 cn	<4.6 cn
Anthracene	23,000,000	ug/kg		5,100	22,000	5,2 J	<4.0	<4.0	NA	19	380	100	100	29 *- cn	51 *- cn	9.5 J *- cn	9.5 J *- cn	9.5 J *- cn	19 *- cn	19 *- cn
Benzo[a]anthracene	21,000	ug/kg		24,000	31,000	59	<4.0	17 J	NA	230	3,200	620	620	270 *- cn	230 *- cn	74 *- cn	74 *- cn	74 *- cn	180 *- cn	180 *- cn
Benzo[a]pyrene	2,100	ug/kg		26,000	29,000	82	<4.0	20	NA	330	3,700	830	830	360 *- cn	310 *- cn	100 *- cn	100 *- cn	100 *- cn	250 *- cn	250 *- cn
Benzo[b]fluoranthene	21,000	ug/kg		34,000 *- cn	33,000 *- cn	82	<4.0	4.4 J	NA	470 *- cn	4,300 *- cn	960 *- cn	960 *- cn	460 *- cn	360 *- cn	140 *- cn	140 *- cn	140 *- cn	290 *- cn	290 *- cn
Benzo[g,h,i]perylene	NVL	ug/kg		19,000	17,000	48	<4.0	<4.0	NA	270	2,500	600	600	290 *- cn	230 *- cn	87 *- cn	87 *- cn	87 *- cn	190 *- cn	190 *- cn
Benzo[k]fluoranthene	210,000	ug/kg		12,000	12,000	33	<4.0	<4.0	NA	140	1,600	340	340	180 *- cn	140 *- cn	56 *- cn	56 *- cn	56 *- cn	140 *- cn	140 *- cn
Chrysene	2,100,000	ug/kg		28,000	29,000	52	<4.0	<4.0	NA	290	3,000	630	630	300 *- cn	240 *- cn	90 *- cn	90 *- cn	90 *- cn	220 *- cn	220 *- cn
Dibenz[a,h]anthracene	2,100	ug/kg		4,700	4,600	12 J	<8.0	<8.0	NA	72	650	140	140	78 *- cn	63 *- cn	24 *- cn	24 *- cn	24 *- cn	45 *- cn	45 *- cn
Fluoranthene	3,000,000	ug/kg		38,000	80,000	70	<4.0	<4.0	NA	320	4,400	950	950	370 *- cn	360 *- cn	100 *- cn	100 *- cn	100 *- cn	240 *- cn	240 *- cn
Fluorene	3,000,000	ug/kg		1,300	8,100	<3.9	<4.0	<4.0	NA	7.0 J	69	20	20	11 *- cn	16 J *- cn	<4.0 *- cn	<4.0 *- cn	<4.0 *- cn	5.2 J *- cn	5.2 J *- cn
Indeno[1,2,3-cd]pyrene	21,000	ug/kg		17,000	15,000	45	<4.8	<4.8	NA	210	2,300	520	520	240 *- cn	200 *- cn	75 *- cn	75 *- cn	75 *- cn	160 *- cn	160 *- cn
Naphthalene	17,000	ug/kg		660 *- cn	3,300 *- cn	<7.8 *- cn	<8.0 *- cn	<8.0 *- cn	NA	<7.6 *- cn	18 *- cn	7.7 J *- cn	7.7 J *- cn	<7.8	8.8 J	<7.9 cn	<7.9 cn	<7.9 cn	<7.7 cn	<7.7 cn
Phenanthrene	2,300,000	ug/kg		16,000	77,000	19 J	<4.8	<4.8	NA	96	1,300	320	320	140 *- cn	190 *- cn	39 *- cn	39 *- cn	39 *- cn	79 *- cn	79 *- cn
Pyrene	2,300,000	ug/kg		36,000	61,000	65	<4.0	<4.0	NA	310	4,100	910	910	360 *- cn	340 *- cn	100 *- cn	100 *- cn	100 *- cn	250 *- cn	250 *- cn

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 NVL = No value listed
 PAHs = Polycyclic aromatic hydrocarbons

