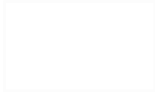


ISTR Operations Monthly Progress Report

Reporting Period: March 2022



**Operable Unit 3 VOC Source Area Remedy
Former Grumman Settling Ponds, Bethpage, NY**

NYSDEC Site No. 130003A

May 4, 2022

In-Situ Thermal Remediation (ISTR) Operations Monthly Progress Report

Prepared per Section 8.2 of the OU3 Remedial Action Work Plan (RAWP) and DER-10, Section 5.7(b):

1. Remedy Progress / Performance Monitoring
2. Ambient Air
3. Significant Activities
4. Schedule / Proposed Modifications
5. Data Tables

ISTR Operations Summary

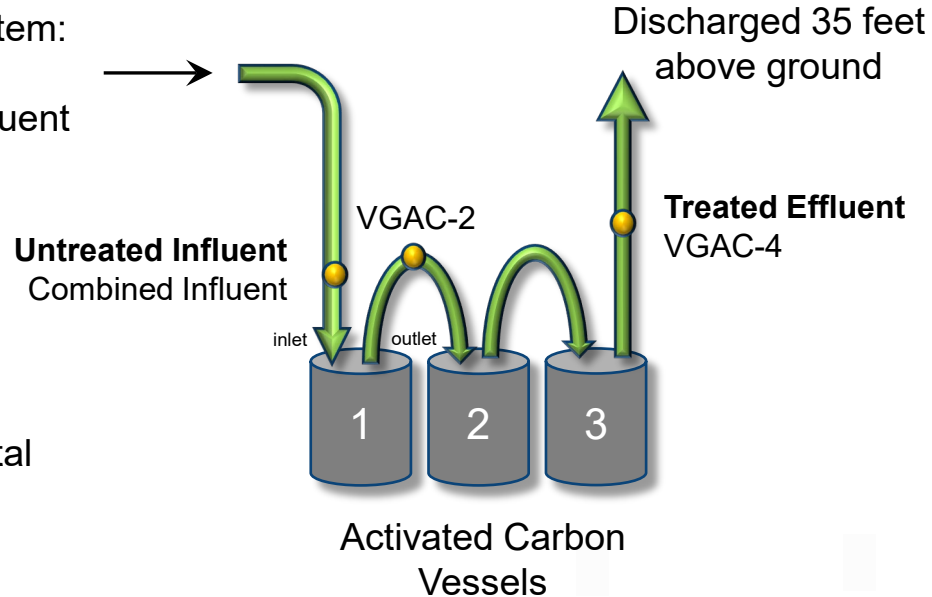
- Vapor treatment system air emissions are shown on slide 7.
- Site-wide air emissions will be reported in the next OM&M reports for the OU3 SGCS and GWCS and compared to the emissions limits specified in the 8/12/21 “Proposed Modifications to the OU3 SGCS.”
- No liquid discharges to the OU3 GWCS.

Reporting Period: March 2022

System Startup	8/26/2020
Days of Operation Since Startup	583
Estimated cumulative TVOC Mass Removed before Crossover to OU3 SGCS (through 10/18/21), lbs	1,366
Estimated cumulative TVOC Mass Removed after Crossover to OU3 SGCS (through 3/28/22), lbs	10.6
Average TVOC Mass Recovery Rate for Reporting Period, lb/day	0.07

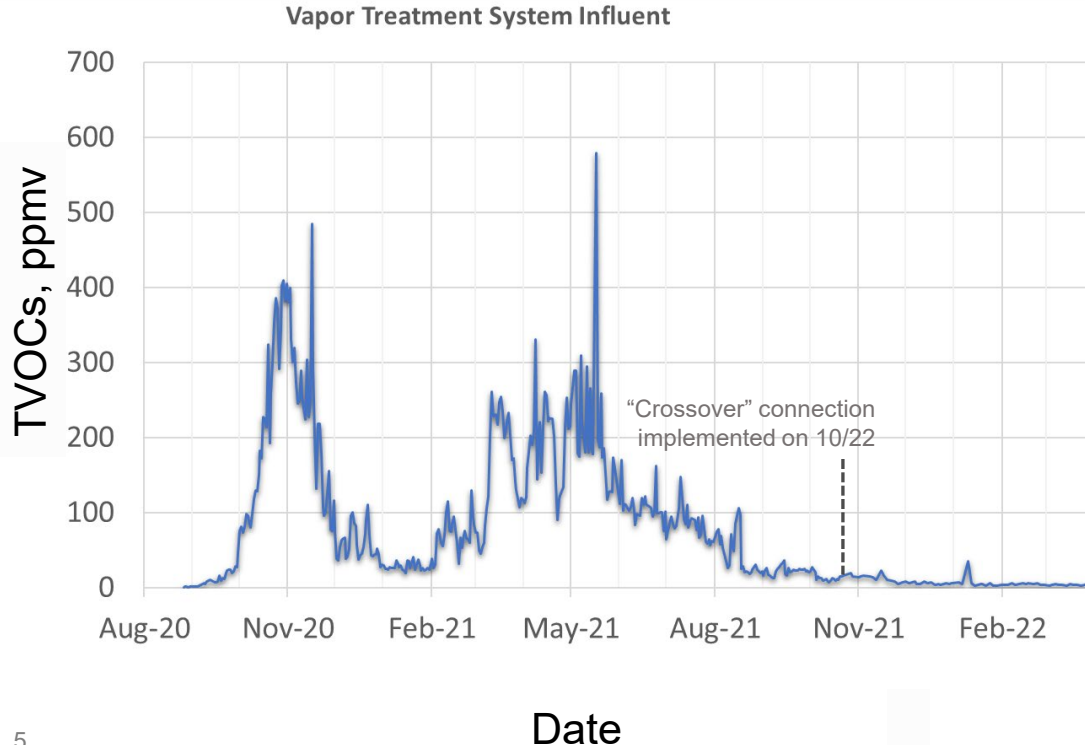
Vapor Treatment System following Crossover

