# Dashboard



DashBORED

CHARLOTTE WUTER Environmental Labora LOCATION: Inwin WWTP Set LOC ID: SAMPLE DATE TIME: 09/21 SAMPLE DESCRIPTION: C

#### WATER

#### **Environmental Laboratory Services**

LOCATION: Irwin WWTP Septage Manhole (I)

CHARLOTTE

parameter

T-038 SAMPLE DATE-TIME: 09/29/2020 01:42 SAMPLE DESCR

LOC ID:

Sample ID:

CHARLOTTE

WATER

**Environmental Laboratory Services** 

LOCATION: Irwin WWTP Septage Manhole (I)

Parameter

AH66047

SAMPLE DATE-TIME: 09/29/2020 01:43

SAMPLE DESCRIPTION: Composite

T-038

atory Analysis Report

RL

Sample ID:

AH66218 pH (Field)

Result

CHARLOTTE Laboratory Analysis Repo WOTER Report Date: 11/18/2020

Environmental Laboratory Services

LOCATION: Irwin WWTP Septage Manhole (I) SAMPLE DATE-TIME: 09/30/2020

660

246

<5.0

7.1

37

<5.0

6.8

150

< 0.2

Completed

Laboratory Analysis Report Report Date: 11/18/2020 15:05 CHAIN OF CUSTODY #: 200930014

Laboratory Analysis Report ~ Date: 11/18/2020 15:05 CHARLOTTE WOTER

Result Units Method Start Date / Time Analyst Deg. C SM2550B-11 SM4500H-B-11 09/30/2020 09/30/2020 09:23 MJB

13:01 SRP

07:55 MSC

21:07 RDB

21:07 RDB

21:07 RDB

10/03/2020 06:44 SRP

10/06/2020 01:30 KTG

10/06/2020 21:07 RDB

10/06/2020 21:07 RDB

10/06/2020 21:07 RDB

10/06/2020 21:07 RDB

10/05/2020 21:07 RDB

13:30 KTG

11:03 KTG 10/05/2020 07:57 WMC

08:00 MCK

09:30 MCK

15:38 MLL

15:38 MLL

10/06/2020 21:07 RDB

10/06/2020 21:07

09/30/2020 15:38 MLL 15:38 MLL

09/30/2020 15:38 MLL 15:38 MLL

15:38

15:38 MLL

15:38 MLL

10/01/2020

10/06/2020

10/06/2020

10/06/2020

10/06/2020

10/05/2020

10/06/2020

09/30/2020

09/30/2020

09/30/2020

Environmental Laboratory Services LOCATION: Irwin WWTP Septage Manhole (I) SAMPLE DATE-TIME: 09/30/2020 07:23 SAMPLE DESCRIPTION: Composite

Laboratory Analysis Report Report Date: 11/18/2020 15:05 CHAIN OF CUSTODY #: 200930014

SM2550B-11

SM4500H-B-11

HACH 8000

SM5210B-11

SM2540D-11

EPA 200.2

EPA 200.8

EPA 200,8

EPA 245.1

EPA 245.1

EPA 1664B

SCREEN EPA 624.1

SCREEN EPA 624.1

SCREEN EPA 524.1

SCREEN EPA 624.1

EPA 625.1

Parameter AH66218 Temperature (Field) AH66218 Result AH66218 Chemical Oxygen Demand Units Method AH66218 Carbonaceous BOD Start Date / Time Analyst AH65218 Total Suspended Solids - Balance 1 6.83 0.1 Deg. C

mg/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/E

ug/L

ug/L

50

50.0

39

5.0

5.0

2.0

5.0

5.0

2.0

0.2

5.0

ugg

ug/L

navr.

ug/L

Page 1 of 3

0.1 10.5 AH66047 Temperature (Field) 1.00 7.06 AH65945 AH66047 pH (Field) AH66047 Chemical Oxygen Demand 50 460 47 AH66047 Carbonaceous BOD AH66047 Total Suspended Solids - Balance 1 260 50.0 AH66047 Metals Digestion Complete <5.0 5.0 AH66047 Arsenic by ICPMS AH66218 Metals Digestion 1.0 AH66047 Cadmium by ICPMS <1.0 AH66218 Arsenic by ICPMS AH66218 Cadmium by ICPMS AH66047 Chromium by ICPMS 5.4 AH66218 Chromium by ICPMS 29 AH66047 Copper by ICPMS AH66218 Copper by ICPMS <5.0 AH66047 Lead by ICPMS AH66218 Lead by ICPMS AH66047 Molybdenum by ICP <5.0 AH66218 Molybdenum by ICP AH56047 Nickel by ICPMS 6.5 AH66218 Nickel by ICPMS <5.0 AH66047 Selenium by ICPMS AH66218 Selenium by ICPMS AH66047 Silver by ICPMS 3.2 AH66218 Silver by ICPMS 130 AH66047 Zinc by ICPMS AH66218 Zinc by ICPMS AH66218 Mercury, Total AH66047 Mercury, Total < 0.2 AH66047 Mercury, Total Digestion Completed AH66047 Continuous Liq-Liq Extraction Completed 30 AH66047 Hexane Extractable Material (O&C) AH66047 TCDD Screen Not detected AH66047 1,1,1-Trichloroethane AH66047 1.1.2.2-Tetrachloroethane AH66047 1,1,2-Trichloroethane AH66047 1.1-Dichloroethane AH66047 1.1-Dichloroethene AH66047 1.2-Dichlorobenzene AH66047 1,2-Dichloroethane AH66047 1.2-Dichloropropage AH66047 1,3-Dichlorobenzene AH66047 1,4-Dichlorobenzene AH66047 2-Chloroethylvinylether AH66047 Acrolein AH66047 Acrylonitrile

AH66218 Mercury, Total Digestion AH66218 Continuous Liq-Liq Extraction Hexane Extractable Material (OGG AH66218 TCDD Screen AH66218 1,1,1-Trichloroethane AH66218 1,1,2,2-Tetrachloroethane AH66218 1,1,2-Trichloroethane AH66218 1,1-Dichloroethane AH66218 1,1-Dichloroethene AH66218 1,2-Dichlorobenzene AH66218 1,2-Dichloroethane AH66218 1,2-Dichloropropane AH66218 1,3-Dichlorobenzene AH66218 1,4-Dichlorobenzene AH66218 2-Chloroethylvinylether AH66218 Acrolein AH66218 Acrylonitrile AH66218 Benzene AH56218 Bromodichloromethan AH66218 Bromoform AH66218 Bromomethane

AH66218 Ethylbenzene

AH66218 Toluene

Page 1 of 3

AH66218 Methylene chloride

AH66218 Trans-1,2-dichloroethene

AH66218 Trans-1,3-dichloropropene

ug/L

AH66218 Tetrachloroethene

AH66218 Carbon tetrachloride AH66218 Chlorobenzene AH66218 Chloroethane AH66218 Chloroform AH66218 Chloromethane AH56218 Cis-1,3,-dichloropropene AH66218 Dibromochloromethane

SCREEN EPA 624.1 09/30/2020 SCREEN EPA 624.1 09/30/2020 ug/L SCREEN EPA 624.1 09/30/2020 ug/L SCREEN EPA 624.1 15:38 MLL 09/30/2020 UQ/L SCREEN EPA 624.1 09/30/2020 15:38 ugr SCREEN EPA 624.1 15:38 MLL 08/30/2020 SCREEN EPA 624.1 09/30/2020 ug/L SCREEN EPA 624,1 09/30/2020 SCREEN EPA 624.1 ug/L SCREEN EPA 624.1 09/30/2020 ug/L