Table 3
Soil Data - Inorganics
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (CMBG)	Location ID		TDB-1		TDB-1		TDB-2		TDB-2		TDB-3		TDB-3		TDB-4		TDB-4		TDB-5		TDB-5		TDB-6N		TDB-6N	
			Depth (ft)		0-2		2-5		5-12		0-2		2-3		0-2		2-3		0-2		2-5		0-2		5-12		0-2	
			Sample ID		TDB-1-0-2		TDB-1-2-5		TDB-1-5-12		TDB-2-0-2		TDB-2-2-3		TDB-3-0-2		TDB-3-2-3		TDB-4-0-2		TDB-4-2-5		TDB-5-0-2		TDB-5-4-12		TDB-6N-0-2	
			Sample Date		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/17/2024		12/18/2024		12/18/2024		12/18/2024	
			Units																									
Antimony	47		0.12 J	0.12 J		0.081 J		0.19 J		0.16 J		0.093 J		0.13 J		0.082 J		0.13 J		0.19 J	F1		0.1 J		0.29		0.17 J	
Arsenic	3	11		3.1	2.7	3.5	4.9	4.9	5.3	5.8	5.8	5.3	5.8	5.8	5.8	3.2	2.7	4.3	4.3	2.1	2.5	9.7	4.4	9.7	4.4	9.7	4.4	
Beryllium	230		0.96	0.78	0.86	0.86	2.1	1.6	1.6	1.2	1.5	1.6	1.2	1.5	1.5	1.5	1.5	1.2	1.2	1.3	1.3	1.9	0.68	1.9	0.68	1.9	0.68	
Cadmium	98		0.12	0.063 J	< 0.039	< 0.039	0.085 J	0.085 J	0.069 J	0.069 J	0.069 J	0.078 J	0.097 J	0.097 J	0.11	0.083 J	0.10 J	0.10 J	0.10 J	0.066 J	0.12	0.066 J	0.12	0.066 J	0.12	0.066 J	0.12	
Total Chromium	NVL	42		17	15	16	44	32	32	36	35	36	35	35	54	54	16	16	46	46	46	46	93	31	93	31	31	
Copper	4,700		18	9	12	12	20	19	22	22	24	22	24	24	18	23	23	22	15	15	25	25	25	13	25	13	13	
Lead	800		14	6.6	4.6	4.6	16	16	12	12	13	13	14	14	16	21	21	8.4	14	14	13	21	15	21	15	15		
Mercury	4.6		0.023 J	< 0.020	< 0.023	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025 J	< 0.052 J	< 0.052 J	< 0.022	< 0.023	< 0.036 J	< 0.036 J	< 0.022	< 0.022	< 0.021	< 0.047 J	< 0.060 J	< 0.060 J	< 0.060 J	< 0.060 J		
Nickel	2,200		18	20	29	29	31	31	31	31	39	39	33	33	42	42	34	34	34	31	31	89	25	89	25	25		
Selenium	580		0.12 J	< 0.099	< 0.098	< 0.098	0.10 J	0.25 J	0.25 J	0.25 J	0.26 J	< 0.11	< 0.26 J	< 0.26 J	< 0.084	< 0.11	< 0.11	< 0.11	< 0.10	< 0.10	< 0.066	< 0.31 J	< 0.31 J	< 0.31 J	< 0.31 J	< 0.31 J		
Silver	580		< 0.045	< 0.040	< 0.040	< 0.040	< 0.042	< 0.040	< 0.039	< 0.039	< 0.064 J	< 0.064 J	< 0.041	< 0.041	< 0.034	< 0.045	< 0.045	< 0.045	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042		
Thallium	1.2	4.6	0.096 J	0.096 J	0.056 J	0.044 J	0.18	0.18	0.18	0.17	0.20	0.20	0.22	0.22	0.22	0.25	0.25	0.080 J	0.21	0.19	0.19	0.42	0.18	0.42	0.18	0.42		
Zinc	35,000		52	37	37	37	82	67	67	74	74	81	81	98	96	96	62	62	77	71	71	100	46	100	46	46		
Fluoride ²	47,000		18	17	18	18	4.5	9.0	9.0	3.0	3.0	6.0	6.0	6.0	2.4	2.4	< 1.0	31	2.1	2.1	1.5	28	6.8	28	6.8	6.8		
Cyanide	15		< 0.20	< 0.18	< 0.21	< 0.21	< 0.20	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.23	< 0.23	< 0.22 J	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22		