- From extraction system:
- SGCS Header
- ISTR Wellfield Influent



- Vapor Treatment System Sampling Locations, 5 total

Vapor Treatment System Influent (PID)



Influent TVOC concentration (PID) on March 28*:

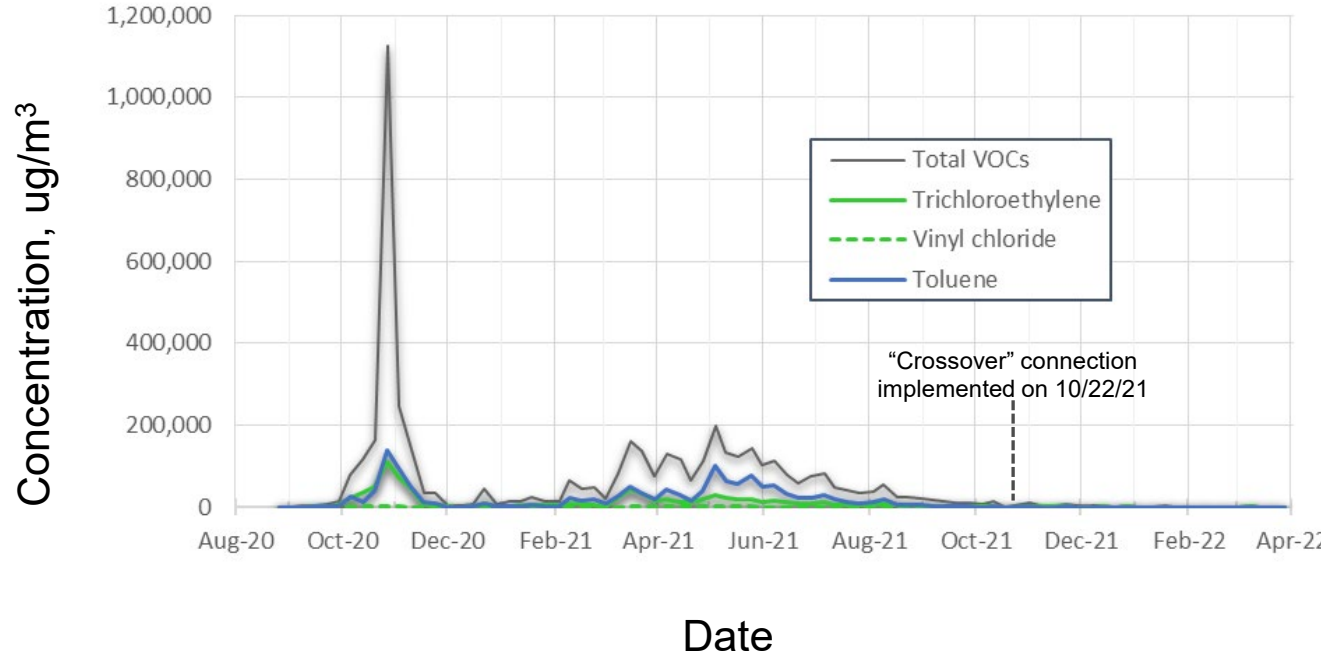
- 3.8 ppmv

Maximum influent TVOC concentration (PID) during March reporting period:

- 5.1 ppmv (March 7)

** Influent concentration for ISTR wellfield vapor stream only*

Vapor Treatment System Influent (Summa)



Influent concentrations (Summa) on 3/28*:

- TVOCs = 1,968 $\mu\text{g}/\text{m}^3$
- TCE = 726 $\mu\text{g}/\text{m}^3$
- Vinyl chloride = 42 $\mu\text{g}/\text{m}^3$

* Influent sample collected from the "Wellfield Influent" sampling location starting 11/1/21

