Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

March 28, 2024

Randy Evans
Wellington Operating Compnay
1590 East County Road 70
Wellington, CO 80549

RE: Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Dear Randy Evans:

Enclosed are the analytical results for sample(s) received by the laboratory on March 12, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

This report was revised on March 28, 2024, to include TPH-DRO silica gel results on all Pace samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brenna Bloome for
Yeng Ozawa
yeng.ozawa@pacelabs.com
(612)607-1700
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

CERTIFICATIONS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Pace Analytical Services National

New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10686159001	**Well 20-3 S Wall @ 1'**	EPA 8015D Modified	TT2	4	PASI-M
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	BJM	1	PAN
		Calculated	DJS	1	PAN
10686159002	**Well 20-3 W Wall @ 1'**	EPA 8015D Modified	TT2	4	PASI-M
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	KRB	1	PAN
		Calculated	DJS	1	PAN
10686159003	**Well 20-3 N Wall @ 1'**	EPA 8015D Modified	TT2	4	PASI-M
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	KRB	1	PAN
		Calculated	DJS	1	PAN
10686159004	**Well 20-3 E Wall @ 1'**	EPA 8015D Modified	TT2	4	PASI-M

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	KRB	1	PAN
		Calculated	DJS	1	PAN
10686159005	**Well 20-3 Stockpile Pad East**	EPA 8015D Modified	TT2	4	PASI-M
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	BJM	1	PAN
		Calculated	DJS	1	PAN
10686159006	**Well 20-3 Stockpile Pad West**	EPA 8015D Modified	TT2	4	PASI-M
		EPA 8015D Modified w/ SG	RAG	5	PASI-M
		EPA 8015D	TM2	2	PASI-M
		6010B-NE493 Ch 2	ZSA	1	PAN
		EPA 6010D	IP	9	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8270E by SIM	JLR	17	PASI-M
		EPA 8260D	SB2	9	PASI-M
		EPA 7199	SET	1	PAN
		EPA 9045D	KRB	1	PAN
		EPA 9050	BJM	1	PAN
		Calculated	DJS	1	PAN

