- INC -

Storage Tank Management Services

Boring ID GP-1

Site Name:	Wark's Liberty Statio	on		Date: Decer	mber 16, 2021	
Site/Boring Loca	tion: 300 Montgomer	ry Avenue		Subcontractor:	C.S. Garber	
Merion Station, I	PA 19066			Drilling Method:	Geoprobe	
Weather:	Partly Cloudy, 60's			Borehole Dia.:	2"	
CPTS oversight	Alexandra Gibat	Verified By:	Carl Rinkevich PG	DTW: NA	DTR.	NΔ

	Depth (feet)	Description	PID	Comments/Recovery
0	0-2'	Concrete and gravel	19.2	
1			19.2	
	2.21		44	
2	2-3'	Gray sandy loam	41	
3	3-4'	Brown sandy loam	153	
4	4-5'	Brown clayey sand	483	
			540	
5	5-6'	Concrete-like fill material		
6	6-7'	Gray/brown clayey sand, moist	>1500	
7	7-14'	Gray silty sandy clay	907	Sample @ 7'
8			251	
9			32	
10			68	
11			71	
12			11.5	
13			5.7	
14	14-15'	Gray silty sandy clay, wet	2.2	Wet @ base of boring but no water developed
15			3.6	Sample @ 15'
16		End of boring @ 15'		
17				
18				
19				
20				
21				

- INC -

Storage Tank Management Services

Boring ID GP-2/TP-2

Site Name: Wark's Liberty Station				Date: December 16, 2021			
Site/Boring Location: 300 Montgomery Avenue				Subcontractor:	C.S. Garber		
Merion Station, F	PA 19066			Drilling Method:	Geoprobe		
Weather:	Partly Cloudy, 60's			Borehole Dia.:	2"		
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW:	DTR:	NA	

Depth (feet)		Description	PID	Comments/Recovery
0	0-1'	Concrete and gravel		
1	1-5'	Black sandy silty clay, moist, high plasticity	212	
2				
3			42.5	
4				
			620	
5	5-10'	Gray and tan sandy loam, with some small pebbles	690 647	Sample @ 5.5'
6			140.4	
7	7	3 inch layer of tan sand	363	
8			51	
9			958	Sample @ 9'
10			304	
11		End of boring @ 10'		
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				

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Storage Tank Management Services

Boring ID GP-3/TP-3

Site Name:	Wark's Liberty Station			Da	ate:	Decer	mber 16, 2021	l
Site/Boring Loca	tion: 300 Montgomery	Avenue		Su	ubcontrac	tor:	C.S. Garber	
Merion Station, F	PA 19066			Dr	rilling Me	thod:	Geoprobe	
Weather:	Partly Cloudy, 60's			Во	orehole D	ia.:	2"	
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DT	TW:	11.30	DTR:	NA

	Depth (feet)	Description	PID	Comments/Recovery
0	0-1'	Asphalt		
1	1-7'	Brown sandy clay, moist, no odor		
2				
3			1.9	
4			0.2	
5			11.1 1.2	
6			6.9	
7	7-9'	Gray sand with small round pebbles, no odor	8.6	
8			22	
9	9-14'	Gray sand with small round pebbles, odors		
10			73 455	
11			652	
12			557 974	Sample @ 12.5'
13			866	
14	14-15'	Gray sand, wet	36.9	
15		End of boring @ 15'		
16		End of boring @ 13		
17				
18				
19				
20				
21				

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Storage Tank Management Services

Boring ID GP-4

					I
Site Name: Wark's Liberty Station				Date: De	cember 16, 2021
Site/Boring Loca	tion: 300 Montgomer	y Avenue		Subcontractor	C.S. Garber
Merion Station, F	PA 19066			Drilling Metho	d: Geoprobe
Weather:	Partly Cloudy, 60's			Borehole Dia.:	2"
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW: NA	DTR: NA

	Depth (feet)	Description	PID	Comments/Recovery
0	0-2'	Asphalt, light/tan concrete	1.5	
1				
2	2-4'	Dark to light gray silty sandy loam, dry	4.5	
3			7.8	
4	4-9'	Gray silty sand with small pebbles, dry, odors		
5				
6				
7				
8				
9	9-11.3'	Gray silty sand, dry, odors	313	
10			704	
11			874	Sample @ 11'
12		Refusal @ 11.3'		
13				
14				
15				
16				
17				
18				
19				
20				
21				

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Storage Tank Management Services