Vapor treatment system analytical results for March provided in Table 1

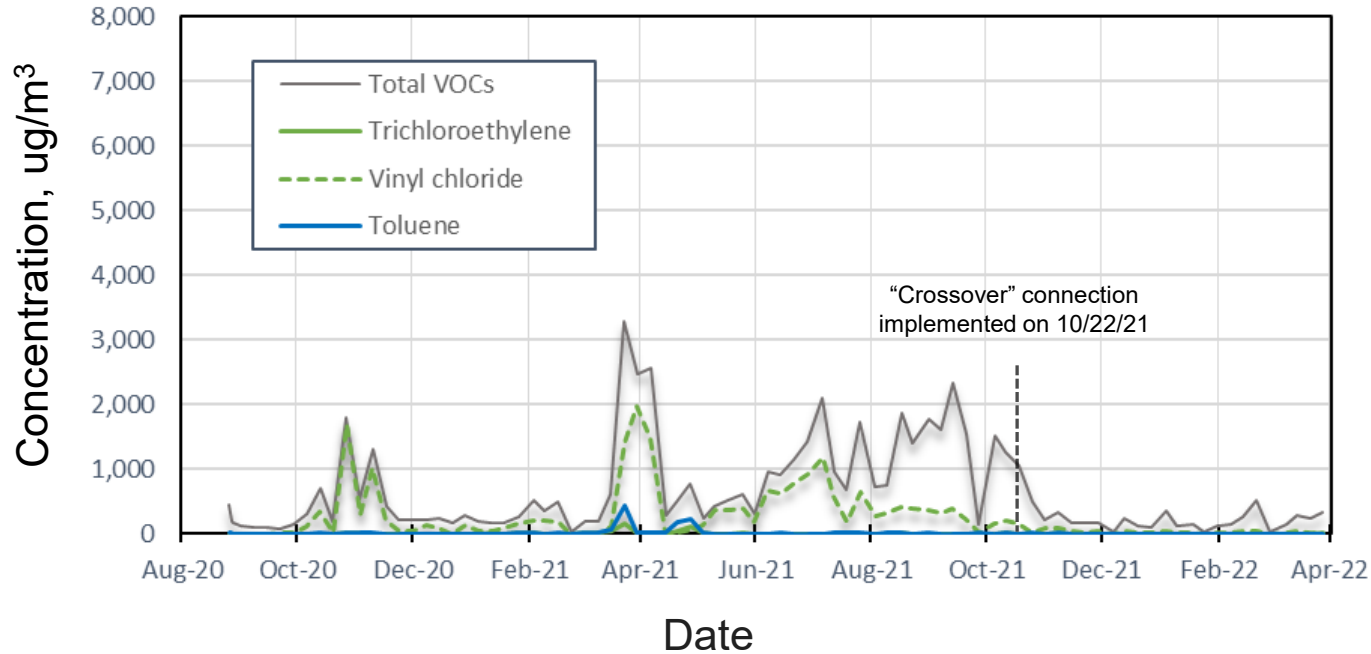
Vapor Treatment System Effluent (Summa)

Effluent concentrations (Summa) on 3/28*:

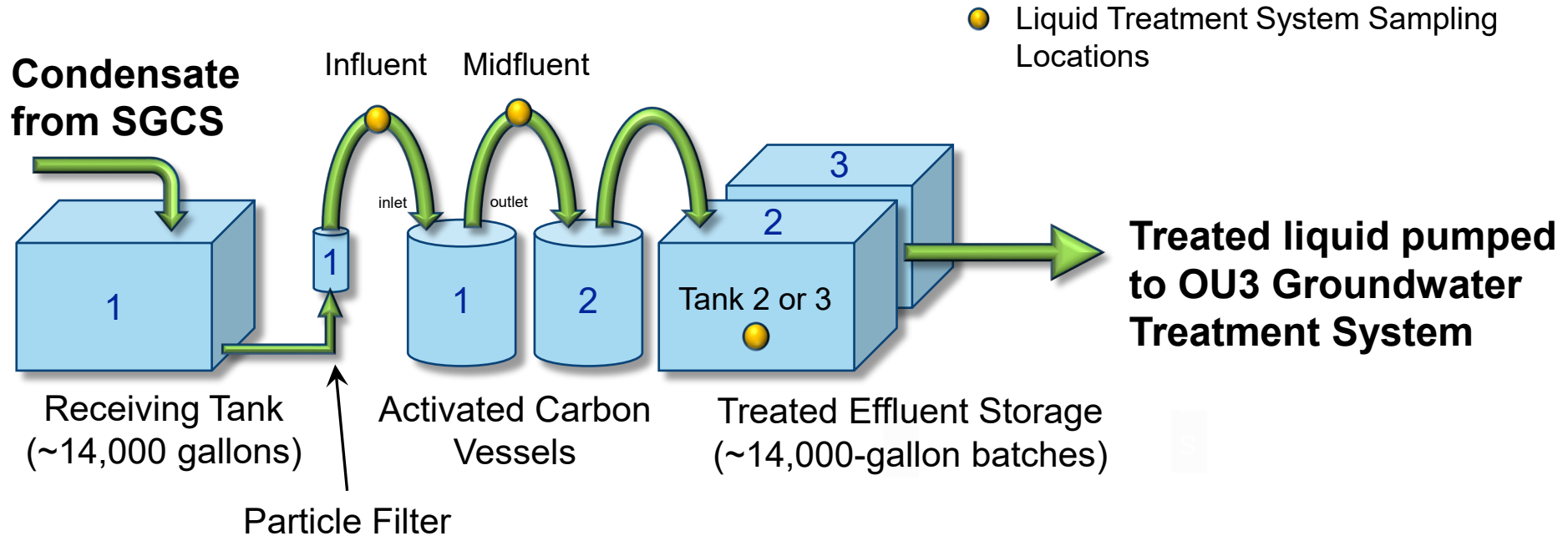
- TVOCs = 332 ug/m³
- TCE = 5.4 ug/m³
- Vinyl chloride = 24 ug/m³

* Effluent sample collected from the "VGAC-4" sampling location starting 11/1/21

Vapor treatment system analytical results for March provided in Table 1



Liquid Treatment System



Cumulative Liquid Produced

- No treated effluent discharged to OU3 groundwater treatment system during reporting period.
- Cumulative total volume extracted and treated to date: ~268,704 gallons.