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 S Wall @ 1' **Lab ID: 10686159001** Collected: 03/11/24 08:35 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**22.9**	mg/kg	10.5	1	03/12/24 16:08	03/19/24 03:00		N2
TPH-DRO (C10-C28)	ND	mg/kg	10.5	1	03/12/24 16:08	03/19/24 03:00		
Surrogates								
o-Terphenyl (S)	109	%.	30-150	1	03/12/24 16:08	03/19/24 03:00	84-15-1	
n-Triacontane (S)	98	%.	30-150	1	03/12/24 16:08	03/19/24 03:00		
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**17.6**	mg/kg	10.5	1	03/12/24 16:08	03/25/24 11:18		N2
Motor Oil Range (C24-C36)	**18.2**	mg/kg	10.5	1	03/12/24 16:08	03/25/24 11:18		N2
TPH-DRO (C10-C28)	ND	mg/kg	10.5	1	03/12/24 16:08	03/25/24 11:18		
Surrogates								
o-Terphenyl (S)	100	%.	45-125	1	03/12/24 16:08	03/25/24 11:18	84-15-1	
n-Triacontane (S)	87	%.	37-125	1	03/12/24 16:08	03/25/24 11:18		
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	1.7	1	03/12/24 19:49	03/13/24 06:17		
Surrogates								
a,a,a-Trifluorotoluene (S)	118	%.	71-135	1	03/12/24 19:49	03/13/24 06:17	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**321**	ug/L	200	1	03/18/24 09:22	03/18/24 17:00	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**3.8**	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:36	7440-38-2	
Barium	**123**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:36	7440-39-3	
Cadmium	**0.41**	mg/kg	0.15	1	03/13/24 08:40	03/14/24 13:36	7440-43-9	
Copper	**7.7**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:36	7440-50-8	
Lead	**4.5**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:36	7439-92-1	
Nickel	**8.1**	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:36	7440-02-0	
Selenium	ND	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:36	7782-49-2	
Silver	ND	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:36	7440-22-4	
Zinc	**23.9**	mg/kg	2.0	1	03/13/24 08:40	03/14/24 13:36	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**5.2**	%	0.10	1		03/13/24 10:03		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 S Wall @ 1' **Lab ID: 10686159001** Collected: 03/11/24 08:35 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	207-08-9	
Chrysene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	53-70-3	
Fluoranthene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	206-44-0	
Fluorene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	91-57-6	
Naphthalene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	91-20-3	
Pyrene	ND	ug/kg	10.5	1	03/12/24 15:50	03/13/24 18:35	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	77	%.	48-125	1	03/12/24 15:50	03/13/24 18:35	321-60-8	
p-Terphenyl-d14 (S)	88	%.	51-139	1	03/12/24 15:50	03/13/24 18:35	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	7.3	1	03/13/24 12:08	03/13/24 21:54	71-43-2	
Ethylbenzene	ND	ug/kg	18.3	1	03/13/24 12:08	03/13/24 21:54	100-41-4	
Toluene	ND	ug/kg	18.3	1	03/13/24 12:08	03/13/24 21:54	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	18.3	1	03/13/24 12:08	03/13/24 21:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	18.3	1	03/13/24 12:08	03/13/24 21:54	108-67-8	
Xylene (Total)	ND	ug/kg	54.8	1	03/13/24 12:08	03/13/24 21:54	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1	03/13/24 12:08	03/13/24 21:54	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1	03/13/24 12:08	03/13/24 21:54	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1	03/13/24 12:08	03/13/24 21:54	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 07:35		ML
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**7.75**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**924**	umhos/cm	10.0	1	03/16/24 17:46	03/17/24 12:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 S Wall @ 1' **Lab ID: 10686159001** Collected: 03/11/24 08:35 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**2.27**			1	03/19/24 11:31	03/19/24 11:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 W Wall @ 1' **Lab ID: 10686159002** Collected: 03/11/24 08:25 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**1850**	mg/kg	216	20	03/12/24 16:08	03/19/24 11:27		N2
TPH-DRO (C10-C28)	**574**	mg/kg	216	20	03/12/24 16:08	03/19/24 11:27		
Surrogates								
o-Terphenyl (S)	338	%.	30-150	20	03/12/24 16:08	03/19/24 11:27	84-15-1	S4
n-Triacontane (S)	943	%.	30-150	20	03/12/24 16:08	03/19/24 11:27		S4
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**1070**	mg/kg	108	10	03/12/24 16:08	03/25/24 16:55		N2
Motor Oil Range (C24-C36)	**1140**	mg/kg	108	10	03/12/24 16:08	03/25/24 16:55		N2
TPH-DRO (C10-C28)	**352**	mg/kg	108	10	03/12/24 16:08	03/25/24 16:55		
Surrogates								
o-Terphenyl (S)	90	%.	45-125	10	03/12/24 16:08	03/25/24 16:55	84-15-1	
n-Triacontane (S)	52	%.	37-125	10	03/12/24 16:08	03/25/24 16:55		
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	2.5	1	03/12/24 19:49	03/13/24 01:46		
Surrogates								
a,a,a-Trifluorotoluene (S)	118	%.	71-135	1	03/12/24 19:49	03/13/24 01:46	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**674**	ug/L	200	1	03/18/24 09:22	03/18/24 17:02	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.3**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:48	7440-38-2	
Barium	**146**	mg/kg	0.54	1	03/13/24 08:40	03/14/24 13:48	7440-39-3	
Cadmium	**0.80**	mg/kg	0.16	1	03/13/24 08:40	03/14/24 13:48	7440-43-9	
Copper	**16.5**	mg/kg	0.54	1	03/13/24 08:40	03/14/24 13:48	7440-50-8	
Lead	**47.0**	mg/kg	0.54	1	03/13/24 08:40	03/14/24 13:48	7439-92-1	
Nickel	**11.6**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:48	7440-02-0	
Selenium	ND	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:48	7782-49-2	
Silver	ND	mg/kg	0.54	1	03/13/24 08:40	03/14/24 13:48	7440-22-4	
Zinc	**156**	mg/kg	2.1	1	03/13/24 08:40	03/14/24 13:48	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**7.7**	%	0.10	1		03/13/24 10:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 W Wall @ 1' **Lab ID: 10686159002** Collected: 03/11/24 08:25 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	207-08-9	
Chrysene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	53-70-3	
Fluoranthene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	206-44-0	
Fluorene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	91-57-6	
Naphthalene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	91-20-3	
Pyrene	ND	ug/kg	10.8	1	03/12/24 15:50	03/13/24 18:58	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	77	%.	48-125	1	03/12/24 15:50	03/13/24 18:58	321-60-8	
p-Terphenyl-d14 (S)	88	%.	51-139	1	03/12/24 15:50	03/13/24 18:58	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	8.8	1	03/13/24 12:08	03/13/24 23:33	71-43-2	
Ethylbenzene	ND	ug/kg	22.1	1	03/13/24 12:08	03/13/24 23:33	100-41-4	
Toluene	ND	ug/kg	22.1	1	03/13/24 12:08	03/13/24 23:33	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	22.1	1	03/13/24 12:08	03/13/24 23:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	22.1	1	03/13/24 12:08	03/13/24 23:33	108-67-8	
Xylene (Total)	ND	ug/kg	66.2	1	03/13/24 12:08	03/13/24 23:33	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	75-125	1	03/13/24 12:08	03/13/24 23:33	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1	03/13/24 12:08	03/13/24 23:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	03/13/24 12:08	03/13/24 23:33	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 08:06		ML
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**7.77**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**623**	umhos/cm	10.0	1	03/14/24 12:51	03/14/24 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 W Wall @ 1' **Lab ID: 10686159002** Collected: 03/11/24 08:25 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**1.07**			1	03/19/24 11:34	03/19/24 11:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 N Wall @ 1' **Lab ID: 10686159003** Collected: 03/11/24 08:10 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**195**	mg/kg	108	10	03/12/24 16:08	03/19/24 03:33		N2
TPH-DRO (C10-C28)	ND	mg/kg	108	10	03/12/24 16:08	03/19/24 03:33		ED
Surrogates								
o-Terphenyl (S)	120	%.	30-150	10	03/12/24 16:08	03/19/24 03:33	84-15-1	
n-Triacontane (S)	82	%.	30-150	10	03/12/24 16:08	03/19/24 03:33		
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**178**	mg/kg	10.8	1	03/12/24 16:08	03/25/24 11:50		N2
Motor Oil Range (C24-C36)	**156**	mg/kg	10.8	1	03/12/24 16:08	03/25/24 11:50		N2
TPH-DRO (C10-C28)	**72.9**	mg/kg	10.8	1	03/12/24 16:08	03/25/24 11:50		
Surrogates								
o-Terphenyl (S)	92	%.	45-125	1	03/12/24 16:08	03/25/24 11:50	84-15-1	
n-Triacontane (S)	70	%.	37-125	1	03/12/24 16:08	03/25/24 11:50		
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	2.2	1	03/12/24 19:49	03/13/24 02:18		
Surrogates								
a,a,a-Trifluorotoluene (S)	119	%.	71-135	1	03/12/24 19:49	03/13/24 02:18	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**736**	ug/L	200	1	03/18/24 09:22	03/18/24 17:04	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.7**	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:49	7440-38-2	
Barium	**117**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:49	7440-39-3	
Cadmium	**0.31**	mg/kg	0.15	1	03/13/24 08:40	03/14/24 13:49	7440-43-9	
Copper	**12.5**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:49	7440-50-8	
Lead	**12.5**	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:49	7439-92-1	
Nickel	**12.0**	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:49	7440-02-0	
Selenium	ND	mg/kg	1.0	1	03/13/24 08:40	03/14/24 13:49	7782-49-2	
Silver	ND	mg/kg	0.51	1	03/13/24 08:40	03/14/24 13:49	7440-22-4	
Zinc	**49.7**	mg/kg	2.0	1	03/13/24 08:40	03/14/24 13:49	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**7.9**	%	0.10	1		03/13/24 10:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 N Wall @ 1' **Lab ID: 10686159003** Collected: 03/11/24 08:10 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	207-08-9	
Chrysene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	53-70-3	
Fluoranthene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	206-44-0	
Fluorene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	91-57-6	
Naphthalene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	91-20-3	
Pyrene	ND	ug/kg	10.7	1	03/12/24 15:50	03/13/24 19:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	75	%.	48-125	1	03/12/24 15:50	03/13/24 19:21	321-60-8	
p-Terphenyl-d14 (S)	88	%.	51-139	1	03/12/24 15:50	03/13/24 19:21	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	9.8	1	03/13/24 12:08	03/13/24 20:32	71-43-2	
Ethylbenzene	ND	ug/kg	24.5	1	03/13/24 12:08	03/13/24 20:32	100-41-4	
Toluene	ND	ug/kg	24.5	1	03/13/24 12:08	03/13/24 20:32	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	24.5	1	03/13/24 12:08	03/13/24 20:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	24.5	1	03/13/24 12:08	03/13/24 20:32	108-67-8	
Xylene (Total)	ND	ug/kg	73.4	1	03/13/24 12:08	03/13/24 20:32	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	75-125	1	03/13/24 12:08	03/13/24 20:32	460-00-4	
Toluene-d8 (S)	102	%.	75-125	1	03/13/24 12:08	03/13/24 20:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	03/13/24 12:08	03/13/24 20:32	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 08:50		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**7.52**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**2920**	umhos/cm	10.0	1	03/14/24 12:51	03/14/24 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 N Wall @ 1' **Lab ID: 10686159003** Collected: 03/11/24 08:10 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**0.434**			1	03/19/24 11:37	03/19/24 11:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 E Wall @ 1' **Lab ID: 10686159004** Collected: 03/11/24 08:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**603**	mg/kg	215	20	03/12/24 16:08	03/19/24 02:27		N2
TPH-DRO (C10-C28)	ND	mg/kg	215	20	03/12/24 16:08	03/19/24 02:27		ED
Surrogates								
o-Terphenyl (S)	0	%.	30-150	20	03/12/24 16:08	03/19/24 02:27	84-15-1	S4
n-Triacontane (S)	0	%.	30-150	20	03/12/24 16:08	03/19/24 02:27		S4
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**510**	mg/kg	53.8	5	03/12/24 16:08	03/25/24 17:06		N2
Motor Oil Range (C24-C36)	**549**	mg/kg	53.8	5	03/12/24 16:08	03/25/24 17:06		N2
TPH-DRO (C10-C28)	**173**	mg/kg	53.8	5	03/12/24 16:08	03/25/24 17:06		
Surrogates								
o-Terphenyl (S)	104	%.	45-125	5	03/12/24 16:08	03/25/24 17:06	84-15-1	
n-Triacontane (S)	73	%.	37-125	5	03/12/24 16:08	03/25/24 17:06		
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	2.2	1	03/12/24 19:49	03/13/24 02:34		
Surrogates								
a,a,a-Trifluorotoluene (S)	120	%.	71-135	1	03/12/24 19:49	03/13/24 02:34	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**523**	ug/L	200	1	03/18/24 09:22	03/18/24 17:05	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.2**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:51	7440-38-2	
Barium	**126**	mg/kg	0.53	1	03/13/24 08:40	03/14/24 13:51	7440-39-3	
Cadmium	**0.51**	mg/kg	0.16	1	03/13/24 08:40	03/14/24 13:51	7440-43-9	
Copper	**25.8**	mg/kg	0.53	1	03/13/24 08:40	03/14/24 13:51	7440-50-8	
Lead	**44.0**	mg/kg	0.53	1	03/13/24 08:40	03/14/24 13:51	7439-92-1	
Nickel	**11.1**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:51	7440-02-0	
Selenium	ND	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:51	7782-49-2	
Silver	ND	mg/kg	0.53	1	03/13/24 08:40	03/14/24 13:51	7440-22-4	
Zinc	**71.1**	mg/kg	2.1	1	03/13/24 08:40	03/14/24 13:51	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**7.4**	%	0.10	1		03/13/24 10:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 E Wall @ 1' **Lab ID: 10686159004** Collected: 03/11/24 08:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	207-08-9	
Chrysene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	53-70-3	
Fluoranthene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	206-44-0	
Fluorene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	193-39-5	
1-Methylnaphthalene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	91-57-6	
Naphthalene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	91-20-3	
Pyrene	ND	ug/kg	21.3	2	03/12/24 15:50	03/13/24 20:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	81	%.	48-125	2	03/12/24 15:50	03/13/24 20:29	321-60-8	ED
p-Terphenyl-d14 (S)	83	%.	51-139	2	03/12/24 15:50	03/13/24 20:29	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	10.5	1	03/13/24 12:08	03/13/24 20:48	71-43-2	
Ethylbenzene	ND	ug/kg	26.3	1	03/13/24 12:08	03/13/24 20:48	100-41-4	
Toluene	ND	ug/kg	26.3	1	03/13/24 12:08	03/13/24 20:48	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	26.3	1	03/13/24 12:08	03/13/24 20:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	26.3	1	03/13/24 12:08	03/13/24 20:48	108-67-8	
Xylene (Total)	ND	ug/kg	78.9	1	03/13/24 12:08	03/13/24 20:48	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	75-125	1	03/13/24 12:08	03/13/24 20:48	460-00-4	
Toluene-d8 (S)	102	%.	75-125	1	03/13/24 12:08	03/13/24 20:48	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1	03/13/24 12:08	03/13/24 20:48	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 08:56		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**8.34**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**489**	umhos/cm	10.0	1	03/14/24 12:51	03/14/24 19:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 E Wall @ 1' **Lab ID: 10686159004** Collected: 03/11/24 08:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**3.01**			1	03/19/24 11:40	03/19/24 11:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad East **Lab ID: 10686159005** Collected: 03/11/24 08:45 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**540**	mg/kg	114	10	03/12/24 16:08	03/19/24 02:49		N2
TPH-DRO (C10-C28)	**263**	mg/kg	114	10	03/12/24 16:08	03/19/24 02:49		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	03/12/24 16:08	03/19/24 02:49	84-15-1	S4
n-Triacontane (S)	0	%.	30-150	10	03/12/24 16:08	03/19/24 02:49		S4
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**475**	mg/kg	114	10	03/12/24 16:08	03/25/24 12:23		N2
Motor Oil Range (C24-C36)	**398**	mg/kg	114	10	03/12/24 16:08	03/25/24 12:23		N2
TPH-DRO (C10-C28)	**193**	mg/kg	114	10	03/12/24 16:08	03/25/24 12:23		
Surrogates								
o-Terphenyl (S)	73	%.	45-125	10	03/12/24 16:08	03/25/24 12:23	84-15-1	
n-Triacontane (S)	36	%.	37-125	10	03/12/24 16:08	03/25/24 12:23		S4
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	3.6	1	03/12/24 19:49	03/13/24 02:50		
Surrogates								
a,a,a-Trifluorotoluene (S)	119	%.	71-135	1	03/12/24 19:49	03/13/24 02:50	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**1600**	ug/L	200	1	03/18/24 09:22	03/18/24 17:07	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.0**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:53	7440-38-2	
Barium	**126**	mg/kg	0.56	1	03/13/24 08:40	03/14/24 13:53	7440-39-3	
Cadmium	**0.60**	mg/kg	0.17	1	03/13/24 08:40	03/14/24 13:53	7440-43-9	
Copper	**15.8**	mg/kg	0.56	1	03/13/24 08:40	03/14/24 13:53	7440-50-8	
Lead	**21.0**	mg/kg	0.56	1	03/13/24 08:40	03/14/24 13:53	7439-92-1	
Nickel	**11.3**	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:53	7440-02-0	
Selenium	ND	mg/kg	1.1	1	03/13/24 08:40	03/14/24 13:53	7782-49-2	
Silver	ND	mg/kg	0.56	1	03/13/24 08:40	03/14/24 13:53	7440-22-4	
Zinc	**61.7**	mg/kg	2.2	1	03/13/24 08:40	03/14/24 13:53	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**13.0**	%	0.10	1		03/13/24 10:04		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad East **Lab ID: 10686159005** Collected: 03/11/24 08:45 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	207-08-9	
Chrysene	**27.8**	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	53-70-3	
Fluoranthene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	206-44-0	
Fluorene	**40.0**	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	193-39-5	
1-Methylnaphthalene	**51.2**	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	90-12-0	
2-Methylnaphthalene	**47.5**	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	91-57-6	
Naphthalene	ND	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	91-20-3	
Pyrene	**14.6**	ug/kg	11.5	1	03/12/24 15:50	03/13/24 19:44	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	48-125	1	03/12/24 15:50	03/13/24 19:44	321-60-8	
p-Terphenyl-d14 (S)	60	%.	51-139	1	03/12/24 15:50	03/13/24 19:44	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	14.7	1	03/13/24 12:08	03/13/24 22:11	71-43-2	
Ethylbenzene	ND	ug/kg	36.7	1	03/13/24 12:08	03/13/24 22:11	100-41-4	
Toluene	ND	ug/kg	36.7	1	03/13/24 12:08	03/13/24 22:11	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	36.7	1	03/13/24 12:08	03/13/24 22:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	36.7	1	03/13/24 12:08	03/13/24 22:11	108-67-8	
Xylene (Total)	ND	ug/kg	110	1	03/13/24 12:08	03/13/24 22:11	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	75-125	1	03/13/24 12:08	03/13/24 22:11	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1	03/13/24 12:08	03/13/24 22:11	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1	03/13/24 12:08	03/13/24 22:11	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 09:08		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**7.45**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**1570**	umhos/cm	10.0	1	03/16/24 17:46	03/17/24 12:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad East **Lab ID: 10686159005** Collected: 03/11/24 08:45 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**0.320**			1	03/19/24 11:42	03/19/24 11:42		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad West **Lab ID: 10686159006** Collected: 03/11/24 09:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015D GCS THC-Diesel Microwave	Analytical Method: EPA 8015D Modified Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
Motor Oil Range (C24-C36)	**890**	mg/kg	119	10	03/12/24 16:08	03/19/24 02:38		N2
TPH-DRO (C10-C28)	**474**	mg/kg	119	10	03/12/24 16:08	03/19/24 02:38		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	03/12/24 16:08	03/19/24 02:38	84-15-1	S4
n-Triacontane (S)	0	%.	30-150	10	03/12/24 16:08	03/19/24 02:38		S4
8015DGCS THC-Diesel Silica Gel	Analytical Method: EPA 8015D Modified w/ SG Preparation Method: EPA 3546 Microwave Pace Analytical Services - Minneapolis							
C10-C36	**840**	mg/kg	119	10	03/12/24 16:08	03/25/24 12:34		N2
Motor Oil Range (C24-C36)	**688**	mg/kg	119	10	03/12/24 16:08	03/25/24 12:34		N2
TPH-DRO (C10-C28)	**354**	mg/kg	119	10	03/12/24 16:08	03/25/24 12:34		
Surrogates								
o-Terphenyl (S)	80	%.	45-125	10	03/12/24 16:08	03/25/24 12:34	84-15-1	
n-Triacontane (S)	34	%.	37-125	10	03/12/24 16:08	03/25/24 12:34		S4
8015D GCV GRO	Analytical Method: EPA 8015D Preparation Method: EPA 5030 Pace Analytical Services - Minneapolis							
Gasoline Range Organics	ND	mg/kg	3.7	1	03/12/24 19:49	03/13/24 03:06		
Surrogates								
a,a,a-Trifluorotoluene (S)	119	%.	71-135	1	03/12/24 19:49	03/13/24 03:06	98-08-8	
Metals (ICP) 6010B-NE493 Ch 2	Analytical Method: 6010B-NE493 Ch 2 Preparation Method: HWS Boron Pace National - Mt. Juliet							
Boron, Hot Water Soluble	**1190**	ug/L	200	1	03/18/24 09:22	03/18/24 17:09	7440-42-8H	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Minneapolis							
Arsenic	**4.2**	mg/kg	1.2	1	03/13/24 08:40	03/14/24 13:54	7440-38-2	
Barium	**137**	mg/kg	0.58	1	03/13/24 08:40	03/14/24 13:54	7440-39-3	
Cadmium	**0.59**	mg/kg	0.17	1	03/13/24 08:40	03/14/24 13:54	7440-43-9	
Copper	**17.8**	mg/kg	0.58	1	03/13/24 08:40	03/14/24 13:54	7440-50-8	
Lead	**36.7**	mg/kg	0.58	1	03/13/24 08:40	03/14/24 13:54	7439-92-1	
Nickel	**11.0**	mg/kg	1.2	1	03/13/24 08:40	03/14/24 13:54	7440-02-0	
Selenium	ND	mg/kg	1.2	1	03/13/24 08:40	03/14/24 13:54	7782-49-2	
Silver	ND	mg/kg	0.58	1	03/13/24 08:40	03/14/24 13:54	7440-22-4	
Zinc	**66.1**	mg/kg	2.3	1	03/13/24 08:40	03/14/24 13:54	7440-66-6	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis							
Percent Moisture	**16.3**	%	0.10	1		03/13/24 10:05		N2
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Acenaphthene	**12.3**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	83-32-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad West **Lab ID: 10686159006** Collected: 03/11/24 09:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546 Pace Analytical Services - Minneapolis							
Anthracene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	205-99-2	
Benzo(k)fluoranthene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	207-08-9	
Chrysene	**29.6**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	53-70-3	
Fluoranthene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	206-44-0	
Fluorene	**56.1**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	193-39-5	
1-Methylnaphthalene	**56.6**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	90-12-0	
2-Methylnaphthalene	**52.6**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	91-57-6	
Naphthalene	ND	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	91-20-3	
Pyrene	**15.7**	ug/kg	11.9	1	03/12/24 15:50	03/13/24 20:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	48-125	1	03/12/24 15:50	03/13/24 20:07	321-60-8	
p-Terphenyl-d14 (S)	63	%.	51-139	1	03/12/24 15:50	03/13/24 20:07	1718-51-0	
8260D MSV UST	Analytical Method: EPA 8260D Preparation Method: EPA 5035/5030B Pace Analytical Services - Minneapolis							
Benzene	ND	ug/kg	15.9	1	03/13/24 12:08	03/13/24 21:21	71-43-2	
Ethylbenzene	ND	ug/kg	39.6	1	03/13/24 12:08	03/13/24 21:21	100-41-4	
Toluene	ND	ug/kg	39.6	1	03/13/24 12:08	03/13/24 21:21	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	39.6	1	03/13/24 12:08	03/13/24 21:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	39.6	1	03/13/24 12:08	03/13/24 21:21	108-67-8	
Xylene (Total)	ND	ug/kg	119	1	03/13/24 12:08	03/13/24 21:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1	03/13/24 12:08	03/13/24 21:21	460-00-4	
Toluene-d8 (S)	102	%.	75-125	1	03/13/24 12:08	03/13/24 21:21	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	97	%.	75-125	1	03/13/24 12:08	03/13/24 21:21	2199-69-1	
Wet Chemistry 7199	Analytical Method: EPA 7199 Preparation Method: 3060A Pace National - Mt. Juliet							
Chromium, Hexavalent	ND	mg/kg	1.00	1	03/14/24 00:22	03/14/24 09:14		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**7.51**	Std. Units		1	03/14/24 16:13	03/14/24 21:30		H3
Wet Chemistry 9050AMod	Analytical Method: EPA 9050 Preparation Method: 9050A Pace National - Mt. Juliet							
Specific Conductance	**827**	umhos/cm	10.0	1	03/16/24 17:46	03/17/24 12:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Sample: Well 20-3 Stockpile Pad West **Lab ID: 10686159006** Collected: 03/11/24 09:00 Received: 03/12/24 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Calculated Results	Analytical Method: Calculated Preparation Method: Calc Pace National - Mt. Juliet							
Sodium Adsorption Ratio	**0.218**			1	03/19/24 11:45	03/19/24 11:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935832
QC Batch Method: EPA 5030
Analysis Method: EPA 8015D
Analysis Description: 8015D GCV GRO Solid
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4904093 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	03/13/24 00:58	
a,a,a-Trifluorotoluene (S)	%.	120	71-135	03/13/24 00:58	

LABORATORY CONTROL SAMPLE: 4904094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	50	43.6	87	74-125	
a,a,a-Trifluorotoluene (S)	%.			122	71-135	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4904095 4904096