Boring ID GP-5

Site Name: Wark's Liberty Station Date: December 16, 2021 Site/Boring Location: 300 Montgomery Avenue Subcontractor: C.S. Garber Merion Station, PA 19066 **Drilling Method:** Geoprobe Weather: Partly Cloudy, 60's Borehole Dia.: CPTS oversight: Alexandra Gibat Verified By: Carl Rinkevich, PG DTR: NA DTW:

	epth (feet)	Description	PID	
0	0-11'	Light tan to medium gray sand		0-5': 3'/5' recovery
1				
2				
3				
4				
5			4.3	5-10': 4'/5' recovery
6				
7			4.3	
8				
9				
10			0.0	10-15'; 2.5'/5' recovery
		As above, some micaceous material		
11		Refusal @ 11'	0.4	Sample @ 11'
12		Netusal @ 11		
13				
14				
15				
16				
17				
18				
19				
20				
19 20 21				

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Storage Tank Management Services

Boring ID GP-6

Site Name: Wark's Liberty Station Date: December 16, 2021 Site/Boring Location: 300 Montgomery Avenue Subcontractor: C.S. Garber Merion Station, PA 19066 **Drilling Method:** Geoprobe Weather: Partly Cloudy, 60's Borehole Dia.: Verified By: Carl Rinkevich, PG NA CPTS oversight: Alexandra Gibat DTW: DTR:

	Depth (feet)	Description	PID	Comments/Recovery
0	0-1'	Asphalt		0-5': 2'/5' recovery
1	1-10'	Gray silty clayey very fine grained sand		
2				
3				
4			576	
5			416	5-10': 3'/5' recovery
6			363	
7			344	
8			368	
9				
10			576	
		Refusal @ 10'	370	
11				Sample @ 11'
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				

CENTER POINT TANK SERVICES GP-7 - INC **Boring ID** Storage Tank Management Services Site Name: Wark's Liberty Station Date: December 16, 2021 Site/Boring Location: 300 Montgomery Avenue Subcontractor: C.S. Garber Merion Station, PA 19066 Drilling Method: Geoprobe Weather: Partly Cloudy, 60's Borehole Dia.: 2" DTR: CPTS oversight: Alexandra Gibat Verified By: Carl Rinkevich, PG DTW: NA NA Depth (feet) Description PID Comments/Recovery 0-1' Asphalt 1-2' Light brown/gray sand with gravel 830 1 Shale and quartzite material 1109 2 2-3' Dark gray silty sand, soft, moist 1619 3 3-4' 1279 Brown silty clay 1795 **Sample @ 4'** Refusal @ 4' 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

- INC -

Storage Tank Management Services

Boring ID GP-8/TP-8

Site Name:	Wark's Liberty Statio	on		[0	Date:	Decem	ber 16, 2021	:	
Site/Boring Location: 300 Montgomery Avenue				Subcontra	actor:	C.S. Garber			
Merion Station, I	PA 19066			[Drilling N	lethod:	Geoprobe		
Weather: Partly Cloudy, 60's			E	Borehole	Dia.:	2"			
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG		DTW:	12.15'	DTR:	NA	

	Depth (feet)	Description	PID	Comments/Recovery
0	0-1'	Gravel and asphalt cap	10.9	0'-5': 2'/5' recovery
1	1-2'	Dark brown to black silt with medium gravel	18.6	
2				
3				
4				
5	5-8'	Reddish brown and gray silty clay loam	23	
6			7.1	
7			12.6	
8	8-15'	Gray micaceous silt	124.3	
9				Sample @ 9'
10			1024	
11			38	
12			21	
13			5	
14			2.4	Samuela O 451
15		End of boring @ 15'	2.4	Sample @ 15'
16				
17				
18				
19				
20				
21				

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Storage Tank Management Services

Boring ID GP-9/MW-1

Site Name: Wark's Liberty Station			Date: March 10, 2022						
Site/Boring Location: 300 Montgomery Avenue			Subcontractor: C.S. Garber						
Merion Station, I	PA 19066				Drilling M	ethod:	G	eoprobe / Ai	ir Percussion
Weather:	Sunny, 60's				Borehole	Dia.:		2" /	3"
CPTS oversight:	Alexandra Gibat	Verified Bv:	Carl Rinkevich, PG		DTW:	12.65'	DTR:	N/A	