15:38 MLL 15:38 15:38 09/30/2020 15:38 MLL 15:38 MLL 15:38 MLL SCREEN EPA 624.1 09/30/2020 SCREEN EPA 624.1 09/30/2020 SCREEN EPA 624.1 09/30/2020 SCREEN EPA 624.1 15:38 09/30/2020 SCREEN EPA 624,1 09/30/2020 15:38 SCREEN EPA 624.1 09/30/2020 15:38 MLL SCREEN EPA 624.1 09/30/2020 15:38 MLL SCREEN EPA 624.1 SCREEN EPA 624.1 15:38 MLL 09/30/2020 15:38 MLL

d scope

SRP

SRP

MSC

KTG

RDB

RDB

RDB

RDB

RDB

RDR

RDB

RDB

KTG

KTG

WMC

MCK

MCK

MLL

MLL

MLL

MLL

8 MLL

8 MLL

JJM 8

8 MLL

8 MLL

8 MLL 8 MLL 8 MLL

MLL

8 MLL

8 MLL 8 MLL

8 MLL

MLL MLL

MLL

IS MLL

MLL

MLL

CHARLOTTE WUTER Environmental Laborato Sample LOCATION: Invin WWTP Septal LOCID: T-038
LOCID: SAMPLE DATE TIME: 09/28/2 AH6594 AH6594 AH6594 SAMPLE DESCRIPTION: AH6594 AH6594 AH6594 erature (Field) Sample ID: AH65945 pH (Field) Chemical Oxygen D AH65945 Carbonaceous BO AH6594 AH65945 Metals Digestion AH65945 Arsenic by ICPM AH65945 Cadmium by IC AH65945 Chromium by AH65945 Copper by ICF AH66945 Lead by ICPN AH65945 Molybdenum AH55945 Nickel by IC AH65945 Selenium t AH65945 Zinc by IC AH6594 AH65945 Mercury AH6594 AH65945 Continu AH659 AH659 AHGSS45 Hexen AH659 AH65945 AH65945 AH65946 AHE Irwin Creek WW AH6t AH66 AH660 AH6604

AH65945

AH65945

AH65945

AH65945

AH6594

AHGE

AH66047 Benzene

AH66047 Bromoform

AH66047 Bromomethane

AH66047 Chlorobenzene

AH66047 Chloromethane

AH66047 Ethylbenzene

AH66047 Toluene

AH66047 Methylene chloride

AH66047 Tetrachloroethene

AH66047 Trichloroethene

AH66047 Chloroethane

AHSS047 Chloroform

AH66047 Bromodichloromethane

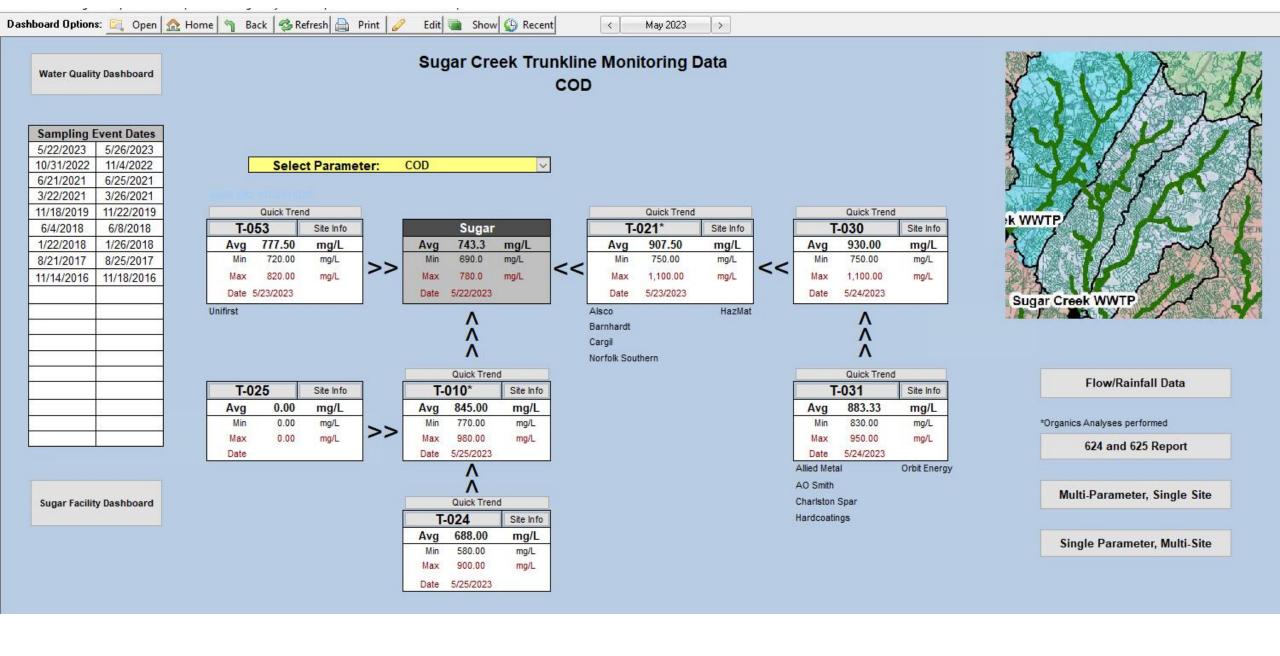
AH66047 Carbon tetrachforide

AH66047 Cis-1.3 -dichloropropene

AH66047 Dibromochloromethane

AH66047 Trans-1,2-dichloroethene

AH66047 Trans-1.3-dichloropropene



#### Sampling Event Dates 5/22/2023 5/26/2023 10/31/2022 11/4/2022 6/21/2021 6/25/2021 3/22/2021 3/26/2021 11/18/2019 11/22/2019 6/4/2018 6/8/2018 1/22/2018 1/26/2018 8/21/2017 8/25/2017 11/14/2016 11/18/2016

#### toring Data

Quick Trend	
)21*	Site Info
907.50	mg/L
750.00	mg/L
1,100.00	mg/L
5/23/2023	
	HazMat

		Quick Trend	
		r-030	Site Info
	Avg	930.00	mg/L
_	Min	750.00	mg/L
`	Max	1,100.00	mg/L
	Date	5/24/2023	



	Quick Trend	
T	-031	Site Info
Avg	883.33	mg/L
Min	830.00	mg/L
Max	950.00	mg/L
Date	5/24/2023	

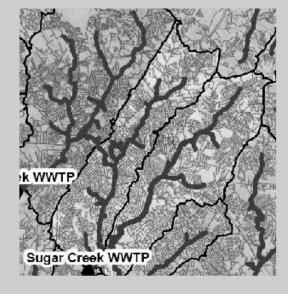
Allied Metal

Orbit Energy

AO Smith

Charlston Spar

Hardcoatings



Flow/Rainfall Data

\*Organics Analyses performed

624 and 625 Report

Multi-Parameter, Single Site

Single Parameter, Multi-Site

	Quick Tre		1 1		Cuman	
	53	Site Info			Sugar	
Avg	777.50	mg/L		Avg	743.3	mg/L
Min	720.00	mg/L	>>	Min	690.0	mg/L
Max	820.00	mg/L		Max	780.0	mg/L
Date	5/23/2023			Date	5/22/2023	
Inifirst					Λ	
					Λ	
					Λ	
					Quick Trend	i
T-025			-			
1-0	25	Site Info		T-	010*	Site Info
Avg	0.00	Site Info mg/L		T- Avg	010* 845.00	Site Info mg/L
Avg	0.00	mg/L	>>	Avg	845.00	mg/L
Avg Min	0.00	mg/L mg/L	>>	Avg Min	<b>845.00</b> 770.00	mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max	<b>845.00</b> 770.00 980.00	mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max	<b>845.00</b> 770.00 980.00	mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max	<b>845.00</b> 770.00 980.00	mg/L mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max Date	845.00 770.00 980.00 5/25/2023	mg/L mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max Date	845.00 770.00 980.00 5/25/2023	mg/L mg/L mg/L
Avg Min Max	0.00	mg/L mg/L	>>	Avg Min Max Date	845.00 770.00 980.00 5/25/2023	mg/L mg/L mg/L