Parameter	Units	10686159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Gasoline Range Organics	mg/kg	ND	17.6	17.6	15.3	15.5	87	88	42-132	1	
a,a,a-Trifluorotoluene (S)	%.						122	122	71-135		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 2248621
QC Batch Method: HWS Boron
Analysis Method: 6010B-NE493 Ch 2
Analysis Description: Metals (ICP) 6010B-NE493 Ch 2
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: R4047069-1 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron, Hot Water Soluble	ug/L	ND	200	03/18/24 16:56	

LABORATORY CONTROL SAMPLE & LCSD: R4047069-2 R4047069-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Boron, Hot Water Soluble	ug/L	1000	1130	1130	113	113	80.0-120	0.390	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935802
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4903871 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.96	03/14/24 13:32	
Barium	mg/kg	ND	0.48	03/14/24 13:32	
Cadmium	mg/kg	ND	0.14	03/14/24 13:32	
Copper	mg/kg	ND	0.48	03/14/24 13:32	
Lead	mg/kg	ND	0.48	03/14/24 13:32	
Nickel	mg/kg	ND	0.96	03/14/24 13:32	
Selenium	mg/kg	ND	0.96	03/14/24 13:32	
Silver	mg/kg	ND	0.48	03/14/24 13:32	
Zinc	mg/kg	ND	1.9	03/14/24 13:32	

LABORATORY CONTROL SAMPLE: 4903872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	49.2	47.5	96	80-120	
Barium	mg/kg	49.2	51.4	104	80-120	
Cadmium	mg/kg	49.2	49.6	101	80-120	
Copper	mg/kg	49.2	48.9	99	80-120	
Lead	mg/kg	49.2	49.6	101	80-120	
Nickel	mg/kg	49.2	49.4	100	80-120	
Selenium	mg/kg	49.2	46.7	95	80-120	
Silver	mg/kg	24.6	23.4	95	80-120	
Zinc	mg/kg	49.2	48.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4903873 4903874

Parameter	Units	10686159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/kg	3.8	50.8	51.5	50.2	49.8	91	89	75-125	1	
Barium	mg/kg	123	50.8	51.5	180	171	112	93	75-125	5	
Cadmium	mg/kg	0.41	50.8	51.5	44.4	44.8	87	86	75-125	1	
Copper	mg/kg	7.7	50.8	51.5	57.8	57.4	98	97	75-125	1	
Lead	mg/kg	4.5	50.8	51.5	50.0	49.9	90	88	75-125	0	
Nickel	mg/kg	8.1	50.8	51.5	53.0	52.7	88	87	75-125	0	
Selenium	mg/kg	ND	50.8	51.5	46.5	46.4	91	89	75-125	0	
Silver	mg/kg	ND	25.4	25.7	23.9	23.9	94	93	75-125	0	
Zinc	mg/kg	23.9	50.8	51.5	68.5	66.0	88	82	75-125	4	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935863
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

SAMPLE DUPLICATE: 4904225

Parameter	Units	10686159001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	5.2	5.4	5	N2

SAMPLE DUPLICATE: 4904226

Parameter	Units	10686247006 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	12.5	12.9	3	N2

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935947
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV UST
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4904488 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	03/13/24 19:42	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	03/13/24 19:42	
Benzene	ug/kg	ND	20.0	03/13/24 19:42	
Ethylbenzene	ug/kg	ND	50.0	03/13/24 19:42	
Toluene	ug/kg	ND	50.0	03/13/24 19:42	
Xylene (Total)	ug/kg	ND	150	03/13/24 19:42	
1,2-Dichlorobenzene-d4 (S)	%.	98	75-125	03/13/24 19:42	
4-Bromofluorobenzene (S)	%.	101	75-125	03/13/24 19:42	
Toluene-d8 (S)	%.	100	75-125	03/13/24 19:42	

LABORATORY CONTROL SAMPLE & LCSD: 4904489 4904490

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1050	1030	105	103	66-129	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1040	986	104	99	66-129	5	20	
Benzene	ug/kg	1000	945	955	94	95	75-125	1	20	
Ethylbenzene	ug/kg	1000	1010	1010	101	101	70-125	1	20	
Toluene	ug/kg	1000	993	976	99	98	72-125	2	20	
Xylene (Total)	ug/kg	3000	3050	3070	102	102	70-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				101	100	75-125			
4-Bromofluorobenzene (S)	%.				102	103	75-125			
Toluene-d8 (S)	%.				102	102	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935779
QC Batch Method: EPA 3546 Microwave
Analysis Method: EPA 8015D Modified
Analysis Description: 8015D Solid GCSV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4903754 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	ND	10.0	03/19/24 01:54	N2
TPH-DRO (C10-C28)	mg/kg	ND	10.0	03/19/24 01:54	
n-Triacontane (S)	%.	108	30-150	03/19/24 01:54	
o-Terphenyl (S)	%.	114	30-150	03/19/24 01:54	

LABORATORY CONTROL SAMPLE: 4903755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	50	54.4	109	73-125	N2
TPH-DRO (C10-C28)	mg/kg	50	51.5	103	66-125	
n-Triacontane (S)	%.			107	30-150	
o-Terphenyl (S)	%.			116	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4903756 4903757

Parameter	Units	10686159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Motor Oil Range (C24-C36)	mg/kg	22.9	52.7	52.5	81.9	70.8	112	91	30-150	15	N2
TPH-DRO (C10-C28)	mg/kg	ND	52.7	52.5	60.3	54.5	99	89	30-150	10	
n-Triacontane (S)	%.						98	98	30-150		
o-Terphenyl (S)	%.						107	109	30-150		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 937481
QC Batch Method: EPA 3546 Microwave
Analysis Method: EPA 8015D Modified w/ SG
Analysis Description: 8015D Solid GCSV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4911063 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
C10-C36	mg/kg	ND	10.0	03/25/24 10:56	N2
Motor Oil Range (C24-C36)	mg/kg	ND	10.0	03/25/24 10:56	N2
TPH-DRO (C10-C28)	mg/kg	ND	10.0	03/25/24 10:56	
n-Triacontane (S)	%.	92	37-125	03/25/24 10:56	
o-Terphenyl (S)	%.	100	45-125	03/25/24 10:56	

LABORATORY CONTROL SAMPLE: 4911064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
C10-C36	mg/kg	100	90.3	90	70-130	N2
Motor Oil Range (C24-C36)	mg/kg	50	49.2	98	70-130	N2
TPH-DRO (C10-C28)	mg/kg	50	44.0	88	70-130	
n-Triacontane (S)	%.			93	37-125	
o-Terphenyl (S)	%.			102	45-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4911065 4911066

Parameter	Units	10686159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
C10-C36	mg/kg	17.6	105	105	111	97.5	89	76	70-130	13	N2
Motor Oil Range (C24-C36)	mg/kg	18.2	52.7	52.5	71.5	60.9	101	81	70-130	16	N2
TPH-DRO (C10-C28)	mg/kg	ND	52.7	52.5	50.6	44.9	84	74	30-150	12	
n-Triacontane (S)	%.						85	83	37-125		
o-Terphenyl (S)	%.						95	95	45-125		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 935693
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Solid PAH by SIM MSSV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: 4903369 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	03/13/24 08:56	
2-Methylnaphthalene	ug/kg	ND	10.0	03/13/24 08:56	
Acenaphthene	ug/kg	ND	10.0	03/13/24 08:56	
Anthracene	ug/kg	ND	10.0	03/13/24 08:56	
Benzo(a)anthracene	ug/kg	ND	10.0	03/13/24 08:56	
Benzo(a)pyrene	ug/kg	ND	10.0	03/13/24 08:56	
Benzo(b)fluoranthene	ug/kg	ND	10.0	03/13/24 08:56	
Benzo(k)fluoranthene	ug/kg	ND	10.0	03/13/24 08:56	
Chrysene	ug/kg	ND	10.0	03/13/24 08:56	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	03/13/24 08:56	
Fluoranthene	ug/kg	ND	10.0	03/13/24 08:56	
Fluorene	ug/kg	ND	10.0	03/13/24 08:56	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	03/13/24 08:56	
Naphthalene	ug/kg	ND	10.0	03/13/24 08:56	
Pyrene	ug/kg	ND	10.0	03/13/24 08:56	
2-Fluorobiphenyl (S)	%.	54	48-125	03/13/24 08:56	
p-Terphenyl-d14 (S)	%.	91	51-139	03/13/24 08:56	

LABORATORY CONTROL SAMPLE: 4903370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	100	59.9	60	36-125	
2-Methylnaphthalene	ug/kg	100	65.3	65	33-125	
Acenaphthene	ug/kg	100	67.0	67	45-125	
Anthracene	ug/kg	100	78.7	79	59-125	
Benzo(a)anthracene	ug/kg	100	84.3	84	66-125	
Benzo(a)pyrene	ug/kg	100	82.5	82	65-125	
Benzo(b)fluoranthene	ug/kg	100	78.0	78	61-125	
Benzo(k)fluoranthene	ug/kg	100	79.4	79	65-125	
Chrysene	ug/kg	100	78.6	79	63-125	
Dibenz(a,h)anthracene	ug/kg	100	83.0	83	63-125	
Fluoranthene	ug/kg	100	77.6	78	62-125	
Fluorene	ug/kg	100	72.7	73	51-125	
Indeno(1,2,3-cd)pyrene	ug/kg	100	85.7	86	61-125	
Naphthalene	ug/kg	100	64.6	65	37-125	
Pyrene	ug/kg	100	90.0	90	65-125	
2-Fluorobiphenyl (S)	%.			68	48-125	
p-Terphenyl-d14 (S)	%.			90	51-139	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4903371 4903372

Parameter	Units	10685364003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1-Methylnaphthalene	ug/kg	434	122	123	1460	1110	843	546	30-125	28	M1
2-Methylnaphthalene	ug/kg	442	122	123	1680	1480	1020	844	30-125	13	M1
Acenaphthene	ug/kg	188	122	123	440	408	206	180	30-131	7	M1
Anthracene	ug/kg	ND	122	123	ND	ND	0	0	35-131		M1
Benzo(a)anthracene	ug/kg	1710	122	123	577	702	-923	-816	30-150	20	M1
Benzo(a)pyrene	ug/kg	1820	122	123	898	1040	-754	-632	30-148	15	M1
Benzo(b)fluoranthene	ug/kg	2440	122	123	1140	1320	-1070	-918	30-150	14	M1
Benzo(k)fluoranthene	ug/kg	936	122	123	508	572	-350	-296	30-150	12	M1
Chrysene	ug/kg	1610	122	123	640	777	-793	-678	30-150	19	M1
Dibenz(a,h)anthracene	ug/kg	364	122	123	236	261	-105	-84	50-125	10	M1
Fluoranthene	ug/kg	2820	122	123	880	1050	-1580	-1440	30-150	18	M1
Fluorene	ug/kg	275	122	123	626	605	288	269	35-128	4	M1
Indeno(1,2,3-cd)pyrene	ug/kg	1560	122	123	924	1030	-523	-434	30-150	11	M1
Naphthalene	ug/kg	144	122	123	326	287	149	116	30-125	13	M1
Pyrene	ug/kg	2540	122	123	967	1120	-1290	-1160	30-150	15	M1
2-Fluorobiphenyl (S)	%.						67	62	48-125		D3
p-Terphenyl-d14 (S)	%.						86	82	51-139		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 2246305
QC Batch Method: 3060A
Analysis Method: EPA 7199
Analysis Description: Wet Chemistry 7199
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

METHOD BLANK: R4045420-1 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	ND	1.00	03/14/24 07:21	

LABORATORY CONTROL SAMPLE: R4045420-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	10.0	10.4	104	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4045420-4 R4045420-5

Parameter	Units	10686159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chromium, Hexavalent	mg/kg	ND	20.0	20.0	12.2	12.7	60.8	63.3	75.0-125	3.93	ML

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4045420-8 R4045420-9

Parameter	Units	10686159002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chromium, Hexavalent	mg/kg	ND	20.0	20.0	11.9	10.6	59.3	53.0	75.0-125	11.3	ML

MATRIX SPIKE SAMPLE: R4045420-12

Parameter	Units	10686159001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	641	ND	0.00	75.0-125	ML

MATRIX SPIKE SAMPLE: R4045420-13

Parameter	Units	10686159002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	654	ND	0.00	75.0-125	ML

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

SAMPLE DUPLICATE: R4045420-11

Parameter	Units	10686159004 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	ND	0.00	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 2246973
QC Batch Method: 9045C/9045D
Analysis Method: EPA 9045D
Analysis Description: Wet Chemistry 9045D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10686159001, 10686159002, 10686159003, 10686159004, 10686159005, 10686159006

LABORATORY CONTROL SAMPLE: R4045875-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH	Std. Units	10.0	10.0	100	99.0-101	

SAMPLE DUPLICATE: R4045875-2

Parameter	Units	L1714526-11 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.70	7.69	0.130	

SAMPLE DUPLICATE: R4045875-3

Parameter	Units	L1714564-01 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.67	7.65	0.261	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 2246320
QC Batch Method: 9050A
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10686159002, 10686159003, 10686159004

METHOD BLANK: R4045842-1 Matrix: Solid
Associated Lab Samples: 10686159002, 10686159003, 10686159004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	03/14/24 19:30	

LABORATORY CONTROL SAMPLE: R4045842-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	327	326	99.7	85.0-115	

SAMPLE DUPLICATE: R4045842-3

Parameter	Units	L1714416-13 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	280	278	0.502	

SAMPLE DUPLICATE: R4045842-4

Parameter	Units	L1714431-02 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	494	495	0.202	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

QC Batch: 2248127
QC Batch Method: 9050A
Analysis Method: EPA 9050
Analysis Description: Wet Chemistry 9050AMod
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10686159001, 10686159005, 10686159006

METHOD BLANK: R4046556-1 Matrix: Solid
Associated Lab Samples: 10686159001, 10686159005, 10686159006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance	umhos/cm	ND	10.0	03/17/24 12:53	

LABORATORY CONTROL SAMPLE: R4046556-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance	umhos/cm	327	334	102	85.0-115	

SAMPLE DUPLICATE: R4046556-3

Parameter	Units	L1715120-02 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	673	669	0.596	