D	epth (feet)	Description	PID	Comments/Recovery
0	0-1'	Gravel and asphalt cap	0.2	5'/5' Recovery
1	1-4'	Dark gray/brown sandy silt, moist	0.2	
2			0.2	
3			0.2	
4			2.0	
5	5-8'	Gray/brown silty sand, moist, very slight odors	8.9	Increasing sand content Becoming lighter in color with depth
7			8.9	Sample @ 6.5'
8	8-12'	Light brown wissihicken schist sapprolite		
9				
10	10'	White quartz fragment		
11				
12	12'	increase in sand and gravel	0.1	Sample @ 12'
13			0.2	
14				
15				
16	16-19'	Same as above	0.1	
17				
18				
19		Refusal @ 19'		Well Construction Details:
20				0-9' - 2" PVC Riser 9-19' - 2" 10-slot PVC Screen
21				Concrete Well Pad w/ Flushmount
22				0-6' - Bentonite Seal 6-9' - Annulus fill is unknown 9-19' - Sand

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Storage Tank Management Services

Boring ID GP-10/MW-2

Site Name: Wark's Liberty Station			Date:	Date: March 10, 2022					
Site/Boring Location: 300 Montgomery Avenue			Subco	Subcontractor: C.S. Garber					
Merion Station, I	PA 19066			Drillin	Drilling Method: Geoprobe				
Weather:	Sunny, 60's			Boreh	ole Dia.:	2"			
CPTS oversight:	Alexandra Gibat	Verified Bv:	Carl Rinkevich, PG	DTW:	12.5'	DTR:	N/A		

D	epth (feet)	Description	PID	Comments/Recovery
0	0-0.5'	Concrete	0.2	0-4': 1.5'/4' recovery
		Brown sandy shale	6.1	
1	1-1.5'	Black sandy silt	23.1	
2				
3				
4	4-8'	Gray sandy silt, with fine gravel, micaceous, very odorous	399	
5			412	
6			53	
			3	
7				
8	8-19.5'	Gray sandy silt, moist, odors	55	Increasing sand content
9			550.6	Decreasing gravel content
			330.0	
10			877	
11				
12			975	
12			9/5	
13				
14				
			1010	
15			1013	Sample @ 15'
16			26.9	
17			6.9	
18			0.6	
19			0.4	
\sqcap		Refusal @ 19.5'		Well Construction Details:
20				0-9.5' - 2" PVC Riser
				9.5-19.5' - 2" 10-slot PVC Screen
21				Consents Well Bade. / Elichers et
22				Concrete Well Pad w/ Flushmount 0-6' - Bentonite Seal
				6-9.5' - Annulus fill is unknown
23				9.5-19.5' - Sand

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Storage Tank Management Services

Boring ID

GP-11

Site Name: Wark's Liberty Station			Date:	Date: March 10, 2022				
Site/Boring Location: 300 Montgomery Avenue S			Subco	Subcontractor: C.S. Garber				
Merion Station, I	PA 19066			Drilling	Drilling Method: Geoprobe / Air Percussion			
Weather:	Sunny, 60's			Boreho	ole Dia.:	•	2" / :	3"
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW:	N/A	DTR:	N/A	

	epth (feet)	Description	PID	Comments/Recovery
0	0-1'	Asphalt and silt	1.7	0-4': 2.5'/4' recovery
1			1.2	
2				
3				
4	4-6'	Gray sandy silt	2.8	
	4-0	Gray Sarity Sit		
5			13.5	
6			240.1	
7	7-8'	Red silty clay	176.6	
8	8-19'	Gray sandy silt	693	
9				
10			648	
11				
12			953	Sample @ 12'
13			223	
14			408	
15			14.6	
16			29.9	
17			20.2	
18			15.5	
19				
20		Refusal @ 19'		
21				
22				
Ш				

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Storage Tank Management Services

Boring ID GP-12/TP-4

Site Name:	Wark's Liberty Station			Date:	March	n 11, 2022	
Site/Boring Loca	tion: 300 Montgomery	Avenue		Subcontract	or:	C.S. Garber	
Merion Station, F	PA 19066			Drilling Met	hod:	Geoprobe	
Weather:	Sunny, 60's			Borehole Di	a.:	2"	
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW:	11.7'	DTR:	N/A

	Depth (feet)	Description	PID	Comments/Recovery
0	0-1'	Gravel and asphalt cap		0-4'; 3'/4' recovery
1	1-4'	Sandy silt		
2				
3				
4	4-5'	Light grayish black asphalt material	2.5	Piece of wood @ 4.5'
5	5-7'	Dark brown to gray micaceous silty clay, slightly plastic	6.2	
6			2.3	
7	7-8'	Dark brown to gray micaceous clayey silt, less plasticity, no odor	0.7 2.4	
			1.7	
8	8-10'	Brownish gray clayey sand with fine gravel	1.2	
9				Wet @9'
10	10-12'	Black silty sand, dry, no odor	60.7	Sample @ 9.5
11				
12	12-16'	Brownish gray shaley silty sand		
13			3.2	
14				Wet @ 13-14'
15				
16	16-19.5'	Brownish gray micaceous clayey silty sand	0.3	
17			0.4	
18			0.2	
19				
		Refusal @ 19.5'		
20				
21				