Date

5/25/2023

	Quick Trend	
T-	021*	Site Info
Avg	907.50	mg/L
Min	750.00	mg/L
Max	1,100.00	mg/L
Date	5/23/2023	

Alsco HazMat

Barnhardt

Cargil

Norfolk Southern

		Quick Trend	
	T	-030	Site Info
	Avg	930.00	mg/L
_	Min	750.00	mg/L
•	Max	1,100.00	mg/L
	Date	5/24/2023	
-			

Quick Trend									
T	-031	Site Info							
Avg	883.33	mg/L							
Min	830.00	mg/L							
Max	950.00	mg/L							
Date	5/24/2023								

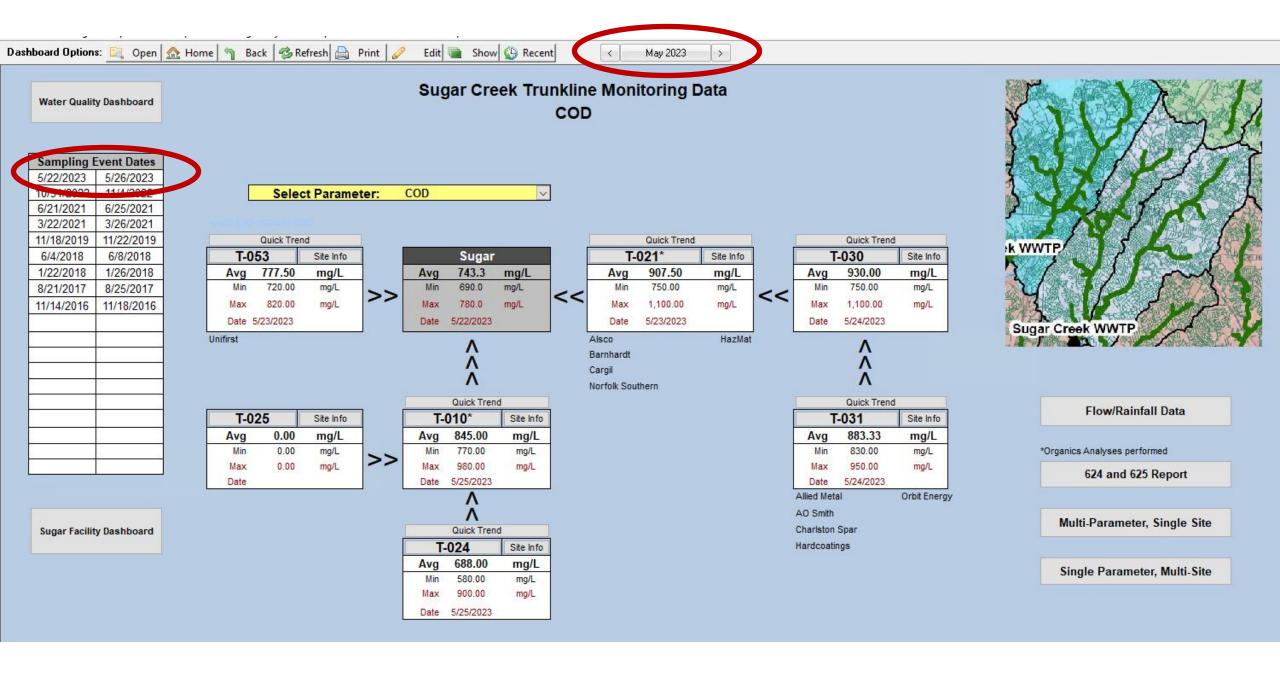
Allied Metal

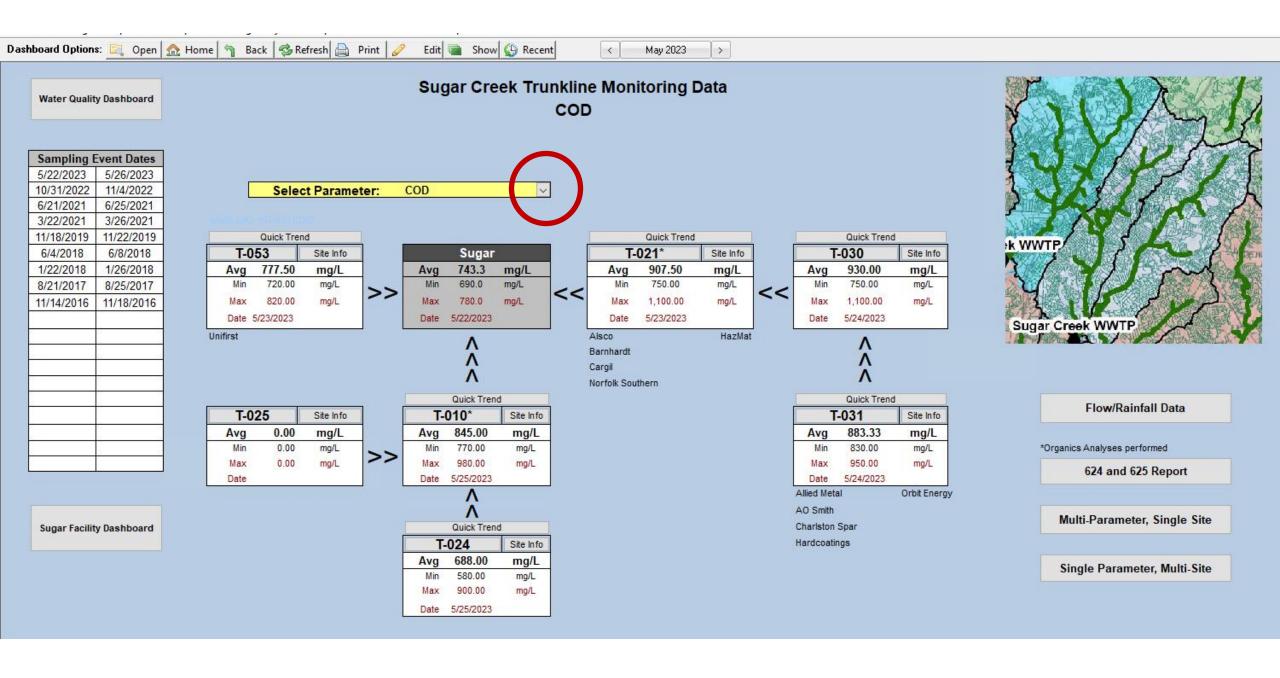
Orbit Energy

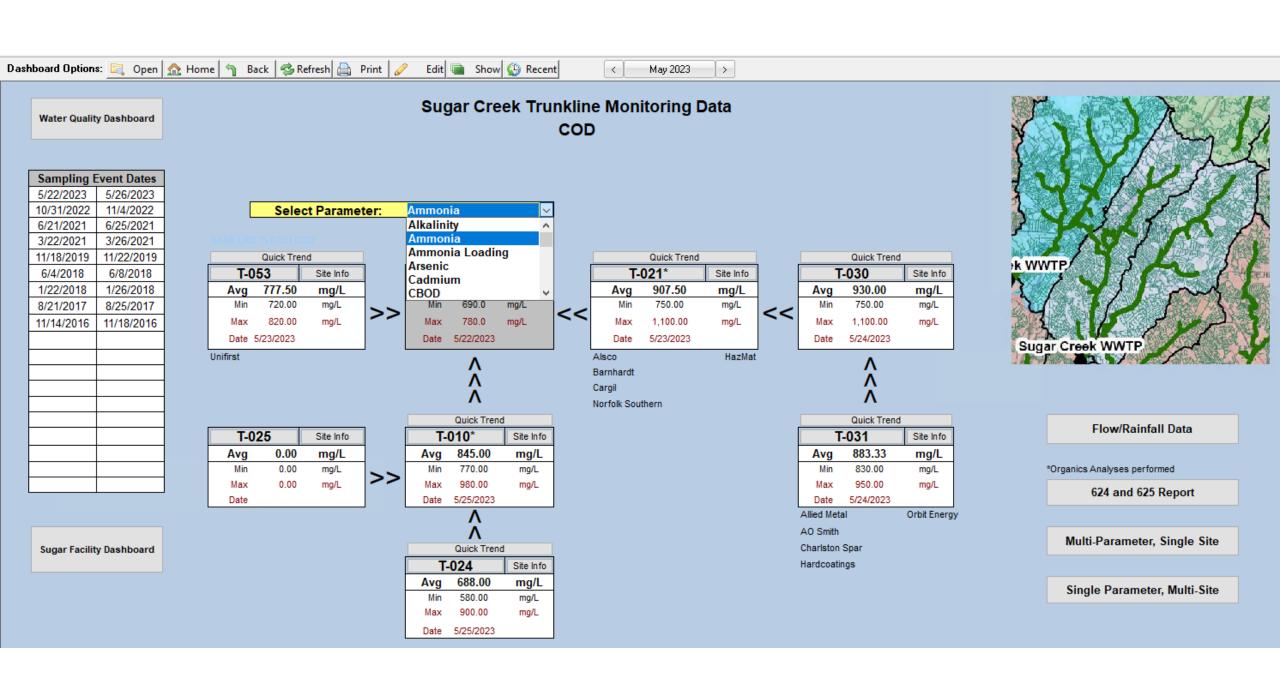
AO Smith

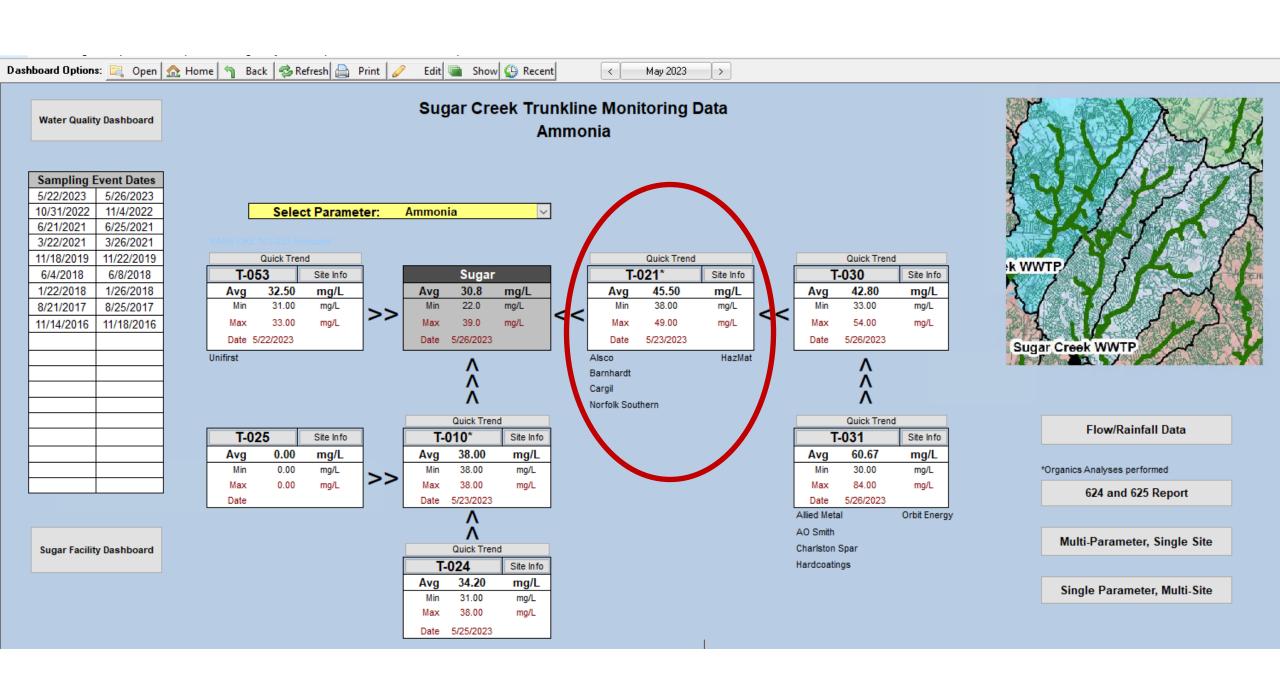
Charlston Spar

Hardcoatings









# | T-021\* | Site Info | | Avg | 45.50 | mg/L | | Min | 38.00 | mg/L | | Date | 5/23/2023 |

Alsco HazMat

Barnhardt

Cargil

Norfolk Southern

			3ugar 1-021																				
		3 4 1							<	May 2023	>												
K14	=VT(20	01060,6,1)																					
A	В	С	D	Е	F	G	Н	1	J	К	L	M	N	0 P	Q R	S	Т	U	V	W	X	Υ	Z AA
4																							
5		201000	201005	201020	201030	201035	201040	201050	201055	201060	201065	201070	201075	201080		201085	201090	201095	201100	201105	201110	201115	201120
		T-021	T-021	T-021	T-021 COD	T-021	T-021	T-021 HEM 1	Γ-021 Lead	T-021	T-021	T-021	T-021	T-021 pH		T-021	T-021	T-021	T-021 TKN	T-021 Total	T-021 TSS	T-021	T-021 Zinc
6		Alkalinity	Ammonia	CBOD		Copper	Cyanide			Mercury	Molybdenum	Nickel	Nitrate/Nitrite			Selenium	Silver	Temperature		Phosphorus		Volatile Acids	
7	Date	mg/L	mg/L	mg/L	mg/L	μg/L	μg/L	mg/L	μg/L	μg/L	μg/L	μg/L	mg/L	SU	Date	μg/L	μg/L	Deg C	mg/L	mg/L	mg/L	mg/L	μg/L
9	5/1/2023														5/1/202	3							
10	5/2/2023														5/2/202	3							
11	5/3/2023														5/3/202	3							