SAMPLE DUPLICATE: R4046556-4

Parameter	Units	L1715121-02 Result	Dup Result	RPD	Qualifiers
Specific Conductance	umhos/cm	1030	1020	1.07	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10686159001
[1] Wet Chemistry by Method 9045D - 7.75 at 20.3C
[1] Wet Chemistry by Method 9050AMod - at 25C

Sample: 10686159002
[1] Wet Chemistry by Method 9045D - 7.77 at 20.4C
[1] Wet Chemistry by Method 9050AMod - at 25C

Sample: 10686159003
[1] Wet Chemistry by Method 9045D - 7.52 at 20.1C
[1] Wet Chemistry by Method 9050AMod - at 25C

Sample: 10686159004
[1] Wet Chemistry by Method 9045D - 8.34 at 20.1C
[1] Wet Chemistry by Method 9050AMod - at 25C

Sample: 10686159005
[1] Wet Chemistry by Method 9045D - 7.45 at 20C
[1] Wet Chemistry by Method 9050AMod - at 25C

Sample: 10686159006
[1] Wet Chemistry by Method 9045D - 7.51 at 20.2C

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QUALIFIERS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

SAMPLE QUALIFIERS

Sample: 10686159006
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4045842-1
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4045842-2
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4045842-3
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4045842-4
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4045875-1
[1] Wet Chemistry by Method 9045D - 10 at 20.1C
Sample: R4045875-2
[1] Wet Chemistry by Method 9045D - 7.69 at 20.4C
Sample: R4045875-3
[1] Wet Chemistry by Method 9045D - 7.65 at 20.3C
Sample: R4046556-1
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4046556-2
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4046556-3
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: R4046556-4
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1714416-13
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1714431-02
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1714526-11
[1] Wet Chemistry by Method 9045D - 7.7 at 20.6C
Sample: L1714564-01
[1] Wet Chemistry by Method 9045D - 7.67 at 20.7C
Sample: L1715120-02
[1] Wet Chemistry by Method 9050AMod - at 25C
Sample: L1715121-02
[1] Wet Chemistry by Method 9050AMod - at 25C

BATCH QUALIFIERS

Batch: 936107
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALIFIERS

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10686159001	**Well 20-3 S Wall @ 1'**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159002	**Well 20-3 W Wall @ 1'**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159003	**Well 20-3 N Wall @ 1'**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159004	**Well 20-3 E Wall @ 1'**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159005	**Well 20-3 Stockpile Pad East**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159006	**Well 20-3 Stockpile Pad West**	EPA 3546 Microwave	935779	EPA 8015D Modified	936716
10686159001	**Well 20-3 S Wall @ 1'**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159002	**Well 20-3 W Wall @ 1'**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159003	**Well 20-3 N Wall @ 1'**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159004	**Well 20-3 E Wall @ 1'**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159005	**Well 20-3 Stockpile Pad East**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159006	**Well 20-3 Stockpile Pad West**	EPA 3546 Microwave	937481	EPA 8015D Modified w/ SG	937666
10686159001	**Well 20-3 S Wall @ 1'**	EPA 5030	935832	EPA 8015D	935833
10686159002	**Well 20-3 W Wall @ 1'**	EPA 5030	935832	EPA 8015D	935833
10686159003	**Well 20-3 N Wall @ 1'**	EPA 5030	935832	EPA 8015D	935833
10686159004	**Well 20-3 E Wall @ 1'**	EPA 5030	935832	EPA 8015D	935833
10686159005	**Well 20-3 Stockpile Pad East**	EPA 5030	935832	EPA 8015D	935833
10686159006	**Well 20-3 Stockpile Pad West**	EPA 5030	935832	EPA 8015D	935833
10686159001	**Well 20-3 S Wall @ 1'**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159002	**Well 20-3 W Wall @ 1'**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159003	**Well 20-3 N Wall @ 1'**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159004	**Well 20-3 E Wall @ 1'**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159005	**Well 20-3 Stockpile Pad East**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159006	**Well 20-3 Stockpile Pad West**	HWS Boron	2248621	6010B-NE493 Ch 2	2248621
10686159001	**Well 20-3 S Wall @ 1'**	EPA 3050B	935802	EPA 6010D	935993
10686159002	**Well 20-3 W Wall @ 1'**	EPA 3050B	935802	EPA 6010D	935993
10686159003	**Well 20-3 N Wall @ 1'**	EPA 3050B	935802	EPA 6010D	935993
10686159004	**Well 20-3 E Wall @ 1'**	EPA 3050B	935802	EPA 6010D	935993
10686159005	**Well 20-3 Stockpile Pad East**	EPA 3050B	935802	EPA 6010D	935993
10686159006	**Well 20-3 Stockpile Pad West**	EPA 3050B	935802	EPA 6010D	935993
10686159001	**Well 20-3 S Wall @ 1'**	ASTM D2974	935863		
10686159002	**Well 20-3 W Wall @ 1'**	ASTM D2974	935863		
10686159003	**Well 20-3 N Wall @ 1'**	ASTM D2974	935863		
10686159004	**Well 20-3 E Wall @ 1'**	ASTM D2974	935863		
10686159005	**Well 20-3 Stockpile Pad East**	ASTM D2974	935863		
10686159006	**Well 20-3 Stockpile Pad West**	ASTM D2974	935863		
10686159001	**Well 20-3 S Wall @ 1'**	EPA 3546	935693	EPA 8270E by SIM	935883
10686159002	**Well 20-3 W Wall @ 1'**	EPA 3546	935693	EPA 8270E by SIM	935883
10686159003	**Well 20-3 N Wall @ 1'**	EPA 3546	935693	EPA 8270E by SIM	935883
10686159004	**Well 20-3 E Wall @ 1'**	EPA 3546	935693	EPA 8270E by SIM	935883
10686159005	**Well 20-3 Stockpile Pad East**	EPA 3546	935693	EPA 8270E by SIM	935883
10686159006	**Well 20-3 Stockpile Pad West**	EPA 3546	935693	EPA 8270E by SIM	935883

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Gault-Platt Well 20-3-Revised Report
Pace Project No.: 10686159

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10686159001	**Well 20-3 S Wall @ 1'**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159002	**Well 20-3 W Wall @ 1'**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159003	**Well 20-3 N Wall @ 1'**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159004	**Well 20-3 E Wall @ 1'**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159005	**Well 20-3 Stockpile Pad East**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159006	**Well 20-3 Stockpile Pad West**	EPA 5035/5030B	935947	EPA 8260D	936107
10686159001	**Well 20-3 S Wall @ 1'**	3060A	2246305	EPA 7199	2246305
10686159002	**Well 20-3 W Wall @ 1'**	3060A	2246305	EPA 7199	2246305
10686159003	**Well 20-3 N Wall @ 1'**	3060A	2246305	EPA 7199	2246305
10686159004	**Well 20-3 E Wall @ 1'**	3060A	2246305	EPA 7199	2246305
10686159005	**Well 20-3 Stockpile Pad East**	3060A	2246305	EPA 7199	2246305
10686159006	**Well 20-3 Stockpile Pad West**	3060A	2246305	EPA 7199	2246305
10686159001	**Well 20-3 S Wall @ 1'**	9045C/9045D	2246973	EPA 9045D	2246973
10686159002	**Well 20-3 W Wall @ 1'**	9045C/9045D	2246973	EPA 9045D	2246973
10686159003	**Well 20-3 N Wall @ 1'**	9045C/9045D	2246973	EPA 9045D	2246973
10686159004	**Well 20-3 E Wall @ 1'**	9045C/9045D	2246973	EPA 9045D	2246973
10686159005	**Well 20-3 Stockpile Pad East**	9045C/9045D	2246973	EPA 9045D	2246973
10686159006	**Well 20-3 Stockpile Pad West**	9045C/9045D	2246973	EPA 9045D	2246973
10686159001	**Well 20-3 S Wall @ 1'**	9050A	2248127	EPA 9050	2248127
10686159002	**Well 20-3 W Wall @ 1'**	9050A	2246320	EPA 9050	2246320
10686159003	**Well 20-3 N Wall @ 1'**	9050A	2246320	EPA 9050	2246320
10686159004	**Well 20-3 E Wall @ 1'**	9050A	2246320	EPA 9050	2246320
10686159005	**Well 20-3 Stockpile Pad East**	9050A	2248127	EPA 9050	2248127
10686159006	**Well 20-3 Stockpile Pad West**	9050A	2248127	EPA 9050	2248127
10686159001	**Well 20-3 S Wall @ 1'**	Calc	2248611	Calculated	2248611
10686159002	**Well 20-3 W Wall @ 1'**	Calc	2248611	Calculated	2248611
10686159003	**Well 20-3 N Wall @ 1'**	Calc	2248611	Calculated	2248611
10686159004	**Well 20-3 E Wall @ 1'**	Calc	2248611	Calculated	2248611
10686159005	**Well 20-3 Stockpile Pad East**	Calc	2248611	Calculated	2248611
10686159006	**Well 20-3 Stockpile Pad West**	Calc	2248611	Calculated	2248611

Pace® Location Requested (City/State):
Pace Analytical Minnesota
1700 Elm Street, Suite 200
Minneapolis, MN 55414

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 10686159

10686159

Company Name:	Wellington Operating Company	Contact/Report To:	Randy Evans
Street Address:	1590 East County Road 70 Wellington, Colorado 80549	Phone #:	970-402-0418
		E-Mail:	rgrevans477@gmail.com
		Cc E-Mail:	
Customer Project #:	Gault-Piatt Well 20-3		
Project Name:	Table 915	Invoice To:	Accounts Payable
		Invoice E-Mail:	ap@kingoperating.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	WOC-RE-141
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET		County / State origin of sample(s):	Colorado

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: COGCC/ECMC
Reportable [X] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other _5 Days_

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8015D GCS THC-Diesel Microwave	8015D GCV GRO	8260D MSV UST	EC/SAR/pH/HWS Boron (PN)	Hex Chrome VI (PN)	Metals Digestion; 6010D MET ICP; 8270E MSSV PAH by	Sample Comment
Well 20-3 S Wall @ 1'	SS	G			3/11/2024	8:35	8			X	X	X	X	X	X	01
Well 20-3 W Wall @ 1'	SS	G			3/11/2024	8:25	8			X	X	X	X	X	X	02
Well 20-3 N Wall @ 1'	SS	G			3/11/2024	8:10	8			X	X	X	X	X	X	03
Well 20-3 E Wall @ 1'	SS	G			3/11/2024	8:00	8			X	X	X	X	X	X	04
Well 20-3 Stockpile Pad East	SS	G			3/11/2024	8:45	8			X	X	X	X	X	X	05
Well 20-3 Stockpile Pad West	SS	G			3/11/2024	9:00	8			X	X	X	X	X	X	06
																07

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Yeng Ozawa
AcctNum / Client ID:
Table #:
Profile / Template: 44960
Prelog / Bottle Ord. ID: EZ 3065159

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name): Randy Evans
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature) WOC/Randy Evans	Date/Time: 3/11/24 1600	Received by/Company: (Signature) FED EX	Date/Time: 3/11/24 16:00	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3-12-24 850	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Page 43 of 48

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-MIN4-0150 v15_Sample Condition Upon Receipt

CLIENT NAME: Wellington **PROJECT #:** **WO#: 10686159**

PM: Y01 **Due Date: 03/26/24**

CLIENT: Wellington

COURIER: ☐ Client ☐ Commercial ☑ FedEx ☐ Pace ☐ SpeeDee ☐ UPS ☐ USPS

TRACKING NUMBER: 7191 6113 2406 ☐ See Exceptions form ENV-FRM-MIN4-0142

Custody Seal on Coole/Box Present: ☒ YES ☐ NO **Seals Intact:** ☒ YES ☐ NO **Biological Tissue Frozen:** ☐ YES ☐ NO ☒ N/A

Packing Material: ☒ Bubble Bags ☒ Bubble Wrap ☐ None ☐ Other **Temp Blank:** ☒ YES ☐ NO **Type of Ice:** ☐ Blue ☐ Dry ☒ Wet ☐ Melted ☐ None

Thermometer: ☐ T1 (0461) ☒ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710)

Did Samples Originate in West Virginia: ☐ YES ☒ NO	**Were All Container Temps taken:** ☐ YES ☐ NO ☒ N/A
Correction Factor: +0.4 **Cooler Temp Read w/Temp Blank:** 5.5 °C **Cooler Temp Corrected w/Temp Blank:** 5.9 °C	**Average Corrected Temp (no Temp Blank Only):** ____ °C
NOTE: *Temp should be above freezing to 6°C.*	☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container
USDA Regulated Soil: ☐ N/A – Water Sample/Other (describe): ____	**Initials & Date of Person Examining Contents:** JM 3-12-24
Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☒ NO	Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☒ NO
NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.	

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out?	☒	☐		1.
Chain of Custody Relinquished?	☒	☐		2.
Sampler Name and/or Signature on COC?	☒	☐	☐	3.
Samples Arrived within Hold Time?	☒	☐		4. If Fecal: ☐ <8 hrs ☐ >8 hr, <24 hr ☐ No
Short Hold Time Analysis (<72 hr)?	☐	☒		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Other: ____
Rush Turn Around Time Requested?	☒	☐		6. 5 DAY
Sufficient Sample Volume?	☒	☐		7.
Correct Containers Used? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
Is sufficient information available to reconcile the samples to the COC? **NOTE:** If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☒ Soil ☐ Water ☐ Other	☒	☐		11. **If NO, write ID/Date/Time of container below:** ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☒	12. Sample #:
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☐	☐	☒	Positive for Residual Chlorine: ☐ YES ☐ NO
NOTE: If adding preservative to a container, it must be added to associated field and equipment blanks—verify with PM first.				**pH Paper Lot #**
				Residual Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
				☐ See Exceptions form ENV-FRM-MIN4-0142
Headspace in Methyl Mercury Container?	☐	☐	☒	13.
Extra labels present on soil VOA or WIDRO containers?	☐	☒	☐	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0142
Trip Blanks Present?	☐	☒	☐	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): ____

CLIENT NOTIFICATION / RESOLUTION **FIELD DATA REQUIRED:** ☐ YES ☐ NO

Person Contacted: ____ Date & Time: ____

Comments / Resolution: ____

Project Manager Review: Yeng Ozawa **Date:** 3/12/24

NOTE: *When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).*

Labeled By: RNC **Line:** 5

Internal Transfer Chain of Custody

Rush Multiplier 1.5 X
Samples Pre-Logged into eCOC

State Of Origin: CO
Cert. Needed: Yes No
1035

Workorder: 10686159 **Workorder Name:** Gault-Platt Well 20-3
Owner Received Date: 3/12/2024 **Results Requested By:** 3/19/2024

Report To	Subcontract To
Yeng Ozawa Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGCU + JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: EC/SAR/pH/HWS Boron to PN	Hex Chrome VI to PN										LAB USE ONLY
1	Well 20-3 S Wall @ 1'	PS	3/11/2024 08:35	10686159001	Solid	2						X	X										-01
2	Well 20-3 W Wall @ 1'	PS	3/11/2024 08:25	10686159002	Solid	2						X	X										-02
3	Well 20-3 N Wall @ 1'	PS	3/11/2024 08:10	10686159003	Solid	2						X	X										-03
4	Well 20-3 E Wall @ 1'	PS	3/11/2024 08:00	10686159004	Solid	2						X	X										-04
5	Well 20-3 Stockpile Pad East	PS	3/11/2024 08:45	10686159005	Solid	2						X	X										-05
6	Well 20-3 Stockpile Pad West	PS	3/11/2024 09:00	10686159006	Solid	2						X	X										-06

Transfers	Released By	Date/Time	Received By	Date/Time
1	Ben Coon/PACE	3/12/24 14:30	[signature] 03/13/24	0845
2				
3				

Comments

Please send JGCU and one JGFU to PN.