Significant Activities

March 2022

Major equipment repairs and significant downtime:

- None.

Other significant activities:

- Continued to purge water from shallow VEWs.

Planned Significant Activities During Next Two Months

- Maintain vapor extraction and treatment system operation, monitoring, and maintenance at the modified OU3 SGCS in preparation for system shutdown.
- Continue purging water from shallow VEWs.

Schedule

Activity	RAWP Schedule	Current Status
Remedial System Operation	Q3/20 – Q1/21	Q3/20 – Q2/22
Post-Treatment Confirmation Sampling	Q1/21	Complete
Remedy Cool-down	Q1/21-Q2-21	Q1/21 – Q2/22
Equipment Removal & Site Restoration	Q2/21	Q3/22

Pending RAWP Modifications

None

NORTHROP
GRUMMAN

The logo symbol consists of a thick horizontal line on the right side of the word "NORTHROP", which extends to the right and then turns 90 degrees downward to form a vertical line. This symbol is positioned to the right of the word "GRUMMAN".

**Table 1. Vapor Treatment System Air Sampling Results
Routine Monitoring**



Compound (ug/m ³)	Sample ID:	WELLFIELD	COMBINED	VGAC-2	DUPLICATE	VGAC-4		
	Lab Sample ID:	INFLUENT A	INFLUENT		(VGAC-2)			
	Date Sampled:	JD41023-1 3/9/2022	JD41023-2 3/9/2022	JD41023-3 3/9/2022	JD41023-5 3/9/2022	JD41023-4 3/9/2022		
1,1,1-Trichloroethane	<	0.82	1.0 J	<	0.82	<	0.82	
1,1,2,2-Tetrachloroethane	<	1.3	<	1.3	<	1.3	<	1.3
1,1,2-Trichloroethane	<	0.82	<	0.82	<	0.82	<	0.82
1,1-Dichloroethane		8.5	4.9	1.9 J	3.0 J	3.0 J		
1,1-Dichloroethylene		5.2	2.3	<	0.95	<	0.95	
1,2,4-Trichlorobenzene	<	3.6	<	3.6	<	3.6	<	3.6
1,2,4-Trimethylbenzene		7.9	<	1.7	<	1.7	<	1.7
1,2-Dibromoethane (EDB)	<	3.0	<	3.0	<	3.0	<	3.0
1,2-Dichloroethane	<	1.1	<	1.1	<	1.1	<	1.1
1,2-Dichloropropane	<	1.2	<	1.2	<	1.2	<	1.2
1,3,5-Trimethylbenzene		6.4	<	1.6	<	1.6	<	1.6
1,3-Butadiene	<	0.75	<	0.75	<	0.75	<	0.75
1,4-Dioxane	<	1.7	<	1.7	<	1.7	<	1.7
2,2,4-Trimethylpentane		1.6	6.5	<	1.8	<	1.8	
2-Chlorotoluene	<	1.5	<	1.5	<	1.5	<	1.5
2-Hexanone		16	<	2.4	<	2.4	<	2.4
3-Chloropropene	<	1.0	<	1.0	<	1.0	<	1.0
4-Ethyltoluene		7.9	<	1.9	<	1.9	<	1.9