Notes:
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for industrial soils.
 ^2 = Exceeds MDE Non-Residential Soil Cleanup Standard
Bolded Text = Exceeds Anticipated Typical Concentrations for Central Maryland (CMBG)
 Gray Shaded = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit
 ^2 = Calibration Blank (ICB and/or CCB) is outside of acceptable limits
 B = Compound was found in the blank and sample
 CMBG = Western Maryland Background
 J = Result is less than reporting limit but greater than method detection limit
 F1 = MS and/or MSD recovery exceeds control limits
 NVL = No value listed

Table 3
Soil Data - Inorganics
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (CMBG)	Location ID		TDB-8S	TDB-9N	TDB-9N	TDB-9N	TDB-9S	TDB-9S	TDB-9S	TDB-9S	TDB-10N	TDB-10S	TDB-10S	TDB-10S		
			Depth (ft)	Sample ID	TDB-8S-2-5	TDB-9N-0-2	TDB-9N-2-5	TDB-9N-5-8	TDB-9S-0-2	TDB-9S-2-5	TDB-9S-5-8	TDB-10N-0-2	TDB-10N-2-3	TDB-10S-2-5	TDB-10S-5-8			
					Sample Date													
					Units													
Antimony	47	NVL	mg/kg	0.53 J	0.22	< 0.076	0.16 J	< 0.082	0.18 J	0.21	0.22 J	0.13 J	0.3	0.17 J	0.36	0.24		
Arsenic	3	11	mg/kg	6.8	6.8	< 0.13	7.4	< 0.14	2.9	6.0	4.6	6.4	7.8	5.8	7.4	5.9		
Beryllium	230	NVL	mg/kg	4.5	2.6	< 0.023	1.6	< 0.024	1.7	1.8	1.2	1.2	1.2	1.5	1.3	1.2		
Cadmium	98	NVL	mg/kg	1.3	0.56	0.096	0.12	< 0.041	0.10	0.33	0.20	0.17	0.36	0.11	0.081 J	0.15		
Total Chromium	NVL	42	mg/kg	32	42	1.2	41	0.88	57	39	29	23	28	48	78	29		
Copper	4,700	NVL	mg/kg	71	24	76	15	2.2	50	17	13	21	25	32	21	12		
Lead	800	NVL	mg/kg	86	18	< 0.073	17	0.22	20	17	13	14	18	22	17	20 ^2		
Mercury	4.6	NVL	mg/kg	< 0.023	0.064 J	0.023	0.025 J	0.027 J	< 0.022	< 0.023	< 0.023	0.034 J	0.045 J	0.022 J	0.029 J	< 0.024		
Nickel	2,200	NVL	mg/kg	70	100	0.94	30	0.75	68	37	48	30 ^2	38	49	23	20 ^2		
Selenium	580	NVL	mg/kg	0.99	0.32 J	< 0.095	0.39 J	< 0.10	0.21 J	0.37 J	0.34 J	0.17 J	0.36 J	0.43	0.43	0.41		
Silver	580	NVL	mg/kg	1.7	0.073 J	0.077 J	0.060 J	< 0.041	< 0.041	< 0.039	< 0.046	0.034 J	0.054 J	0.045 J	0.050 J	0.050 J		
Thallium	1.2	4.6	mg/kg	0.19	0.38	< 0.037	0.26	< 0.040	0.20	0.24	0.28	0.14	0.21	0.28	0.27	0.23		
Zinc	35,000	NVL	mg/kg	960	100	36	71	5.9	110	100	48	62	99	84	55	60		
Fluoride ²	47,000	NVL	mg/kg	390	70	6.5	3.4 F1	3.6	9.2	160	120	34 F1	20	4.8	36	27		
Vanadium	15	NVL	mg/kg	< 0.19	< 0.22	< 0.21	< 0.20	< 0.20	< 0.20	< 0.19	< 0.20	< 0.19	< 0.21	< 0.20	< 0.20	< 0.20		