5-DAY RUSH

Cooler Temperature on Receipt 2.6+2=2.4 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information

1.5+0=1.5 DP A9

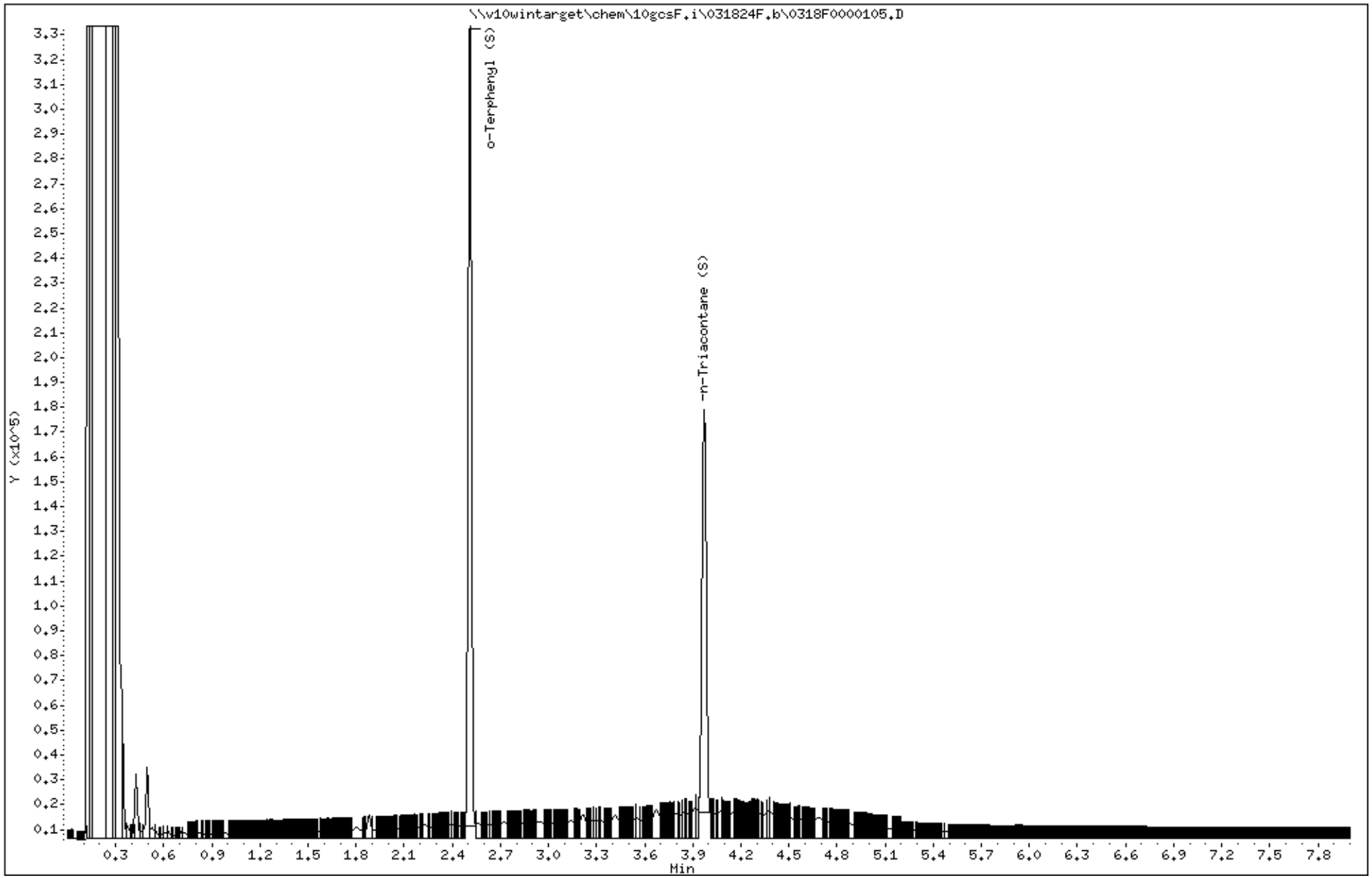
Sample Receipt Checklist — total 12

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

64726 56426233

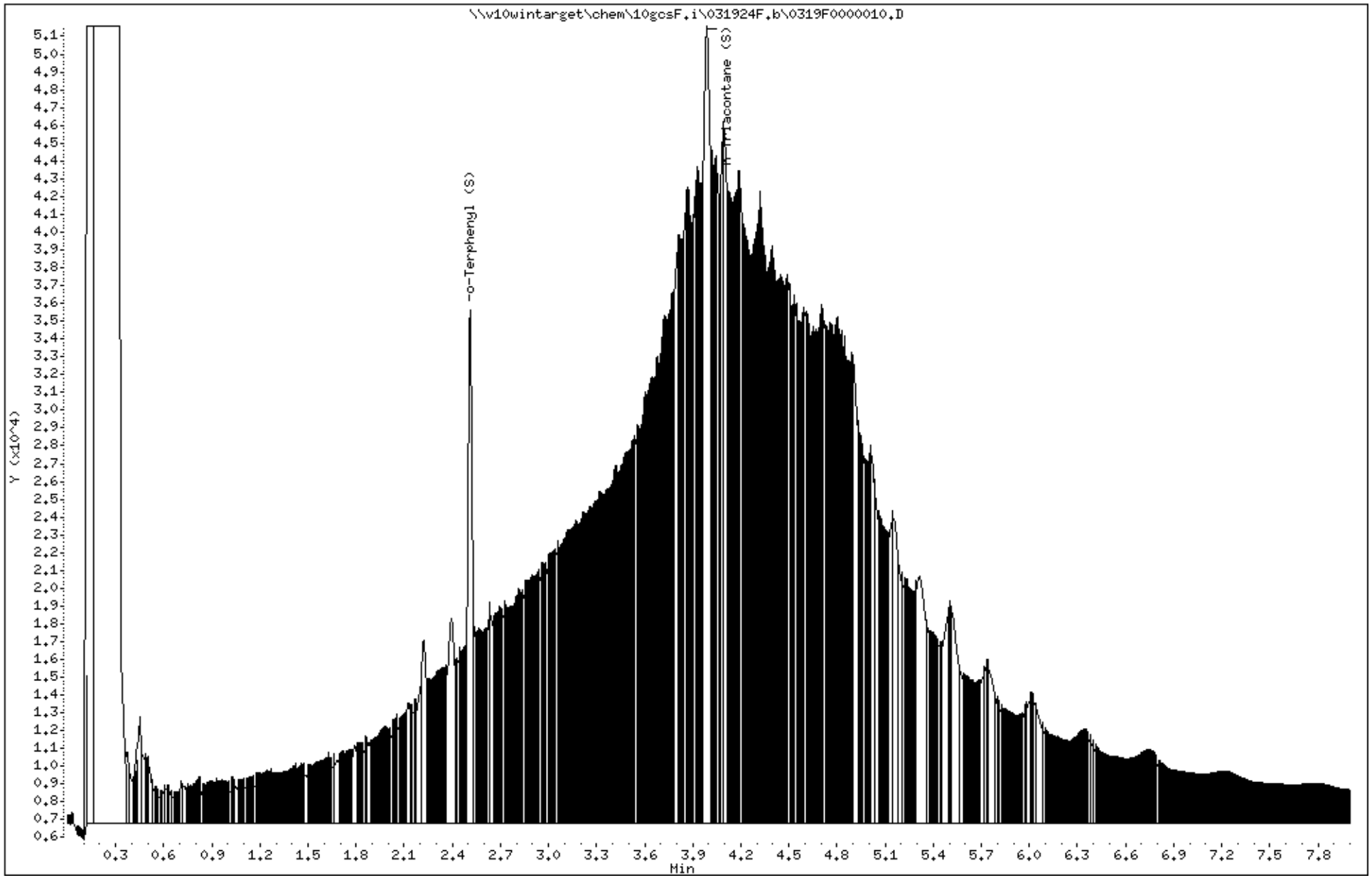
Data File: \\v10wintarget\chem\10gcsF.i\031824F.b\0318F0000105.D
Date : 19-MAR-2024 03:00
Client ID: Well 20-3 S Wall @
Sample Info: 10686159001
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



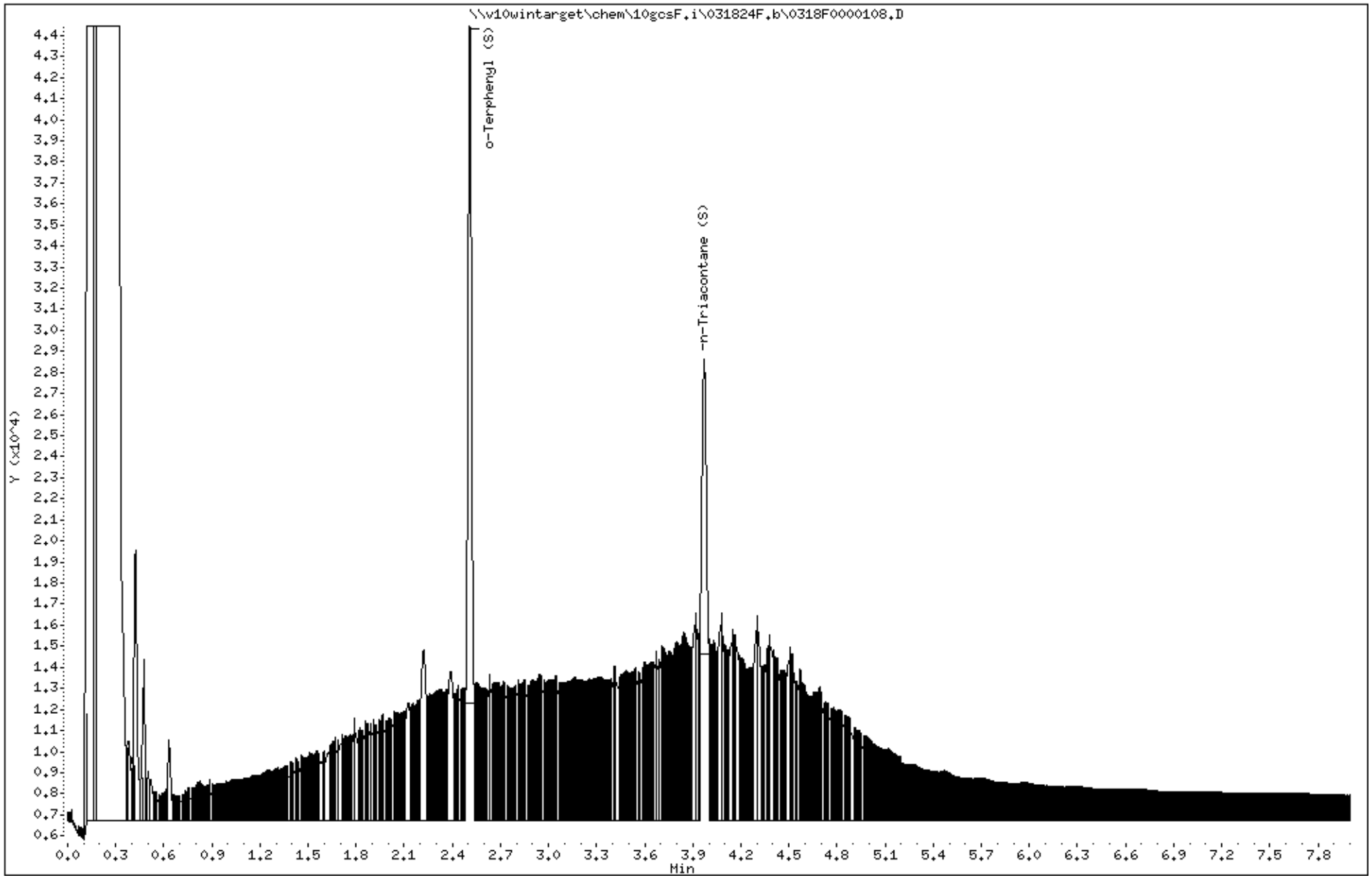
Data File: \\v10wintarget\chem\10gcsF.i\031924F.b\0319F0000010.D
Date : 19-MAR-2024 11:27
Client ID: Well 20-3 W Wall @
Sample Info: 10686159002X20
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