12	5/4/2023														5/4/202								
13	5/5/2023														5/5/202								
14	5/6/2023														5/6/202								
15	5/7/2023														5/7/202								
16	5/8/2023														5/8/202								
17	5/9/2023				0									0	5/9/202	_							
18	5/10/2023														5/10/20								
19	5/11/2023														5/11/202								
20	5/12/2023														5/12/20								
21	5/13/2023														5/13/20								
22	5/14/2023														5/14/20	_							
23	5/15/2023 5/16/2023														5/15/20:								
24	5/17/2023														5/17/20	_							
25 26	5/18/2023														5/18/20	_							
27	5/19/2023														5/19/20	_							
28	5/20/2023														5/20/20								
29	5/21/2023														5/21/20								
30	5/22/2023	271	38.00	448.0	920	50.0	<10	21.0	<5.0	<0.2	<5.0	9.2	2 0.08	7.83	5/22/20		<1.0	22.6	63.00	38.00	372.0		130.0
31	5/23/2023	339		492.0		240.0		16.0	5.9		5.4	28.0			5/23/20							169	
32	5/24/2023													8.08	5/24/20	_		21.9					
33	5/25/2023	299	46.00	357.0	750	36.0	<10	24.0	5.0	0.7	<5.0	5.9	<0.05		5/25/20		2.8	22.5	64.00	46.00	278.0		120.0
34	5/26/2023	321	49.00	385.0		35.0	<10	26.0	5.0			8.4			5/26/20					49.00			120.0
35	5/27/2023														5/27/20:	23							
36	5/28/2023														5/28/20:	23							
37	5/29/2023														5/29/20								
38	5/30/2023														5/30/20								
39	5/31/2023														5/31/20	23							
41	Minimum	271		357.0		35.0	<10	16.0	<5.0			5.9			Minimun							169	
42	Maximum	339		492.0		240.0	<10	26.0	5.9			28.0			Maximu							169	
43	Average	308	45.50	420.5	908	90.3	<0	21.8	<4.0	<0.2	<1.4	12.9	<0.08	7.93	Averag	e <0.0	<1.2	21.7	63.75	45.50	313.0	169	140.0
44																							