Acetone (2-Propanone)		252	99.1	29.7	35.2	17		
Benzene		2.7	<	0.80	<	0.80	<	0.80
Benzyl Chloride	<	2.6	<	2.6	<	2.6	<	2.6
Bromodichloromethane	<	0.80	<	0.80	<	0.80	<	0.80
Bromoethene	<	1.0	<	1.0	<	1.0	<	1.0
Bromoform	<	2.9	<	2.9	<	2.9	<	2.9
Bromomethane	<	1.1	<	1.1	<	1.1	<	1.1
Carbon disulfide		4.4	1.8 J	<	0.56	1.4 J	4.0	
Carbon tetrachloride	<	1.0	<	1.0	<	1.0	<	1.0
Chlorobenzene	<	1.4	<	1.4	<	1.4	<	1.4
Chloroethane	<	0.71	<	0.71	<	0.71	<	0.71
Chloroform		2.0 J	11	3.8 J	7.3	6.8		
Chloromethane		1.7	1.2 J	1.6 J	1.3 J	1.7		
cis-1,2-Dichloroethylene		472	199	63.8	130	39		
cis-1,3-Dichloropropene	<	1.1	<	1.1	<	1.1	<	1.1
Cyclohexane		5.9	2.3 J	<	1.5	<	1.5	
Dibromochloromethane	<	1.8	<	1.8	<	1.8	<	1.8
Dichlorodifluoromethane		2.0 J	1.9 J	<	0.64	1.9 J	2.1 J	
Ethanol		9.4	5.8	64.4	21.9	7.5		
Ethyl Acetate		6.5	3.0	5.0	7.6	6.5		
Ethylbenzene		69.9	17	<	1.0	<	1.0	
Freon 113	<	0.92	<	0.92	<	0.92	<	0.92
Freon 114	<	1.4	<	1.4	<	1.4	<	1.4
Heptane		23	8.2	<	1.5	<	1.5	
Hexachlorobutadiene	<	2.7	<	2.7	<	2.7	<	2.7
Hexane		2.0 J	<	1.6	2.7 J	<	1.6	
Isopropyl Alcohol	<	1.4	5.9	48.2	15	11		
m,p-Xylene		192	42	<	2.4	<	2.4	
m-Dichlorobenzene	<	0.96	<	0.96	<	0.96	<	0.96
Methyl ethyl ketone		74.9	26	1.5 J	<	1.3	2.3 J	
Methyl Isobutyl Ketone		5.3	<	1.2	<	1.2	<	1.2
Methyl Tert Butyl Ether	<	1.2	<	1.2	<	1.2	<	1.2
Methylene chloride		3.5	2.7 J	8.7	<	0.76	3.3	
Methylmethacrylate	<	1.1	<	1.1	<	1.1	<	1.1
o-Dichlorobenzene	<	3.7	<	3.7	<	3.7	<	3.7
o-Xylene		62.5	13	<	1.3	<	1.3	
p-Dichlorobenzene	<	4.6	<	4.6	<	4.6	<	4.6
Propylene		22.5	10	5.3	10	10		
Styrene	<	2.0	<	2.0	<	2.0	<	2.0
Tertiary Butyl Alcohol		3.3	1.5 J	1.4 J	<	1.1	<	1.1
Tetrachloroethylene		5.8	2.4	<	0.38	<	0.38	
Tetrahydrofuran	<	1.1	<	1.1	<	1.1	<	1.1
Toluene		848	249	6.0	<	0.87	1.8 J	
trans-1,2-Dichloroethylene		16	7.1	2.5 J	4.4	1.8 J		
trans-1,3-Dichloropropene	<	1.8	<	1.8	<	1.8	<	1.8
Trichloroethylene		1000	413	23	49	1.5		
Trichlorofluoromethane	<	0.79	<	0.79	<	0.79	<	0.79
Vinyl Acetate	<	1.6	<	1.6	<	1.6	<	1.6
Vinyl chloride		59.6	24	12	20	20		
Xylenes (total)		255	55.6	<	1.3	<	1.3	
Total (TO-15)		3,215	1,162	282	308	139		