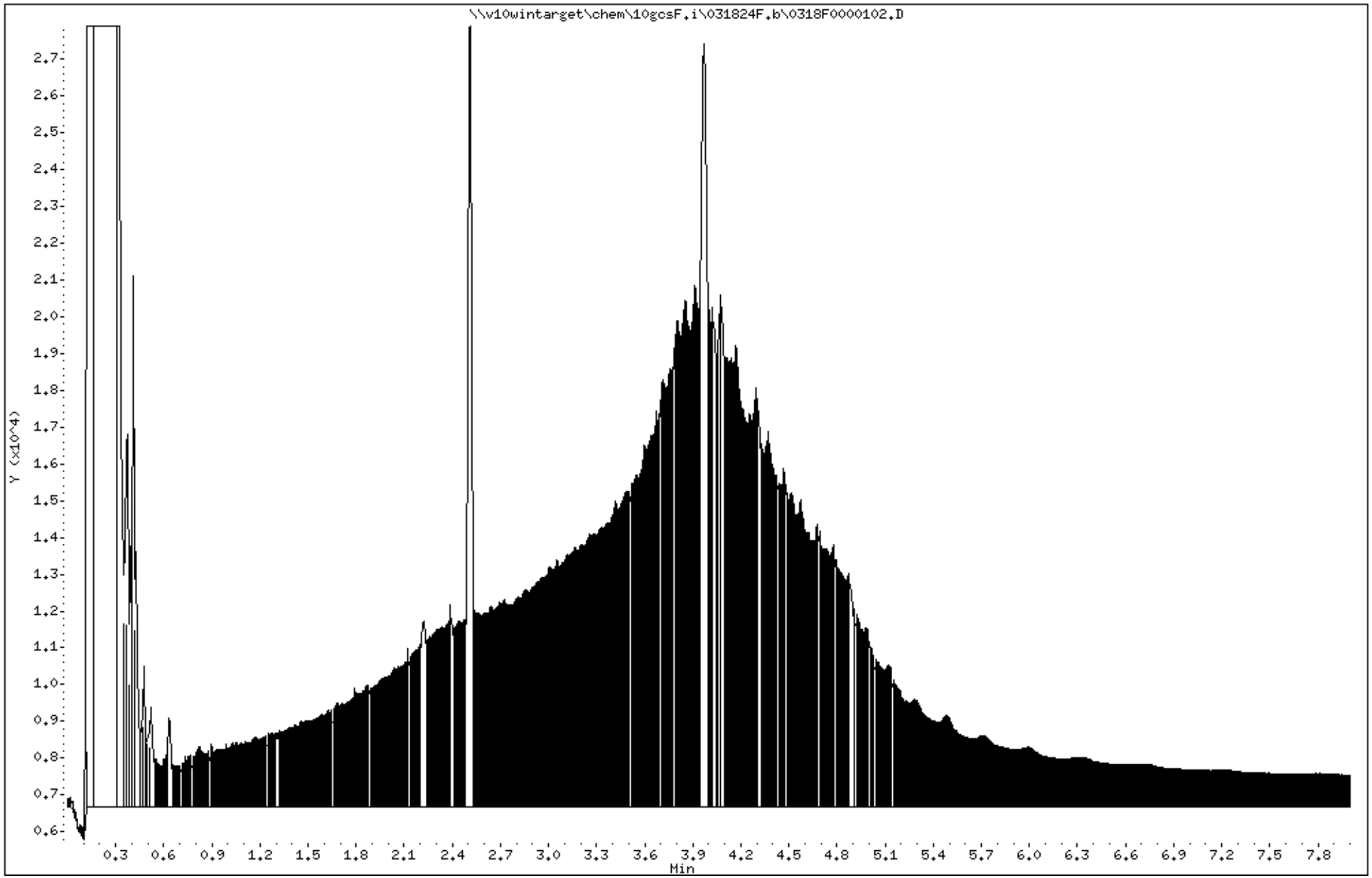
Data File: \\v10wintarget\chem\10gcsF.i\031824F.b\0318F0000108.D
Date : 19-MAR-2024 03:33
Client ID: Well 20-3 N Wall @
Sample Info: 10686159003X10
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



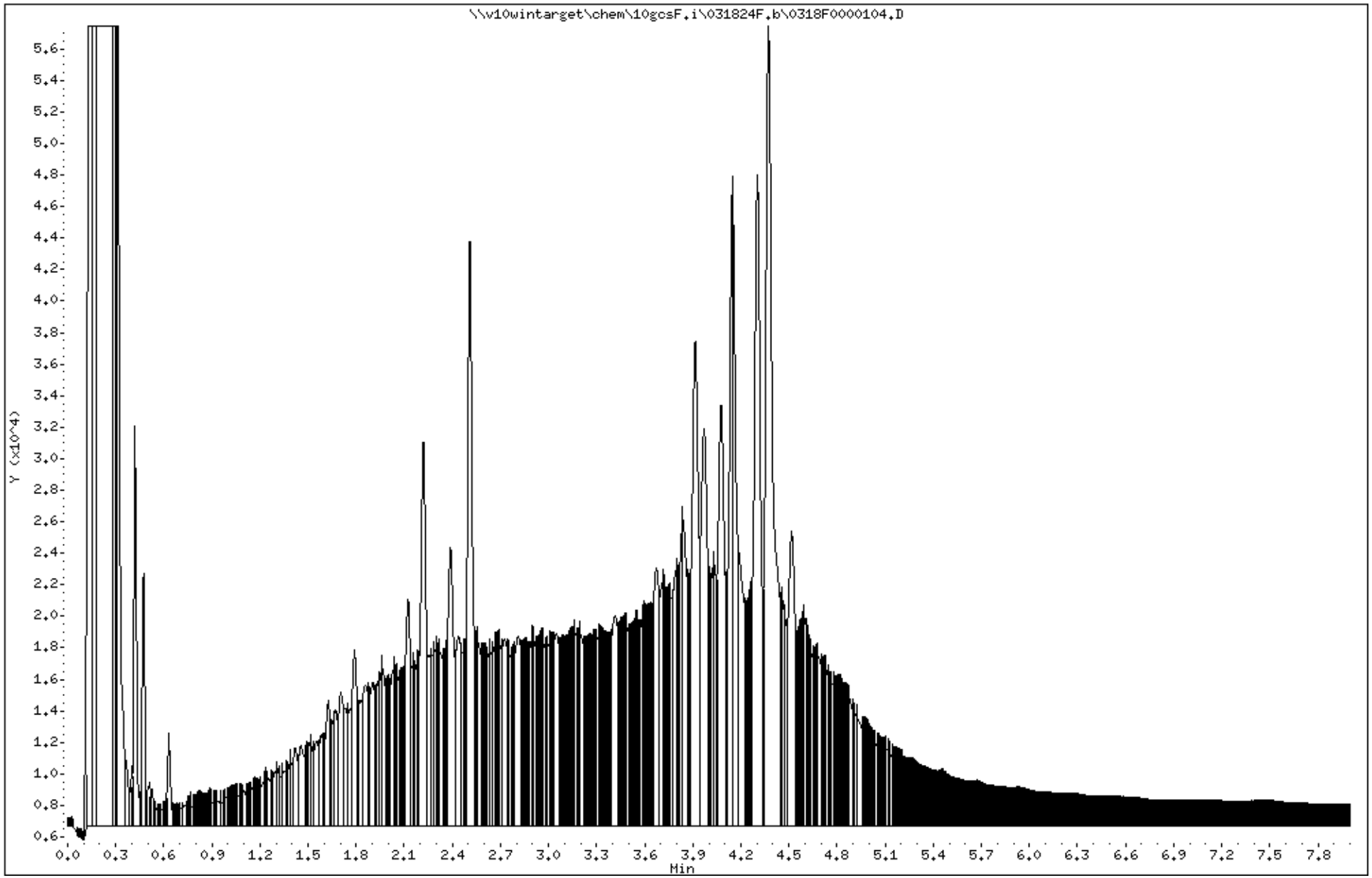
Data File: \\v10wintarget\chem\10gcsF.i\031824F.b\0318F0000102.D
Date : 19-MAR-2024 02:27
Client ID: Well 20-3 E Wall @
Sample Info: 10686159004X20
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



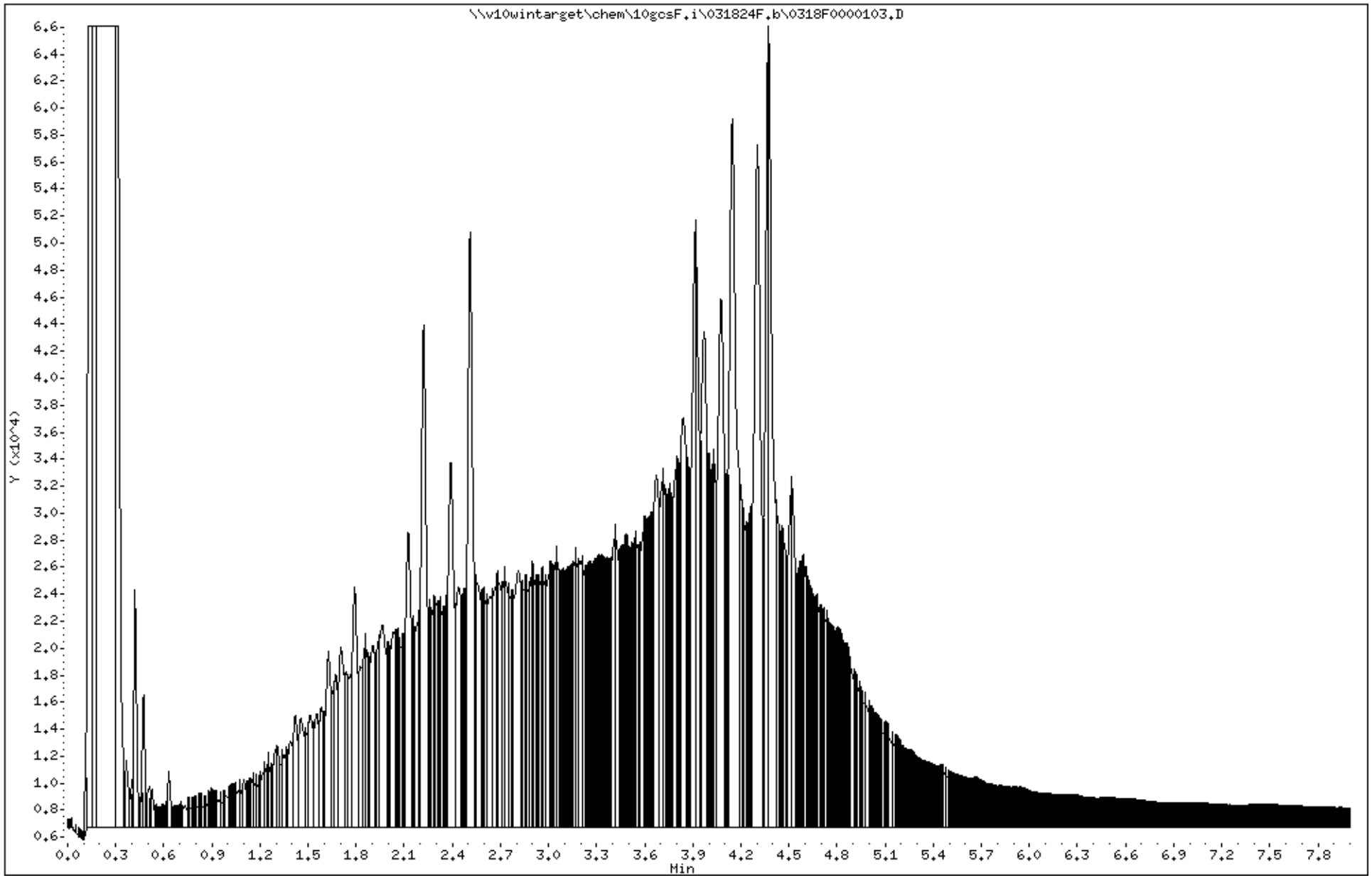
Data File: \\v10wintarget\chem\10gcsF.i\031824F.b\0318F0000104.D
Date : 19-MAR-2024 02:49
Client ID: Well 20-3 Stockpile
Sample Info: 10686159005X10
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcsF.i\031824F.b\0318F0000103.D
Date : 19-MAR-2024 02:38
Client ID: Well 20-3 Stockpile
Sample Info: 10686159006X10
Volume Injected (uL): 1.0
Column phase: DB-5-US23430008

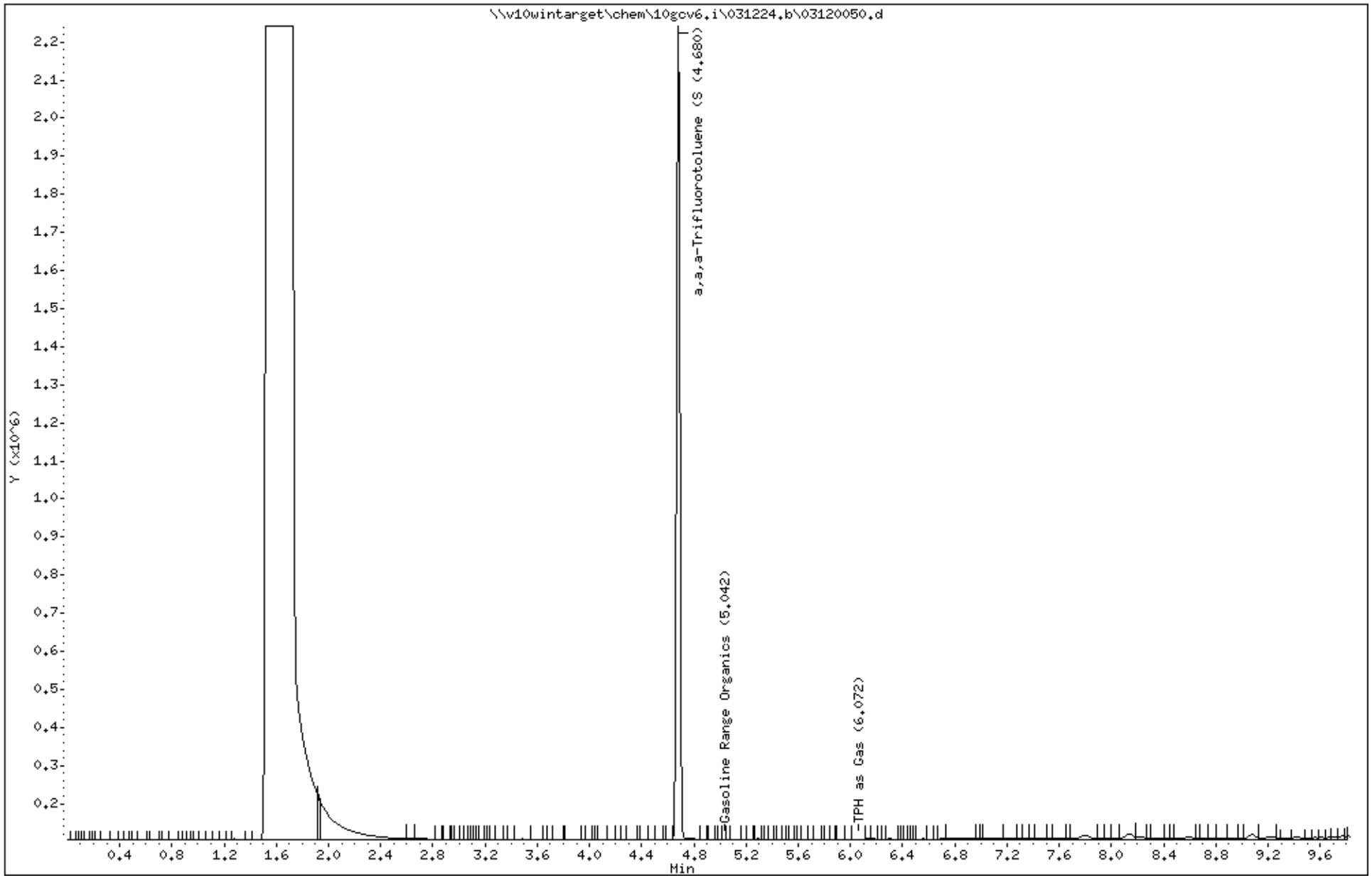
Instrument: 10gcsF.i
Operator: TT2
Column diameter: 0.32



Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120050.d
Date : 13-MAR-2024 06:17
Client ID: Well 20-3 S Wall @
Sample Info: 10686159001,

Instrument: 10gcv6.i

Operator: TM2
Column phase: DB-624US1772861H
Column diameter: 0.18

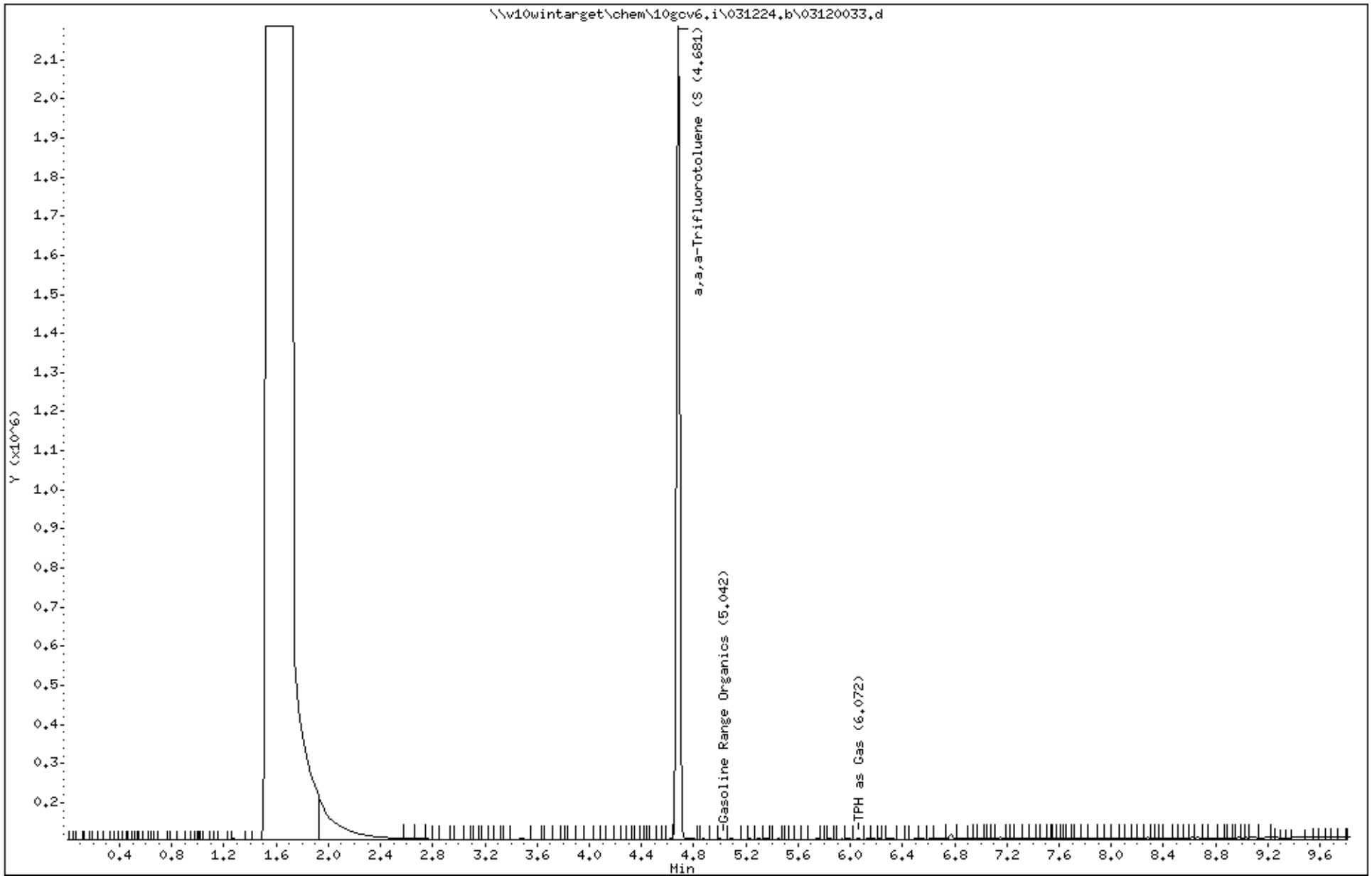


Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120033.d
Date : 13-MAR-2024 01:46
Client ID: Well 20-3 W Wall @
Sample Info: 10686159002,

Instrument: 10gcv6.i

Operator: TM2
Column diameter: 0.18

Column phase: DB-624US1772861H

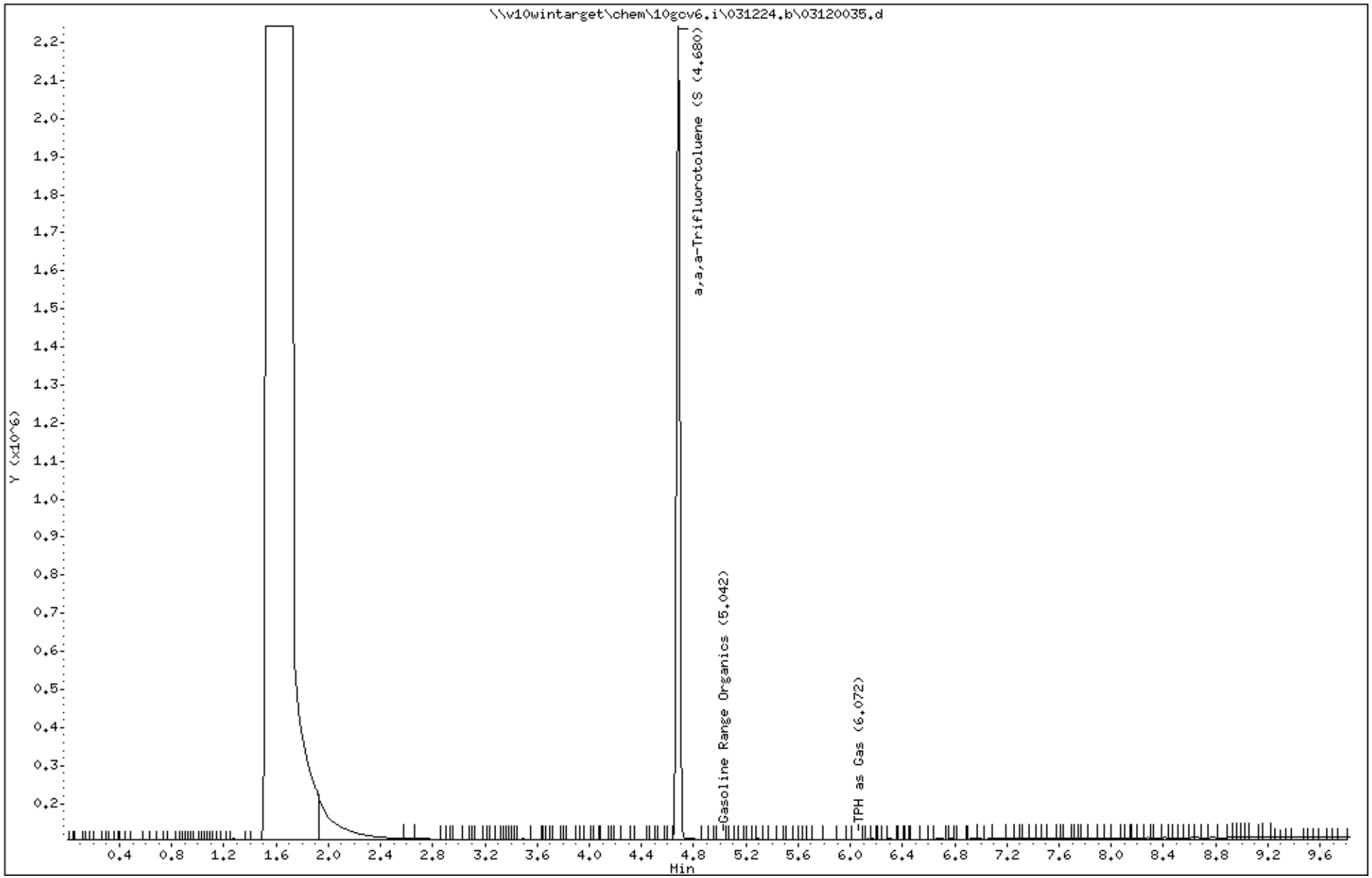


Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120035.d
Date : 13-MAR-2024 02:18
Client ID: Well 20-3 N Wall @
Sample Info: 10686159003,

Instrument: 10gcv6.i

Operator: TM2
Column diameter: 0.18

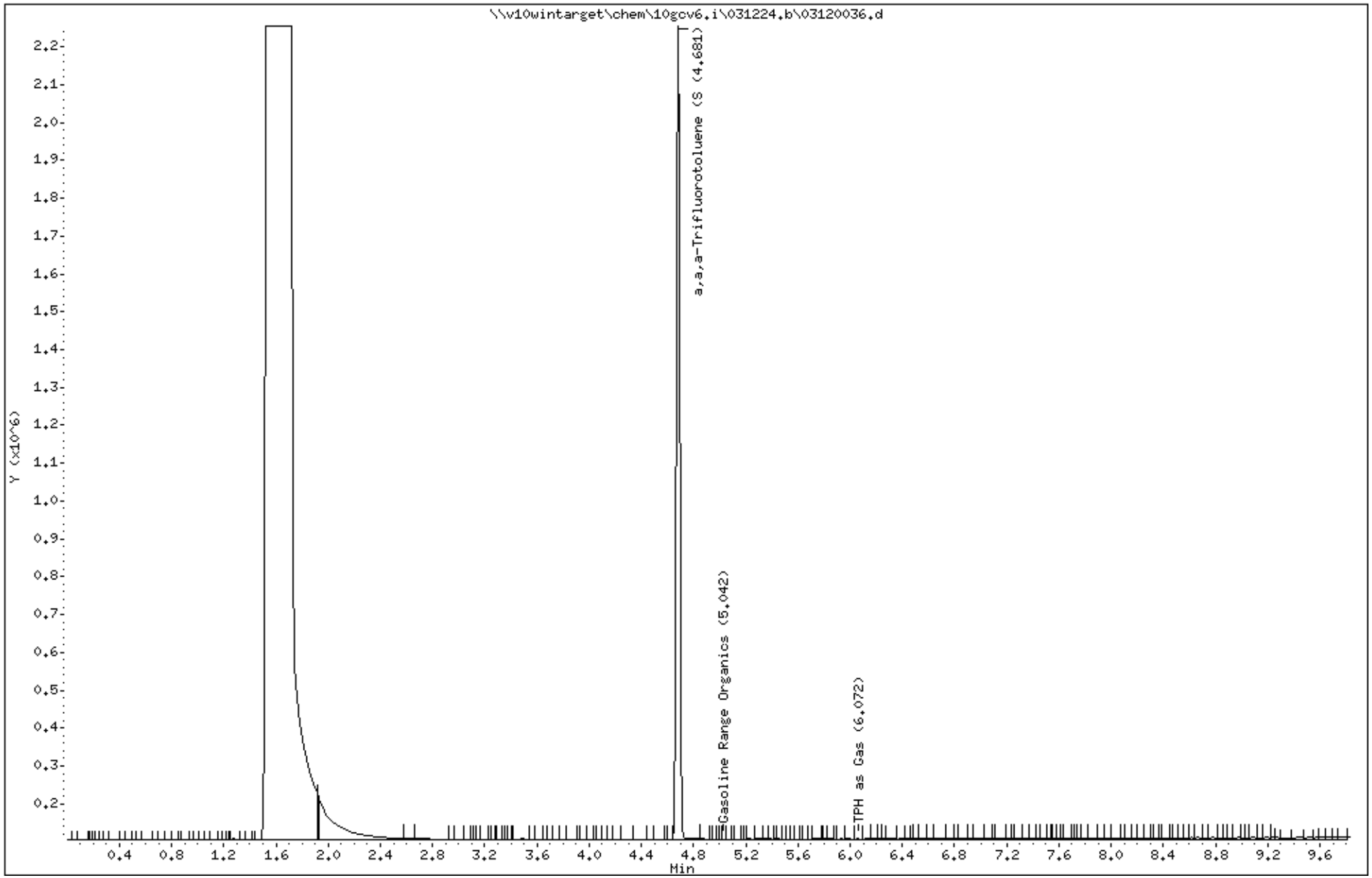
Column phase: DB-624US1772861H



Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120036.d
Date : 13-MAR-2024 02:34
Client ID: Well 20-3 E Wall @
Sample Info: 10686159004,