#### Quick Trend

T-	021*	Site Info
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

Alsco HazMat

Barnhardt

Cargil

Norfolk Southern

Trunkline Site:	T-021
Address:	Tyvola Rd-across from Sugar WWTP
MH#, Diameter, Depth:	2189,54in,17.8ft
IUs Upstream:	Alsco
	Barnhardt
	Cargil
	Norfolk Southern
	HazMat

Basin: Sugar

### Quick Trend

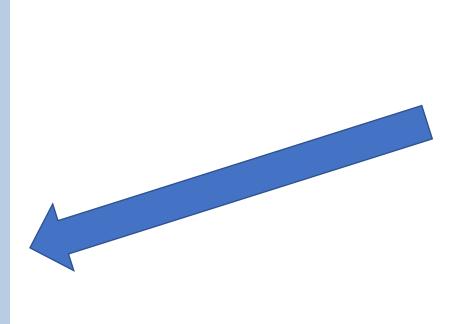
T-	021*	Site Info
Avg	45.50	mg/L
Min	38.00	mg/L
Max	49.00	mg/L
Date	5/23/2023	

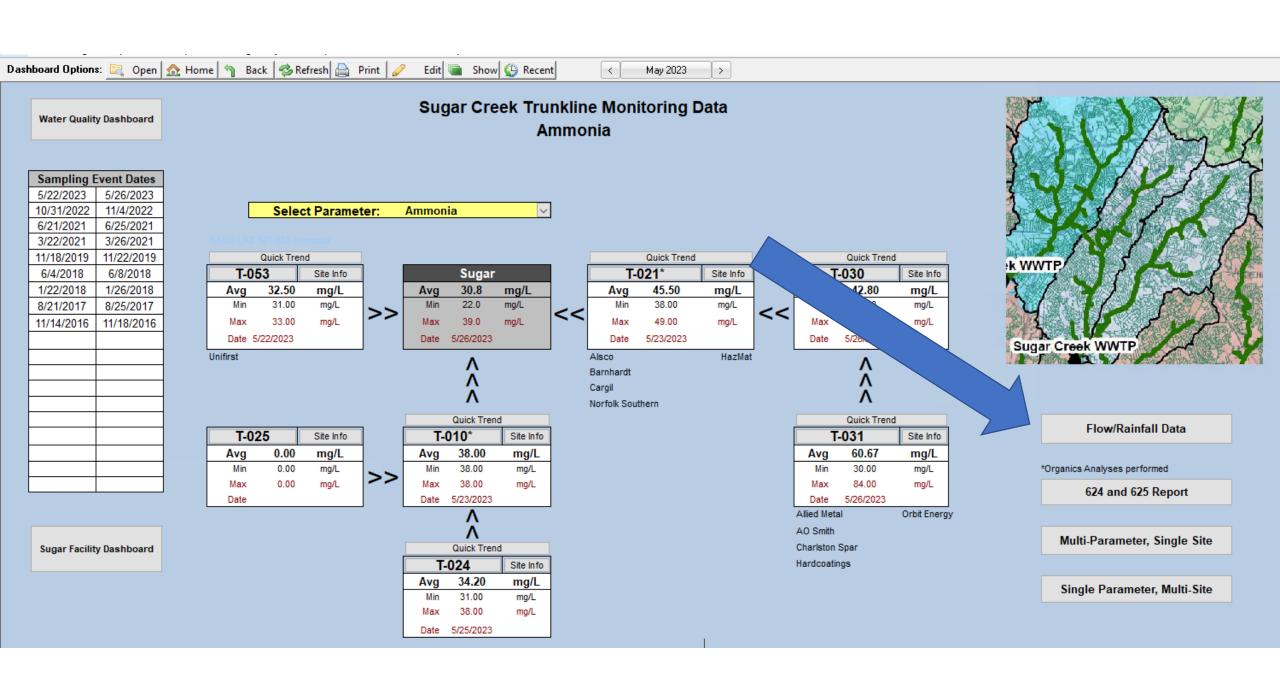
Alsco HazMat

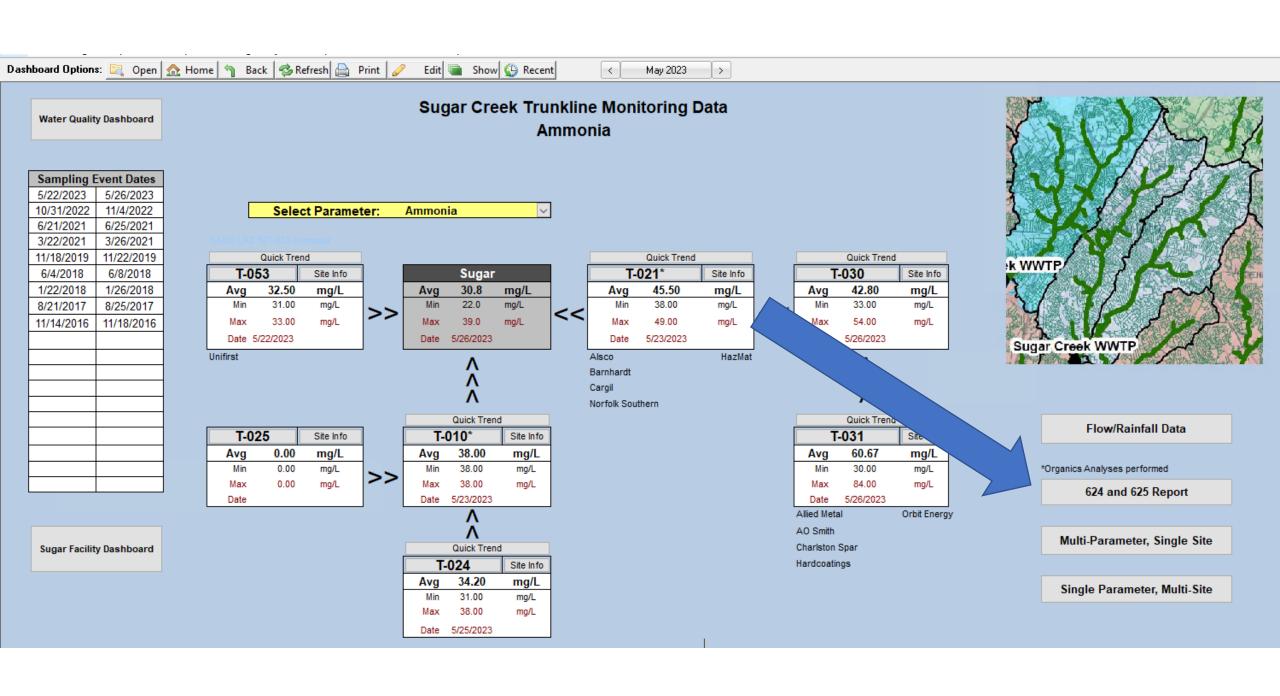
Barnhardt

Cargil

Norfolk Southern







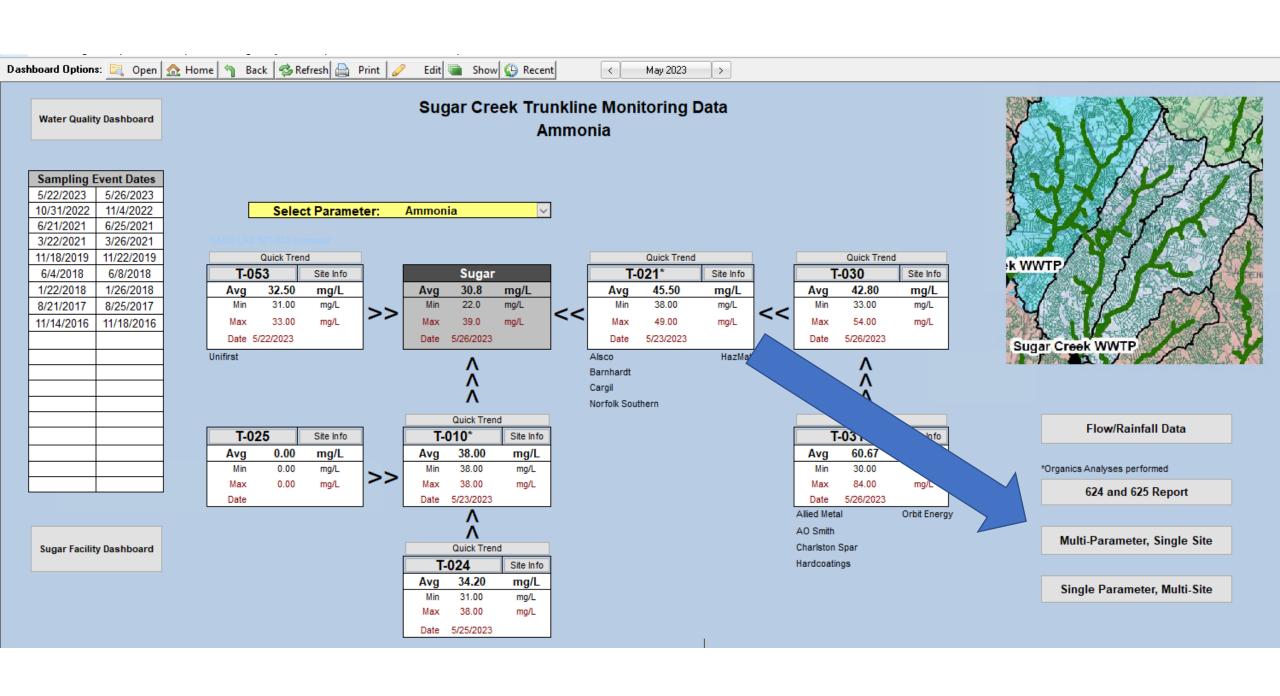
#### Sugar Basin 624 Hits

Date Range: 5/1/2023 - 5/31/2023

#### Sugar Basin 625 Hits

Date Range: 5/1/2023 - 5/31/2023

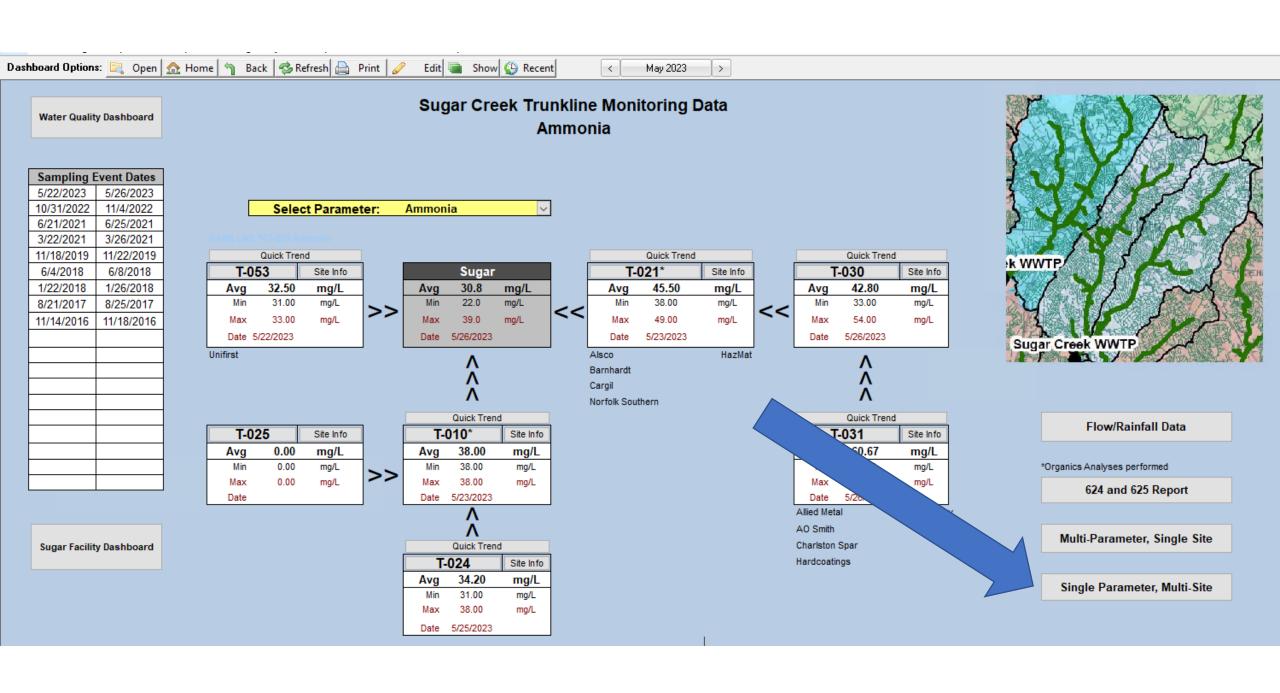
Date	Location	Parameter	Resu	lt	Date	Location	Parameter	Result	
5/22/2023	T-021	\$624 Chloroform	4.2	μg/L	5/22/2023	T-021	\$625 Di-n-octylphthalate	7.8	μg/L