Notes:
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for industrial soils.
Yellow Shaded = Exceeds MDE Non-Residential Soil Cleanup Standard
Bolded Text = Exceeds Anticipated Typical Concentrations for Central Maryland (CMBG)
Gray Shaded = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit
 ^2 = Calibration Blank (ICB and/or CCB) is outside of acceptable limits
 B = Compound was found in the blank and sample
 CMBG = Western Maryland Background
 J = Result is less than reporting limit but greater than method detection limit
 F1 = MS and/or MSD recovery exceeds control limits
 NVL = No value listed

Table 3
Soil Data - Inorganics
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Anticipated Typical Concentrations (CMBG)	Location ID		TDB-11N	TDB-11N	TDB-11N	TDB-11N	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S	TDB-11S
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Notes:
²Soil cleanup standard for fluoride is EPA Region 3 Regional Screening Level for industrial soils.
 ^2 = Exceeds MDE Non-Residential Soil Cleanup Standard
 Bold text = Exceeds Anticipated Typical Concentrations for Central Maryland (CMBG)
 Gray Shaded = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit
 B = Calibration Blank (ICB and/or CCB) is outside of acceptable limits
 CMBG = Compound was found in the blank and sample
 J = Result is less than reporting limit but greater than method detection limit
 F1 = MS and/or MSD recovery exceeds control limits
 NVL = No value listed

Table 4
Soil Data - PCBs and TPH DRO
Bauxite II Temporary Distribution Line
Frederick, MD

Location ID	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	TDB-1	
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Notes:
Yellow Shaded = Exceeds MDE Non-Residential Soil Cleanup Standard
Gray Shaded = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit
 J = See case narrative
 J = Result is less than reporting limit but greater than method detection limit
 F1 = MS and/or MSD recovery exceeds control limits
 F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both
 PCBs = polychlorinated biphenyls
 TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

Table 4
Soil Data - PCBs and TPH DRO
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Units	Location ID		TDB-9N		TDB-9N		TDB-9N		TDB-9S		TDB-9S		TDB-10N		TDB-10S		TDB-10S		TDB-11N		TDB-11N		TDB-11N		TDB-11N		TDB-11N		TDB-11N			
			Depth (ft)	Sample ID	0.5-2		4-5		5-8		0.5-2		4-5		0.5-2		4-5		0.5-2		4-5		0.5-2		4-5		0.5-2		4-5		0.5-2		4-5	
					12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024	12/18/2024
Aroclor 1016	5,100	ug/kg			<6.6	<6.3	<6.2	<6.3	<6.3	<6.1	<6.1	<6.5	<6.4	<6.2	<6.3	<6.1	<6.3	<6.1	<6.1	<6.1	<6.2	<6.2	<6.3	<6.1	<6.3	<6.1	<6.3	<6.2	<6.2	<6.2	<6.6 F1 F2	<6.6		
Aroclor 1221	830	ug/kg			<6.6	<6.3	<6.2	<6.3	<6.3	<6.1	<6.1	<6.5	<6.4	<6.2	<6.3	<6.1	<6.3	<6.1	<6.1	<6.1	<6.2	<6.2	<6.3	<6.1	<6.3	<6.1	<6.3	<6.2	<6.2	<6.2	<6.6	<6.6		
Aroclor 1232	720	ug/kg			<6.6	<6.3	<6.2	<6.3	<6.3	<6.1	<6.1	<6.5	<6.4	<6.2	<6.3	<6.1	<6.3	<6.1	<6.1	<6.1	<6.2	<6.2	<6.3	<6.1	<6.3	<6.1	<6.3	<6.2	<6.2	<6.2	<6.6	<6.6		
Aroclor 1242	950	ug/kg			<6.6	<6.3	<6.2	<6.3	<6.3	<6.1	<6.1	<6.5	<6.4	<6.2	<6.3	<6.1	<6.3	<6.1	<6.1	<6.1	<6.2	<6.2	<6.3	<6.1	<6.3	<6.1	<6.3	<6.2	<6.2	<6.2	<6.6	<6.6		
Aroclor 1248	950	ug/kg			<6.6	<6.3	<6.2	<6.3	<6.3	30	1,400	<6.4	<6.4	<6.2	<6.3	200	<6.3	<6.3	<6.1	<6.1	<6.2	<6.2	<6.3	<6.1	<6.3	<6.1	<6.3	<6.2	<6.2	<6.2	<6.6	<6.6		
Aroclor 1254	970	ug/kg			<8.0	<7.6	<7.5	<7.6	<7.6	<7.3	<7.3	<7.8	<7.7	<7.5	<7.6	<7.5	<7.6	<7.4	<7.4	<7.4	<7.5	<7.5	<7.4	<7.5	<7.7	<7.4	<7.5	<7.4	<7.4	<8.0	<8.0	<8.0		
Aroclor 1260	990	ug/kg			<8.0	<7.6	<7.5	<7.6	<7.6	<7.3	<7.3	<7.8	<7.7	<7.5	<7.6	<7.5	<7.6	<7.4	<7.4	<7.4	<7.5	<7.5	<7.4	<7.5	<7.7	<7.4	<7.5	<7.4	<7.4	<8.0	<8.0	<8.0		
Total PCBs	940	ug/kg			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
TPH DRO	620	mg/kg			<6.2	<5.9	<5.8	<5.9	<5.9	16	120	<5.9	<5.9	<5.8	<5.9	38	<5.9	<5.9	<5.8	<5.8	<5.9	<5.9	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8		

