

B-12R		
Date	1/27/2021	DUP-1
PFHxA	5.9	6.3
PFOA	3.5	4.1
PFNA	< 0.86	< 0.86
PFBS	< 0.68	< 0.68
PFHxS	8.5	9.0
PFOS	21	22

B-11		
Date	2/22/2021	DUP-2
PFHxA	23	28
PFOA	7.2	9.5
PFNA	< 0.51	< 0.82
PFBS	4.8	5.3
PFHxS	39	55
PFOS	110 D	220 D

B-5		
Date	1/27/2021	
PFHxA	13	
PFOA	5.5	
PFNA	< 1.2	
PFBS	< 0.96	
PFHxS	22	
PFOS	61	

MW-101S		
Date	5/5/2021	
PFHxA	< 0.47	
PFOA	< 0.69	
PFNA	< 0.54	
PFBS	< 0.43	
PFHxS	< 0.52	
PFOS	< 0.57	

MW-101D		
Date	5/5/2021	
PFHxA	< 0.45	
PFOA	< 0.67	
PFNA	< 0.53	
PFBS	< 0.41	
PFHxS	< 0.51	
PFOS	< 0.55	

MW-22		
Date	5/6/2021	DUP-1
PFHxA	13	13
PFOA	3.1	3.7
PFNA	< 0.53	< 0.53
PFBS	2.3	2.1
PFHxS	32	33
PFOS	17	16

MW-24		
Date	5/5/2021	
PFHxA	< 0.46	
PFOA	< 0.67	
PFNA	< 0.53	
PFBS	< 0.42	
PFHxS	2.6	
PFOS	13	

MW-35		
Date	5/5/2021	DUP-1
PFHxA	< 0.47	< 0.46
PFOA	< 0.70	< 0.68
PFNA	< 0.55	< 0.54
PFBS	3.2	3.1
PFHxS	7.6	8.2
PFOS	13	13

MW-103	
Date	5/6/2021
PFHxA	< 0.48
PFOA	3.2
PFNA	< 0.56
PFBS	< 0.44
PFHxS	5.4
PFOS	10

MW-102	
Date	5/6/2021
PFHxA	< 0.46
PFOA	< 0.67
PFNA	< 0.53
PFBS	2.8
PFHxS	4.3
PFOS	3.6

B-10		
Date	2/22/2021	
PFHxA	210 D	
PFOA	17	
PFNA	< 0.46	
PFBS	32	
PFHxS	260 D	
PFOS	64 D	

**Legend**

- Property Boundary / Fence Line
- ◆ BUCKEYE Monitoring Well (Active)
- KOCH / SHELL Monitoring Well (Active)
- △ KOCH / SHELL Monitoring Well (Inactive)
- KOCH / SHELL Recovery Well (Active)
- KOCH / SHELL Recovery Well (Inactive)
- CITGO Niles Terminal Monitoring Well

**Notes:**

Results are in nanograms per liter (ng/l)  
 Results in BOLD exceed laboratory detection limits  
 Results in BOLD and highlighted exceed a Generic EGLE Cleanup Criteria  
 < - less than the laboratory method detection limit (MDL)  
 D - Result obtained from analysis of diluted sample  
 Dup - Duplicate  
 PFHxA - Perfluorohexanoic acid  
 PFOA - Perfluorooctanoic acid  
 PFNA - Perfluorononanoic acid  
 PFBS - Perfluorobutane sulfonic acid  
 PFHxS - Perfluorohexane sulfonic acid  
 PFOS - Perfluorooctane sulfonic acid



**FIGURE 1**  
 PFAS GROUNDWATER ANALYTICAL MAP  
 BUCKEYE TERMINALS, LLC.  
 NILES TERMINAL  
 2230 SOUTH THIRD STREET  
 NILES, MICHIGAN

PROJECT NO. BUCK21NI24	PREPARED BY MB	REF SCALE 1:1,920	
DATE 6/17/2021	REVIEWED BY KR	MAP SCALE 1 INCH = 160 FEET	

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community