5/23/2023	T-010	\$624 Chloroform	3.1	μg/L	5/22/2023	T-021	\$625 Phenol	5.4	μg/L
5/23/2023	T-010	\$624 Toluene	2.9	μg/L	5/23/2023	T-010	\$625 Di-n-octylphthalate	13	μg/L
5/23/2023	T-021	\$624 Chloroform	3.4	μg/L	5/23/2023	T-010	\$625 Phenol	11	μg/L
5/24/2023	T-010	\$624 Chloroform	2.5	μg/L	5/23/2023	T-021	\$625 Phenol	12	μg/L
5/24/2023	T-010	\$624 Toluene	3.4	μg/L	5/24/2023	T-010	\$625 Di-n-octylphthalate	11	μg/L
5/25/2023	T-010	\$624 Chloroform	2.3	μg/L	5/24/2023	T-010	\$625 Phenol	11	μg/L
5/25/2023	T-010	\$624 Methylene chloride	6.7	μg/L	5/25/2023	T-010	\$625 Di-n-octylphthalate	15	μg/L
5/25/2023	T-010	\$624 Toluene	3.4	μg/L	5/25/2023	T-021	\$625 Di-n-octylphthalate	19	μg/L
5/25/2023	T-021	\$624 Chloroform	3.5	μg/L	5/26/2023	T-010	\$625 Phenol	12	μg/L
5/26/2023	T-010	\$624 Chloroform	2.3	μg/L	5/26/2023	T-021	\$625 Phenol	8.5	μg/L
5/26/2023	T-010	\$624 Methylene chloride	2	μg/L	1				
5/26/2023	T-010	\$624 Toluene	3.8	μg/L					
5/26/2023	T-021	\$624 Chloroform	3.5	μg/L					1