- INC ----

Storage Tank Management Services

Boring ID GP-13/MW-3

Site Name: Wark's Liberty Station	Date: March 11, 2022
Site/Boring Location: 300 Montgomery Avenue	Subcontractor: C.S. Garber
Merion Station, PA 19066	Drilling Method: Geoprobe / Air Percussion
Weather: Sunny, 60's	Borehole Dia.: 2" / 3"
CPTS oversight: Alexandra Gibat Verified By: Carl Rinkevich, PG	DTW: NA DTR: NA

	epth (feet)	Description	PID	Comments/Recovery
0	0-0.5'	Asphalt		0-4'; 2.5'/4' recovery
$\ $	0.5-1'	Brownish gray silty clay		
1	1-4'	Brownish gray clayey sand		
2				
3			4.6	
4	4-8'	Brownish gray sandy clay, increase in sand	1-4	
	70	Stownship Gray Suriay Clay, mercase in Suna		
5			3.4	
6			9.2	
7			165	
8	8-12'	Gray silty clayey sand, moist, odors	361	
9			230	
			476	Sample @ 9.5'
10				
11			35.9 378	
**			27.6	
12	12-20'	Gray silty sand and shale, dry to moist	3.2	
13			11.9	
14			3.6	
			5.0	
15			154.6	
16			22.0	
			23.6	
17			0.9	
18			1.7	
19			0.2	
20			0.6	
21		End of boring @ 20'		Well Construction Details: 0-9' - 2" PVC Riser
-1				9-19' - 2" PVC Riser 9-19' - 2" 10-slot PVC Screen
22				
				Concrete Well Pad w/ Flushmount
23				0-6' - Bentonite Seal 6-9' - Annulus fill is unknown
24				9-19' - Sand
		<u> </u>		<u> </u>

CENTER POINT TANK SERVICES — INC — **Boring ID GP-14** Storage Tank Management Services Site Name: Wark's Liberty Station Date: March 11, 2022 Site/Boring Location: 300 Montgomery Avenue Subcontractor: C.S. Garber Merion Station, PA 19066 Drilling Method: Geoprobe Weather: Sunny, 60's Borehole Dia.: CPTS oversight: Alexandra Gibat Verified By: Carl Rinkevich, PG DTW: DTR: NA Depth (feet) PID Description Comments/Recovery 0-1' Gravel and asphalt cap 0 1-4' Gray silty sand, some medium gravel, dry 1 2 1' layer as above, brown 963 3 >850 4 4-5' Gray silty sand, some medium gravel wet, odor 1163 Sample @ 5' 5 Refusal @ 5' 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

21

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Storage Tank Management Services

Boring ID GP-15/MW-4

Site Name:	Site Name: Wark's Liberty Station					Date: March 11, 2022					
Site/Boring Location: 300 Montgomery Avenue				Subcontra	ctor:	C.S. Gark	oer				
Merion Station, I	PA 19066			Drilling Me	ethod:	Geo	oprobe / .	Air Percussion			
Weather:	Sunny, 60's			Borehole I	Dia.:		2"	/ 3"			
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW:	11.50'	DTR:	NA				

	epth (feet)	Description	PID	Comments/Recovery
0	0-1'	Asphalt	0.2	0-4'; 2'/4' recovery
1	1-4'	Brown silt	0.2	
2				
3				
$\ \ \ $				
4	4-8'	Brown and grey silty clayey sand, moist	0.2	
5			28	
6			163	
7			28	
			11	
8	8-12'	Blueish gray clay, moist, odors	0.2	
9			0.9	
10			4.3	
11			448	
			1	Sample @ 11.5'
12	12-16'	Brown clay, moist, odors	561	
			661	
13			120	
14			236	
			112.5	
15		6" brown clay	221	
			67.1	
16	16-19'	Dark brown clay with quartz fragments coarsening with depth, moist, odors	11.7	
17			14.4	
			10.4	
18			11	
19			22.2	
		Refusal @ 19'		Well Construction Details:
20				0-7' - 2" PVC Riser 7-17' - 2" 10-slot PVC Screen
21				7, 1, -2 10-SIOUR VC SCIECTI
				Concrete Well Pad w/ Flushmount
22			1	0-6' - Bentonite Seal
23				6-7' - Annulus fill is unknown 7-17' - Sand
23				/-1 /

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Storage Tank Management Services