Footnotes:

ug/mg3 micrograms per cubic meter

< Compound was not detected at or above the indicated value.

J Detected concentration is less than the quantitation limit.

TVOCs Total volatile organic compounds

**Table 1. Vapor Treatment System Air Sampling Results
Routine Monitoring**

Compound (ug/m ³)	Sample ID:	WELLFIELD	COMBINED	VGAC-2	VGAC-4						
	Lab Sample ID:	INFLUENT A	INFLUENT								
	Date Sampled:	JD41291-1 3/14/2022	JD41291-5 3/14/2022	JD41291-3 3/14/2022	JD41291-4 3/14/2022						
1,1,1-Trichloroethane	<	0.82	<	0.82	3.9	<	0.82				
1,1,2,2-Tetrachloroethane	<	1.3	<	1.3	<	1.3	<	1.3			
1,1,2-Trichloroethane	<	0.82	<	0.82	<	0.82	<	0.82			
1,1-Dichloroethane		5.7		3.3		9.3		9.3			
1,1-Dichloroethylene		2.9		1.7		3.4		4.0			
1,2,4-Trichlorobenzene	<	3.6	<	3.6	<	3.6	<	3.6			
1,2,4-Trimethylbenzene		3.3	J	2.5	J	<	1.7	<	1.7		
1,2-Dibromoethane (EDB)	<	3.0	<	3.0	<	3.0	<	3.0			
1,2-Dichloroethane	<	1.1	<	1.1	<	1.1	<	1.1			
1,2-Dichloropropane	<	1.2	<	1.2	<	1.2	<	1.2			
1,3,5-Trimethylbenzene		2.7	J	<	1.6	<	1.6	<	1.6		
1,3-Butadiene	<	0.75	<	0.75	<	0.75	<	0.75			
1,4-Dioxane	<	1.7	<	1.7	<	1.7	<	1.7			
2,2,4-Trimethylpentane		9.8		4.2		2.9	J	<	1.8		
2-Chlorotoluene	<	1.5	<	1.5	<	1.5	<	1.5			
2-Hexanone		12		<	2.4	<	2.4	<	2.4		
3-Chloropropene	<	1.0	<	1.0	<	1.0	<	1.0			
4-Ethyltoluene		2.9	J	<	1.9	<	1.9	<	1.9		
Acetone (2-Propanone)		203		115		134		24.7			
Benzene		3.1		<	0.80	<	0.80	<	0.80		
Benzyl Chloride	<	2.6	<	2.6	<	2.6	<	2.6			
Bromodichloromethane	<	0.80	<	0.80	<	0.80	<	0.80			
Bromoethene	<	1.0	<	1.0	<	1.0	<	1.0			
Bromoform	<	2.9	<	2.9	<	2.9	<	2.9			
Bromomethane	<	1.1	<	1.1	<	1.1	<	1.1			
Carbon disulfide		3.0		<	0.56		2.8		6.5		
Carbon tetrachloride	<	1.0	<	1.0	<	1.0	<	1.0			
Chlorobenzene	<	1.4	<	1.4	<	1.4	<	1.4			
Chloroethane	<	0.71	<	0.71	<	0.71	<	0.71			
Chloroform	<	0.73		8.8		27		24			
Chloromethane		1.2	J		1.8		1.3	J		1.5	J
cis-1,2-Dichloroethylene		287		133		420		130			
cis-1,3-Dichloropropene	<	1.1	<	1.1	<	1.1	<	1.1			
Cyclohexane		3.2		<	1.5		3.0		<	1.5	
Dibromochloromethane	<	1.8	<	1.8	<	1.8	<	1.8			
Dichlorodifluoromethane	<	0.64		2.4	J	<	0.64		2.3	J	
Ethanol		13		38.3		19.6		16			
Ethyl Acetate		7.9		<	1.5	<	1.5	<	1.5		
Ethylbenzene		30		15		<	1.0	<	1.0		
Freon 113	<	0.92	<	0.92	<	0.92	<	0.92			
Freon 114	<	1.4	<	1.4	<	1.4	<	1.4			
Heptane		11		4.9		<	1.5	<	1.5		
Hexachlorobutadiene	<	2.7	<	2.7	<	2.7	<	2.7			
Hexane		1.7	J	<	1.6	<	1.6	<	1.6		
Isopropyl Alcohol	<	1.4		14		21		15			
m,p-Xylene		71.7		35		<	2.4	<	2.4		
m-Dichlorobenzene	<	0.96	<	0.96	<	0.96	<	0.96			
Methyl ethyl ketone		60.5		21		5.3		1.8	J		
Methyl Isobutyl Ketone		4.5		1.9	J	<	1.2	<	1.2		
Methyl Tert Butyl Ether	<	1.2	<	1.2	<	1.2	<	1.2			
Methylene chloride		3.4		7.3		5.2		5.6			
Methylmethacrylate	<	1.1	<	1.1	<	1.1	<	1.1			
o-Dichlorobenzene	<	3.7	<	3.7	<	3.7	<	3.7			
o-Xylene		25		14		<	1.3	<	1.3		
p-Dichlorobenzene	<	4.6	<	4.6	<	4.6	<	4.6			
Propylene		17.9		5.3		<	0.98		6.4		
Styrene	<	2.0	<	2.0	<	2.0	<	2.0			
Tertiary Butyl Alcohol		5.5		3.9		8.8		<	1.1		
Tetrachloroethylene		4.7		2.2		<	0.38	<	0.38		
Tetrahydrofuran	<	1.1	<	1.1		1.7	J	<	1.1		
Toluene		346		153		6.0		<	0.87		
trans-1,2-Dichloroethylene		10		4.4		11		4.8			
trans-1,3-Dichloropropene	<	1.8	<	1.8	<	1.8	<	1.8			
Trichloroethylene		650		272		586		<	0.41		
Trichlorofluoromethane	<	0.79	<	2.9		2.2	J		3.7		
Vinyl Acetate	<	1.6	<	2.6	J	<	1.6		1.6	J	
Vinyl chloride		35.5		17		23		30.7			
Xylenes (total)		96.4		49.1		<	1.3	<	1.3		
Total (TO-15)		1,838		888		1,297		288			

Footnotes:
ug/mg³ micrograms per cubic meter
< Compound was not detected at or above the indicated value.
J Detected concentration is less than the quantitation limit.
TVOCs Total volatile organic compounds