Notes:
Yellow Shaded = Exceeds MDE Non-Residential Soil Cleanup Standard
Gray Shaded = Sample not submitted for specified method
 < = Analyte not detected, value represents reporting limit
 J = See case narrative
 J = Result is less than reporting limit but greater than method detection limit
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 F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both
 PCBs = polychlorinated biphenyls
 TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics

Table 4
Soil Data - PCBs and TPH DRO
Bauxite II Temporary Distribution Line
Frederick, MD

Parameter	MDE Non-Residential Cleanup Standard	Location ID		TDB-14N		TDB-14N		TDB-14N		TDB-14S		TDB-14S		TDB-14S		TDB-14S		TDB-14S	
		Depth (ft)		0.5-2		4-5		5-8		8-10		0.5-2		4-5		5-8		8-10	
		Sample ID	Sample Date	TDB-14N-0.5-2	TDB-14N-4-5	TDB-14N-5-8	TDB-14N-8-10	TDB-14S-0.5-2	TDB-14S-4-5	TDB-14S-5-8	TDB-14S-8-10	TDB-14S-0.5-2	TDB-14S-4-5	TDB-14S-5-8	TDB-14S-8-10				
		Units																	
Aroclor 1016	5,100	ug/kg		< 6.4	< 6.9	< 7.1	< 5.8	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4
Aroclor 1221	830	ug/kg		< 6.4	< 6.9	< 7.1	< 5.8	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4
Aroclor 1232	720	ug/kg		< 6.4	< 6.9	< 7.1	< 5.8	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4
Aroclor 1242	950	ug/kg		< 6.4	< 6.9	< 7.1	< 5.8	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4
Aroclor 1248	950	ug/kg		< 6.4	< 6.9	< 7.1	< 5.8	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4	< 6.4	< 6.6	< 7.5	< 7.4
Aroclor 1254	970	ug/kg		< 7.7	< 8.3	< 8.6	< 7.1	< 7.8	< 8.0	< 9.1	< 9.0	< 7.8	< 8.0	< 9.1	< 9.0	< 7.8	< 8.0	< 9.1	< 9.0
Aroclor 1260	990	ug/kg		< 7.7	< 8.3	< 8.6	< 7.1	< 7.8	< 8.0	< 9.1	< 9.0	< 7.8	< 8.0	< 9.1	< 9.0	< 7.8	< 8.0	< 9.1	< 9.0
Total PCBs	940	ug/kg		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH DRO	620	mg/kg		< 6.0	< 6.4	< 6.8	< 5.5	< 6.1	< 6.2	< 7.1	< 7.0	< 6.1	< 6.2	< 7.1	< 7.0	< 6.1	< 6.2	< 7.1	< 7.0

Notes:

Yellow Shaded = Exceeds MDE Non-Residential Soil Cleanup Standard

Gray Shaded = Sample not submitted for specified method

< = Analyte not detected, value represents reporting limit

cn = See case narrative

J = Result is less than reporting limit but greater than method detection limit

F1 = MS and/or MSD recovery exceeds control limits

F2 = Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both

PCBs = polychlorinated biphenyls

TPH DRO = Total Petroleum Hydrocarbons Diesel Range Organics