# Multi Parameter, Single Site

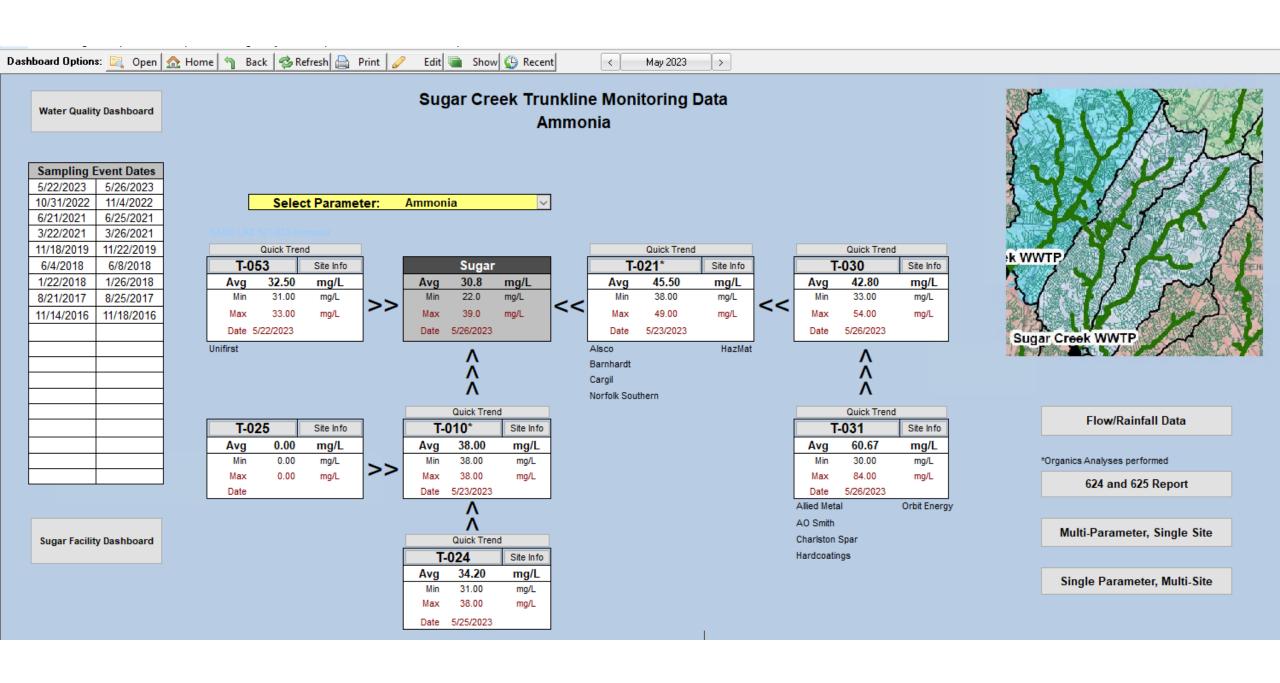
ile		<b>3</b> 4 <b>1</b>	<u> </u>				
K14	=VT(2	01060,6,1)					
4	A B	С	D	E	F	G	Н
4							
5		201000	201005	201020	201030	201035	201040
6		T-021 Alkalinity	T-021 Ammonia	T-021 CBOD	T-021 COD	T-021 Copper	T-021 Cyanide
7	Date	mg/L	mg/L	mg/L	mg/L	μg/L	μg/L
9	5/1/2023						
10	5/2/2023						
11	5/3/2023						
12	5/4/2023						
13	5/5/2023						
14	5/6/2023						
15	5/7/2023						
16	5/8/2023						
17	5/9/2023						
18	5/10/2023						
19	5/11/2023						
20	5/12/2023						
21	5/13/2023						- 1
22	5/14/2023						
23	5/15/2023						
24	5/16/2023						
25	5/17/2023						
26	5/18/2023						
27	5/19/2023						
28	5/20/2023						
29	5/21/2023						
30	5/22/2023	271	38.00	448.0	920	50.0	<10
31	5/23/2023	339	49.00	492.0	1,100	240.0	
32	5/24/2023						
33	5/25/2023	299	46.00	357.0	750	36.0	<1
34	5/26/2023	321	49.00	385.0	860	35.0	<10
35	5/27/2023						
36	5/28/2023						
37	5/29/2023						
38	5/30/2023						
39	5/31/2023						
41	Minimum	271	38.00	357.0	750	35.0	<10
42	Maximum	339	49.00	492.0	1,100	240.0	<10
43	Average	308	45.50	420.5	908	90.3	<(

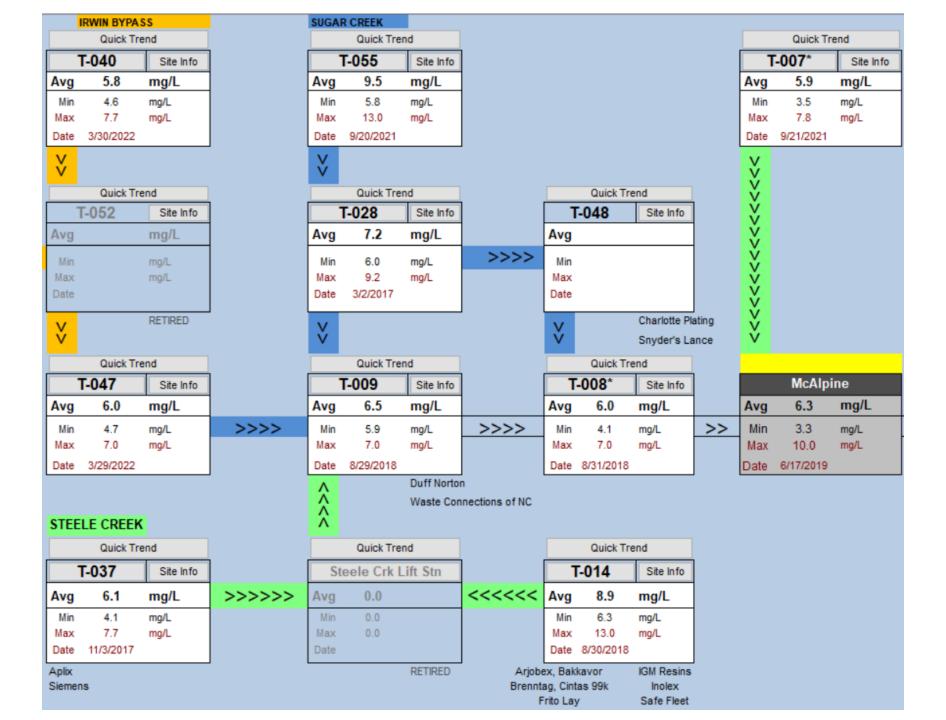
G	Н	J	K	M	N	Р	Q		
onitoring Data T-021					Select Site	e to View:	T-021 ~		
DD	COD		Copper		Cya		HEM		
367.3	Avg	898.2	Avg	55.0	Avg	3.9	Avg	24.8	
258	Min	510	Min	15	Min	0	Min	10	
507	Max	1,500	Max	370	Max	16	Max	39	
17	7 Count 17		Count	22	Count	17	Count	17	
Result	Date	Result	Date	Result	Date	Result	Date	Result	
266	11/18/2019	560	11/18/2019	17	11/18/2019	<10	11/18/2019	37	
398	11/19/2019	1,100	11/19/2019	48	11/19/2019	<10	11/19/2019	23	
320	11/20/2019	740	11/20/2019	21	11/20/2019	<10	11/20/2019	29	
366	11/21/2019	600	11/21/2019	23	11/21/2019	<10	11/21/2019	27	
345	11/22/2019	780	11/22/2019	21	11/22/2019	<10	11/22/2019	25	
258	6/21/2021	510	3/22/2021	46	6/21/2021	<10	6/21/2021	38	
380	6/22/2021	900	3/23/2021	34	6/22/2021	<10	6/22/2021	26	
384	6/23/2021	1,400	3/24/2021	31	6/23/2021	16	6/23/2021	11	
429	6/24/2021	1,300	3/25/2021	25	6/24/2021	<10	6/24/2021	12	
507	6/25/2021	1,500	3/26/2021	20	6/25/2021	<10	6/25/2021	18	
360	11/1/2022	620	6/21/2021	18	11/1/2022	<10	11/1/2022	39	
349	11/2/2022	860	6/22/2021	34	11/2/2022	<10	11/2/2022	32	
362	11/3/2022	820	6/23/2021	120	11/3/2022	<10	11/3/2022	32	
442	11/4/2022	930	6/24/2021	92	11/4/2022	<10	11/4/2022	36	
350	5/24/2023	950	6/25/2021	110	5/24/2023	<10	5/24/2023	9.9	
406	5/25/2023	870	11/1/2022	15	5/25/2023	<10	5/25/2023	14	
322	5/26/2023	830	11/2/2022	26	5/26/2023	<10	5/26/2023	13	