**Table 1. Vapor Treatment System Air Sampling Results
Routine Monitoring**

Compound (ug/m ³)	Sample ID:	WELLFIELD	COMBINED	VGAC-2	VGAC-4						
	Lab Sample ID:	INFLUENT A	INFLUENT								
	Date Sampled:	JD41683-1 3/21/2022	JD41683-3 3/21/2022	JD41683-4 3/21/2022	JD41683-5 3/21/2022						
1,1,1-Trichloroethane	<	0.82	<	0.82	<	0.82					
1,1,2,2-Tetrachloroethane	<	1.3	<	1.3	<	1.3					
1,1,2-Trichloroethane	<	0.82	<	0.82	<	0.82					
1,1-Dichloroethane		7.3		4.9	<	0.93					
1,1-Dichloroethylene		3.6		1.8	<	0.95					
1,2,4-Trichlorobenzene	<	3.6	<	3.6	<	3.6					
1,2,4-Trimethylbenzene		2.1	J	4.6	<	1.7					
1,2-Dibromoethane (EDB)	<	3.0	<	3.0	<	3.0					
1,2-Dichloroethane	<	1.1	<	1.1	<	1.1					
1,2-Dichloropropane	<	1.2	<	1.2	<	1.2					
1,3,5-Trimethylbenzene	<	1.6		3.4	J	<	1.6				
1,3-Butadiene	<	0.75	<	0.75	<	0.75					
1,4-Dioxane	<	1.7	<	1.7	<	1.7					
2,2,4-Trimethylpentane		8.9		4.7		<	1.8				
2-Chlorotoluene	<	1.5	<	1.5	<	1.5					
2-Hexanone		7.4		<	2.4	<	2.4				
3-Chloropropene	<	1.0	<	1.0	<	1.0					
4-Ethyltoluene		2.2	J		3.5	J	<	1.9			
Acetone (2-Propanone)		186		84.3		2.6		21			
Benzene		3.8		<	0.80		8.0	<	0.80		
Benzyl Chloride	<	2.6	<	2.6	<	2.6	<	2.6			
Bromodichloromethane	<	0.80	<	0.80	<	0.80	<	0.80			
Bromoethene	<	1.0	<	1.0	<	1.0	<	1.0			
Bromoform	<	2.9	<	2.9	<	2.9	<	2.9			
Bromomethane	<	1.1	<	1.1	<	1.1	<	1.1			
Carbon disulfide		3.4		1.5	J	<	0.56		3.4		
Carbon tetrachloride	<	1.0	<	1.0	<	1.0	<	1.0			
Chlorobenzene	<	1.4	<	1.4	<	1.4	<	1.4			
Chloroethane	<	0.71	<	0.71	<	0.71	<	0.71			
Chloroform		1.9	J		12		<	0.73		10	
Chloromethane		1.7		1.5	J		<	0.74		0.74	
cis-1,2-Dichloroethylene		375		198		7.1		75.7			
cis-1,3-Dichloropropene	<	1.1	<	1.1	<	1.1	<	1.1			
Cyclohexane		3.4		1.6	J		<	1.5		1.5	
Dibromochloromethane	<	1.8	<	1.8	<	1.8	<	1.8			
Dichlorodifluoromethane		2.8	J		2.7	J	<	0.64		2.9	J
Ethanol		14		8.7		<	3.0		19		
Ethyl Acetate	<	1.5		14		<	1.5		17		
Ethylbenzene		17		21		3.6		<	1.0		
Freon 113	<	0.92	<	0.92	<	0.92	<	0.92			
Freon 114	<	1.4	<	1.4	<	1.4	<	1.4			
Heptane		8.6		5.3		<	1.5		1.5		
Hexachlorobutadiene	<	2.7	<	2.7	<	2.7	<	2.7			
Hexane		3.1		<	1.6	<	1.6	<	1.6		
Isopropyl Alcohol		72.0		29.5		<	1.4		68.3		
m,p-Xylene		40		56.9		4.3		<	2.4		
m-Dichlorobenzene	<	0.96	<	0.96	<	0.96	<	0.96			
Methyl ethyl ketone		48.1		23		<	1.3		1.3		
Methyl Isobutyl Ketone		2.9	J		<	1.2	<	1.2			
Methyl Tert Butyl Ether	<	1.2	<	1.2	<	1.2	<	1.2			
Methylene chloride		3.8		3.8		<	0.76		5.2		
Methylmethacrylate	<	1.1	<	1.1	<	1.1	<	1.1			
o-Dichlorobenzene	<	3.7	<	3.7	<	3.7	<	3.7			
o-Xylene		13		21		<	1.3		1.3		
p-Dichlorobenzene	<	4.6	<	4.6	<	4.6	<	4.6			
Propylene		25.9		8.4		<	0.98		9.1		
Styrene	<	2.0	<	2.0	<	2.0	<	2.0			
Tertiary Butyl Alcohol		4.5		2.0	J		<	1.1		1.1	
Tetrachloroethylene		3.6		5.4		<	0.38		0.38		
Tetrahydrofuran	<	1.1	<	1.1	<	1.1	<	1.1			
Toluene		253		188		3.3		<	0.87		
trans-1,2-Dichloroethylene		13		6.7		<	1.1		3.6		
trans-1,3-Dichloropropene	<	1.8	<	1.8	<	1.8	<	1.8			
Trichloroethylene		650		461		<	0.41		0.41		
Trichlorofluoromethane	<	0.79	<	0.79	<	0.79	<	0.79			
Vinyl Acetate	<	1.6	<	1.6	<	1.6	<	1.6			
Vinyl chloride		47.0		16		<	0.72		12		
Xylenes (total)		53.4		78.2		4.3		<	1.3		
Total (TO-15)		1,829		1,196		28.9		247			

Footnotes:
ug/mg³ micrograms per cubic meter
< Compound was not detected at or above the indicated value.
J Detected concentration is less than the quantitation limit.
TVOCs Total volatile organic compounds