Boring ID GP-16

Site Name:	Wark's Liberty Station	า		Date: Mare	ch 11, 2022
Site/Boring Location: 300 Montgomery Avenue				Subcontractor:	C.S. Garber
Merion Station, PA 19066				Drilling Method:	Geoprobe
Weather:	Sunny, 60's			Borehole Dia.:	2"
CPTS oversight:	Alexandra Gibat	Verified By:	Carl Rinkevich, PG	DTW: NA	DTR: NA

	Depth (feet)	Description	PID	Comments/Recovery
0	0-4'	Brown sandy silt, no odor		0-4'; 2.5'/4' recovery
1			8.9	
2				
3				
4	4-7'	Brown sandy silt with medium gravel, no odor		
5				
6				
7	7'	refusal on compacted dense sand		Sample @ 7'
8		Refusal @ 7'		
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20 21				
21				

CENTER POINT TANK SERVICES INC Storage Tank Management Services Site Name: Wark's Liberty Station Date: February 8, 2023 Site/Boring Location: North end of lot, behind garage Subcontractor: C.S. Garber Drilling Method: Air Rotary

Verified By: Carl Rinkevich, P.G.

Borehole Dia.:

DTW:

3"

N/A

13.7' **DTB:**

Weather:

CPTS oversight:

Sunny, 40's

Abigail Atkinson

	Depth (feet)	Description	PID	Comments/Recovery
0		Asphalt		No odors observed in the borehole.
		Fill material		
2		Sandy loam, non-plastic, no odor, moist Brown sandy silt, non-plastic, no odor, wet		
4	- 1	promisency step from plasticy fro each, wet		
6				
8				
10				
12				
14				
16				
		End of boring @ 17.5'		Well Construction Details:
18				0-2.5' - 2" PVC Riser 2.5-17.5' - 2" 10-slot PVC Screen
20				2.5-17.5 - 2 10-Slot PVC Screen
				Concrete Well Pad w/ Flushmount
22				0-2.5' - Annulus construction unknown
24				2.5-17.5' - Sand
26				
28				
30				
32				
34				
36				

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Storage Tank Management Services

Boring ID MW-6

Site Name: Wark's Liberty Station			Date: February 8, 2023				
Site/Boring Location: Behind garage			Subcontractor: C.S. Garber				
				Drilling Method:	Air Rotary		
Weather: Sunny, 40's			Borehole Dia.: 3"				
CPTS oversight:	Abigail Atkinson \	/erified Bv:	Carl Rinkevich, PG	DTW: 12.4'	DTB:	19'	

1' Asphalt		0-5' - No Recovery
		No odors observed in borehole
o-8' Sandy silt, hard, moist, non-pla	istic	
1' Silt, moist		
12' Silt loam, micaceous, moist		
		12-14' - Wet
Sandy loam, dry		
19' Various colored sandy, moist		
End of boring @ 19'		Well Construction: 0-2' - 2" PVS Riser
		2-17' - 2" 10-Slot PVC Screen
		Concrete Well Pad w/ Flushmount
		0-2' - Annulus construction
		unknown 2-17' - Sand
		Z 17 Sunu
	Silt, moist Silt loam, micaceous, moist Sandy loam, dry	Sandy silt, hard, moist, non-plastic Silt, moist Silt loam, micaceous, moist Sandy loam, dry Various colored sandy, moist

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Storage Tank Management Services

Boring ID MW-7

Site Name:	Wark's Liberty Sta	ation		Date:	Febru	ary 8, 2023	3	
Site/Boring Location: South end of lot, behind garage			ge	Subcontractor: C.S. Garber				
				Drilling M	lethod:	Air Rotary		
Weather:	Sunny, 40's			Borehole	Dia.:	3"		
CPTS oversight:	Abigail Atkinson	Verified By:	Carl Rinkevich, PG	DTW:	9.3'	DTB:	N/A	

	Depth (feet)	Description	PID	Comments/Recovery
0	0-0.5'	Asphalt		
2				
4	4-7'	Sandy silt, moist		
6				
	7-8'	Clay, plastic		
8	8-12'	Red sandy clay, moist		
10				
12	12-17'	Micaceous silt, wet, non-plastic		
	12 17	interested site, wet, non plastic		
14				
16				
10		5 1 (1) 1 0 (5)		
18		End of boring @ 17'		Well Construction: 0-2' - 2" PVS Riser
20				2-17' - 2" 10-Slot PVC Screen
22				Concrete Well Pad w/ Flushmount
				0-2' - Annulus construction
24				unknown 2-17' - Sand
26				2 17 - Janu
20				
28				
30				
32				
34				
36				