# Single Parameter, Multi-Site

		Sele	Select Parameter:		Tota	otal Phosphorus								
T-031			T-053			T-010			T-024			T-025		
Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result	Date	VarNum	Result
11/18/2019	205105	6	11/19/2019	206105	6	11/19/2019	200105	7	11/18/2019	202105	5	11/18/2019	203105	6
11/19/2019	205105	17	11/21/2019	206105	6	11/21/2019	200105	7	11/19/2019	202105	5	11/19/2019	203105	6
11/20/2019	205105	7	11/22/2019	206105	6	11/22/2019	200105	6	11/20/2019	202105	6	11/20/2019	203105	5
11/21/2019	205105	7	6/20/2021	206105	5	6/21/2021	200105	5	11/21/2019	202105	4	11/21/2019	203105	6
11/22/2019	205105	7	6/22/2021	206105	6	6/22/2021	200105	6	11/22/2019	202105	6	11/22/2019	203105	6
6/21/2021	205105	5	6/23/2021	206105	6	6/23/2021	200105	5	6/20/2021	202105	5	6/21/2021	203105	5
6/22/2021	205105	8	6/24/2021	206105	6	6/24/2021	200105	6	6/22/2021	202105	5	6/22/2021	203105	6
6/23/2021	205105	27	6/25/2021	206105	6	6/25/2021	200105	6	6/23/2021	202105	5	6/23/2021	203105	6
6/24/2021	205105	20	10/31/2022	206105	7	10/31/2022	200105	7	6/24/2021	202105	5	6/24/2021	203105	6
6/25/2021	205105	26	11/1/2022	206105	7	11/1/2022	200105	6	6/25/2021	202105	5	6/25/2021	203105	6
11/1/2022	205105	8	11/2/2022	206105	7	11/2/2022	200105	6	10/31/2022	202105	5	10/31/2022	203105	7
11/2/2022	205105	8	11/3/2022	206105	7	11/3/2022	200105	7	11/1/2022	202105	5	11/1/2022	203105	6
11/3/2022	205105	8	11/4/2022	206105	7	11/4/2022	200105	7	11/2/2022	202105	5	11/2/2022	203105	7
11/4/2022	205105	11	5/22/2023	206105	6	5/23/2023	200105	6	11/3/2022	202105	5	11/3/2022	203105	7
5/24/2023	205105	20	5/23/2023	206105	6	5/24/2023	200105	7	11/4/2022	202105	6	11/4/2022	203105	7
5/25/2023	205105	14	5/25/2023	206105	6	5/25/2023	200105	6	5/22/2023	202105	5	5/25/2023	203105	7



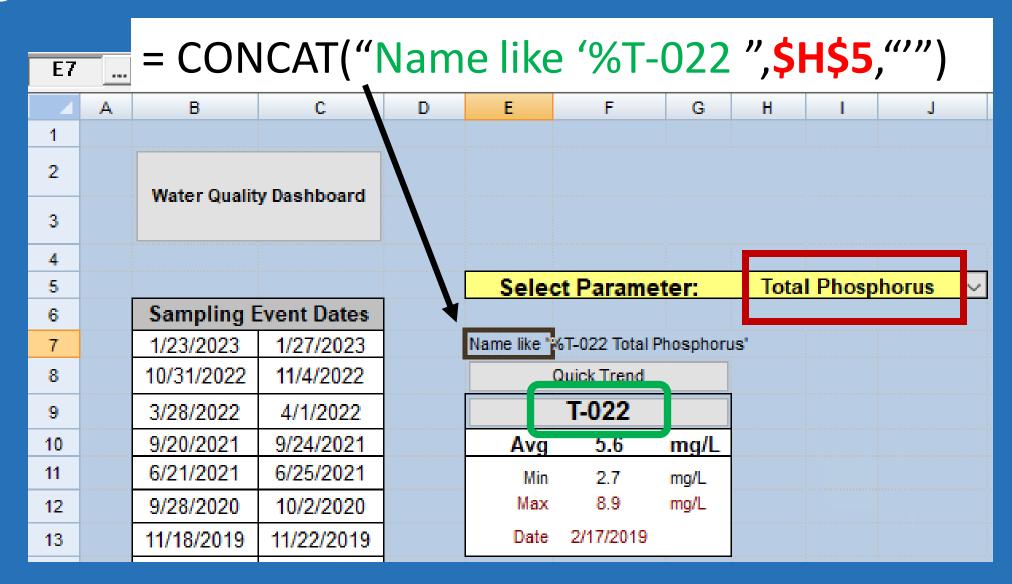


## What's It Good For

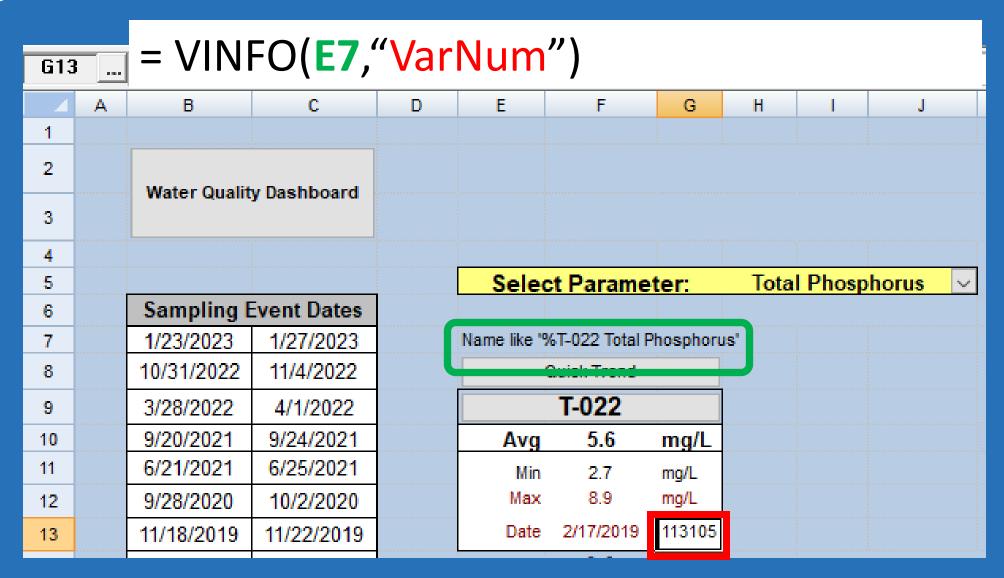
- More efficient data review process
- Visual of special relationships between sampling sites
- Investigations/narrow down source of a problem

# FOR REFERENCE

# Laying the Groundwork: Variable Name



# Laying the Groundwork: Variable Number



# **Populating Data:**

=MVSTAT("Avg",1,"R",G13)

=MVSTAT("Min",1,"R",G13)

=MVSTAT("Max",1,"R",G13)

Total Phosphorus Select Parameter: Name like '%T-022 Total Phosphorus' Quick Trend T-022 Avg 5.6 mg/L Min 2.7 mg/L Max 8.9 mg/L 2/17/2019 113105 Date **G13** 

=DSORT(G13,1,"D","Short Date","R",1)