**Table 1. Vapor Treatment System Air Sampling Results
Routine Monitoring**

Compound (ug/m ³)	Sample ID:	WELLFIELD	COMBINED	VGAC-2	VGAC-4							
	Lab Sample ID:	INFLUENT A	INFLUENT									
	Date Sampled:	JD42095-1 3/28/2022	JD42095-2 3/28/2022	JD42095-3 3/28/2022	JD42095-4 3/28/2022							
1,1,1-Trichloroethane	<	0.82	<	0.82	2.6	<	0.82					
1,1,2,2-Tetrachloroethane	<	1.3	<	1.3	<	1.3	<	1.3				
1,1,2-Trichloroethane	<	0.82	<	0.82	<	0.82	<	0.82				
1,1-Dichloroethane		8.1		4.0		8.9		7.7				
1,1-Dichloroethylene		3.7	<	0.95		2.8		2.6				
1,2,4-Trichlorobenzene	<	3.6	<	3.6	<	3.6	<	3.6				
1,2,4-Trimethylbenzene		1.9	J	<	1.7	<	1.7	<	1.7			
1,2-Dibromoethane (EDB)	<	3.0	<	3.0	<	3.0	<	3.0				
1,2-Dichloroethane	<	1.1	<	1.1	<	1.1	<	1.1				
1,2-Dichloropropane	<	1.2	<	1.2	<	1.2	<	1.2				
1,3,5-Trimethylbenzene	<	1.6	<	1.6	<	1.6	<	1.6				
1,3-Butadiene	<	0.75	<	0.75	<	0.75	<	0.75				
1,4-Dioxane	<	1.7	<	1.7	<	1.7	<	1.7				
2,2,4-Trimethylpentane	<	1.8		7.0		2.8	J	<	1.8			
2-Chlorotoluene	<	1.5	<	1.5	<	1.5	<	1.5				
2-Hexanone		4.5		2.8	J	<	2.4	<	2.4			
3-Chloropropene	<	1.0	<	1.0	<	1.0	<	1.0				
4-Ethyltoluene	<	1.9	<	1.9	<	1.9	<	1.9				
Acetone (2-Propanone)		128		48.5		40.4		19				
Benzene		3.5	<	0.80	<	0.80	<	0.80				
Benzyl Chloride	<	2.6	<	2.6	<	2.6	<	2.6				
Bromodichloromethane	<	0.80	<	0.80	<	0.80	<	0.80				
Bromoethene	<	1.0	<	1.0	<	1.0	<	1.0				
Bromoform	<	2.9	<	2.9	<	2.9	<	2.9				
Bromomethane	<	1.1	<	1.1	<	1.1	<	1.1				
Carbon disulfide		2.8	<	0.56		1.4	J		3.0			
Carbon tetrachloride	<	1.0	<	1.0	<	1.0	<	1.0				
Chlorobenzene	<	1.4	<	1.4	<	1.4	<	1.4				
Chloroethane	<	0.71	<	0.71	<	0.71	<	0.71				
Chloroform	<	0.73		7.3		19		20				
Chloromethane		1.5	J		1.0	J	<	0.74		1.0	J	
cis-1,2-Dichloroethylene		376		153		298		153				
cis-1,3-Dichloropropene	<	1.1	<	1.1	<	1.1	<	1.1				
Cyclohexane		3.1		7.2		3.0		<	1.5			
Dibromochloromethane	<	1.8	<	1.8	<	1.8	<	1.8				
Dichlorodifluoromethane		2.2	J		2.2	J		2.3	J		2.7	J
Ethanol		35.0		14		28.3		36.2				
Ethyl Acetate		14		18		<	1.5		17			
Ethylbenzene		24		11		<	1.0		<	1.0		
Freon 113	<	0.92	<	0.92	<	0.92	<	0.92				
Freon 114	<	1.4	<	1.4	<	1.4	<	1.4				
Heptane		16		9.0		<	1.5		<	1.5		
Hexachlorobutadiene	<	2.7	<	2.7	<	2.7	<	2.7				
Hexane		2.4	J		25		2.1	J		<	1.6	
Isopropyl Alcohol		16		3.4		14		16				
m,p-Xylene		57.3		29		<	2.4		<	2.4		
m-Dichlorobenzene	<	0.96	<	0.96	<	0.96	<	0.96				
Methyl ethyl ketone		31.6		11		2.5		2.5				
Methyl Isobutyl Ketone		2.8	J		<	1.2		<	1.2			
Methyl Tert Butyl Ether	<	1.2	<	1.2	<	1.2	<	1.2				
Methylene chloride		3.2		8.3		2.7	J		2.8			
Methylmethacrylate	<	1.1	<	1.1	<	1.1	<	1.1				
o-Dichlorobenzene	<	3.7	<	3.7	<	3.7	<	3.7				
o-Xylene		20		11		<	1.3		<	1.3		
p-Dichlorobenzene	<	4.6	<	4.6	<	4.6	<	4.6				
Propylene		21.6		9.1		10		12				
Styrene	<	2.0	<	2.0	<	2.0	<	2.0				
Tertiary Butyl Alcohol		5.2		1.7	J		3.6		<	1.1		
Tetrachloroethylene		4.3		2.8		<	0.38		<	0.38		
Tetrahydrofuran	<	1.1	<	1.1	<	1.1	<	1.1				
Toluene		399		150		2.1	J		1.5	J		
trans-1,2-Dichloroethylene		13		4.8		8.3		5.6				
trans-1,3-Dichloropropene	<	1.8	<	1.8	<	1.8	<	1.8				
Trichloroethylene		726		308		433		5.4				
Trichlorofluoromethane	<	0.79	<	0.79	<	0.79	<	0.79				
Vinyl Acetate	<	1.6	<	1.6	<	1.6	<	1.6				
Vinyl chloride		41.7		13		19		24				
Xylenes (total)		76.9		40		<	1.3		<	1.3		
Total (TO-15)		1,968		862		907		332				

Footnotes:
ug/mg³ micrograms per cubic meter
< Compound was not detected at or above the indicated value.
J Detected concentration is less than the quantitation limit.
TVOCs Total volatile organic compounds