Instrument: 10gcv6.i

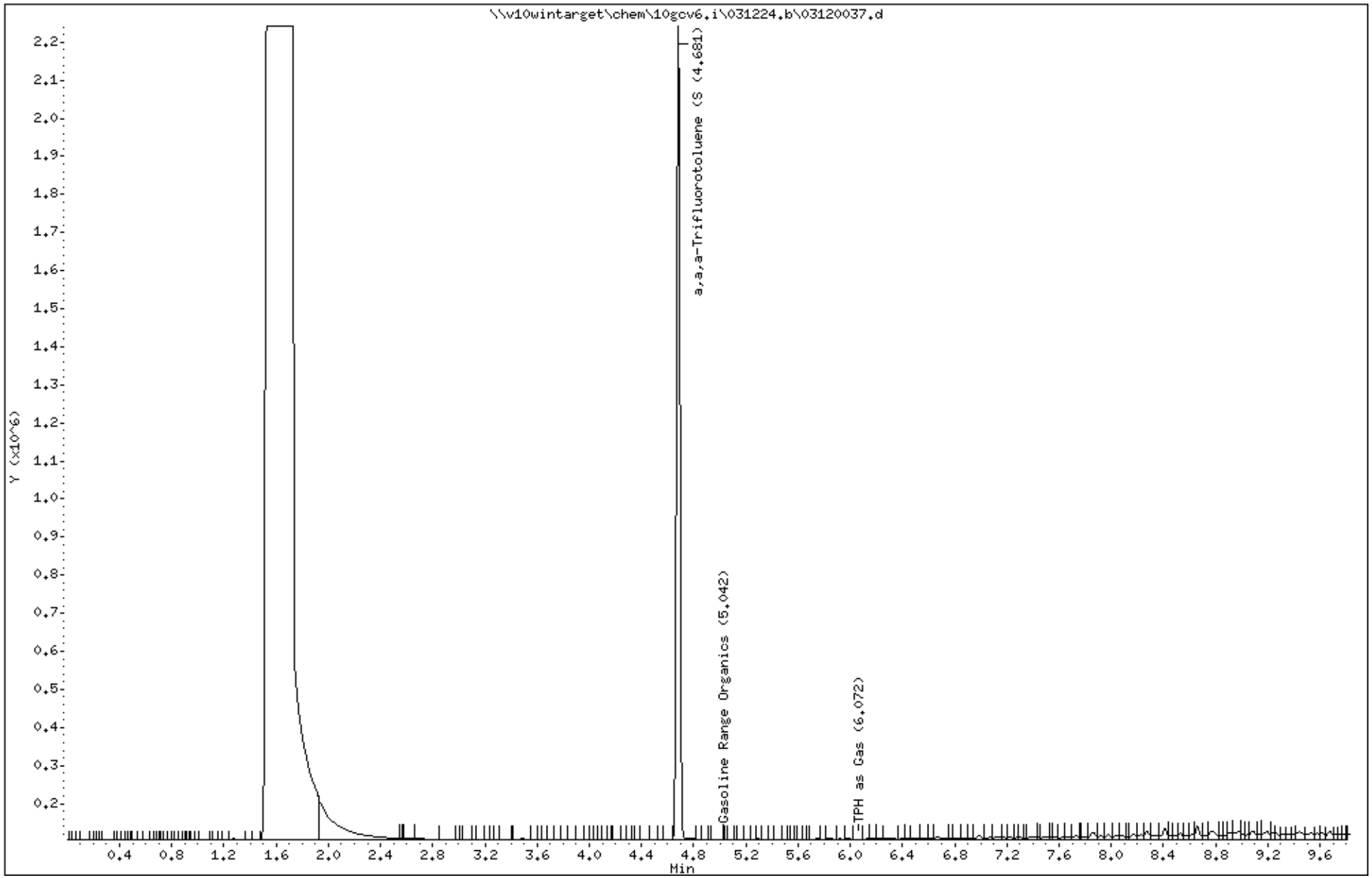
Operator: TM2
Column phase: DB-624US1772861H
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120037.d
Date : 13-MAR-2024 02:50
Client ID: Well 20-3 Stockpile
Sample Info: 10686159005,

Instrument: 10gcv6.i

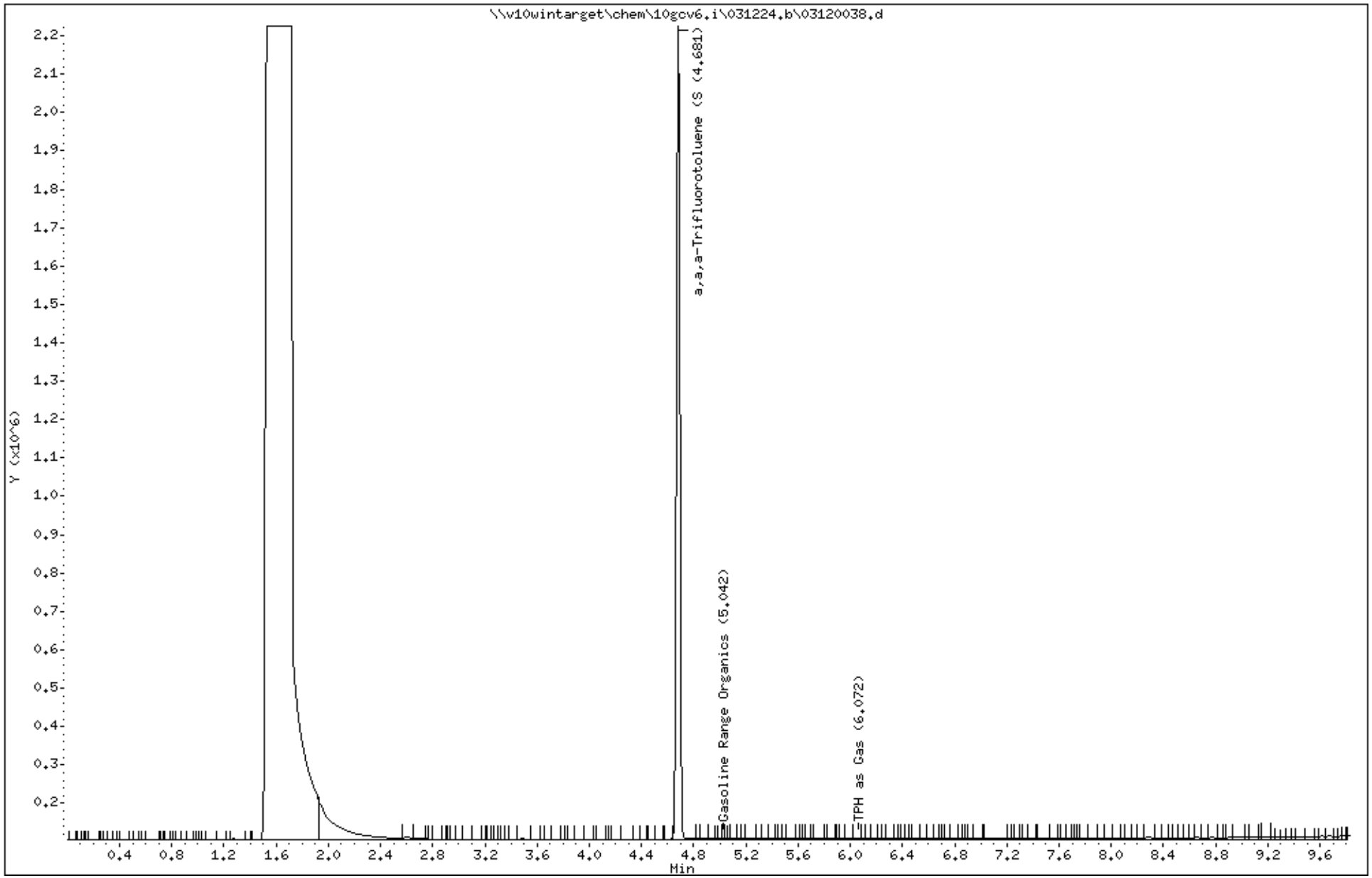
Operator: TM2
Column phase: DB-624US1772861H
Column diameter: 0.18



Data File: \\v10wintarget\chem\10gcv6.i\031224.b\03120038.d
Date : 13-MAR-2024 03:06
Client ID: Well 20-3 Stockpile
Sample Info: 10686159006,

Instrument: 10gcv6.i

Operator: TM2
Column phase: DB-624US1772861H
Column diameter: 0.18



ANALYTICAL REPORT

March 19, 2024

Pace Analytical - Minnesota

Sample Delivery Group:	L1714848
Samples Received:	03/13/2024
Project Number:	10686159
Description:	Gault-Platt Well 20-3
Site:	001
Report To:	Yeng Ozawa 1700 Elm Street Suite 200 Minneapolis, MN 55414

Entire Report Reviewed By:

Naomi M Sackett
Project Manager

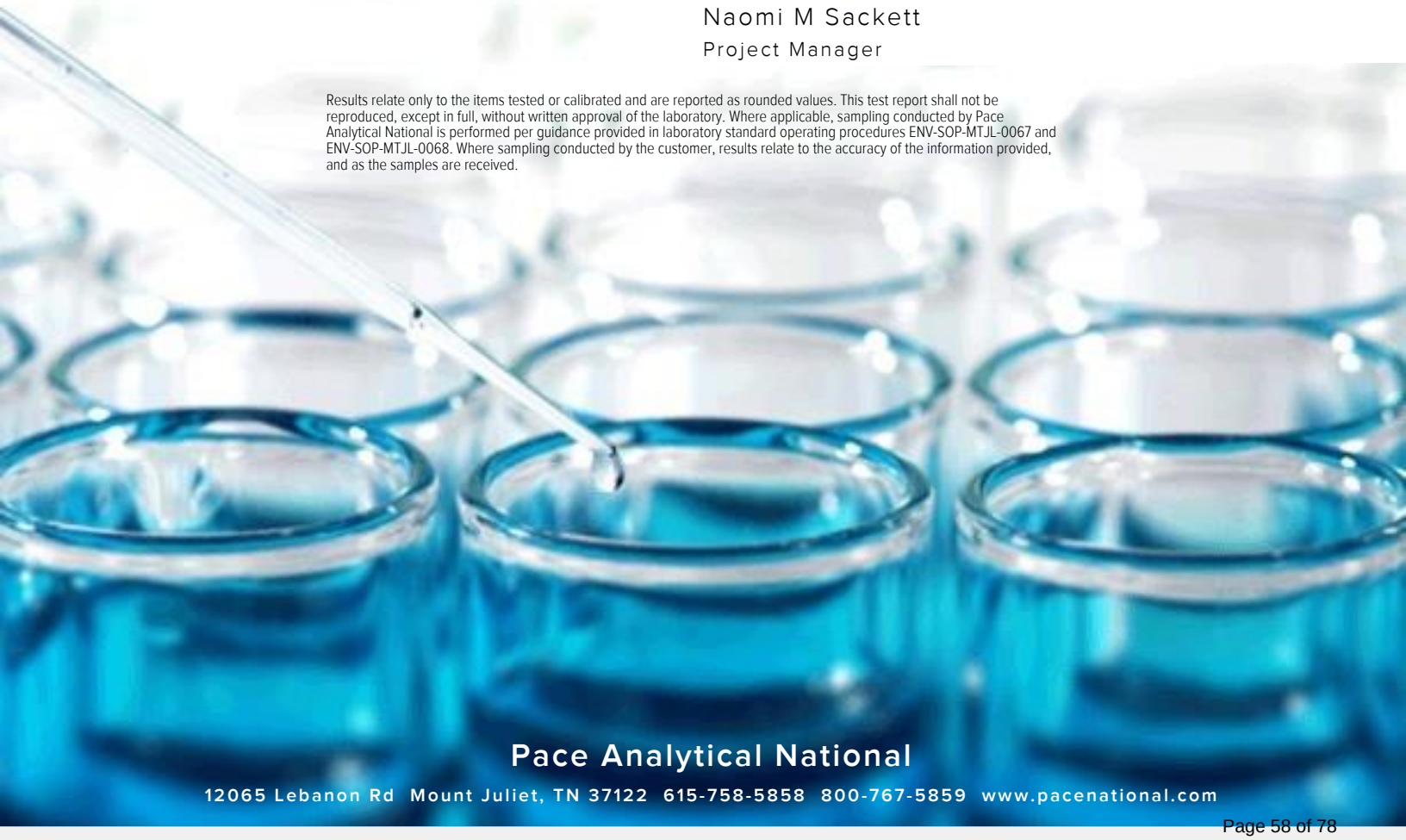


TABLE OF CONTENTS

WELL 20-3 S WALL @ 1' L1714848-01 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 08:35	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:31	03/19/24 11:31	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 07:35	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2248127	1	03/16/24 17:46	03/17/24 12:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:00	ZSA	Mt. Juliet, TN

WELL 20-3 W WALL @ 1' L1714848-02 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 08:25	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:34	03/19/24 11:34	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 08:06	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2246320	1	03/14/24 12:51	03/14/24 19:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:02	ZSA	Mt. Juliet, TN

WELL 20-3 N WALL @ 1' L1714848-03 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 08:10	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:37	03/19/24 11:37	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 08:50	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2246320	1	03/14/24 12:51	03/14/24 19:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:04	ZSA	Mt. Juliet, TN

WELL 20-3 E WALL @ 1' L1714848-04 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 08:00	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:40	03/19/24 11:40	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 08:56	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2246320	1	03/14/24 12:51	03/14/24 19:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:05	ZSA	Mt. Juliet, TN

WELL 20-3 STOCKPILE PAD EAST L1714848-05 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 08:45	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:42	03/19/24 11:42	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 09:08	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2248127	1	03/16/24 17:46	03/17/24 12:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:07	ZSA	Mt. Juliet, TN

WELL 20-3 STOCKPILE PAD WEST L1714848-06 Solid

Collected by	Collected date/time	Received date/time
	03/11/24 09:00	03/13/24 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2248611	1	03/19/24 11:45	03/19/24 11:45	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2246305	1	03/14/24 00:22	03/14/24 09:14	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2246973	1	03/14/24 16:13	03/14/24 21:30	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2248127	1	03/16/24 17:46	03/17/24 12:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2248621	1	03/18/24 09:22	03/18/24 17:09	ZSA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Naomi M Sackett
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.27		1	03/19/2024 11:31	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U	J6	0.255	1.00	1	03/14/2024 07:35	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.75	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-01 WG2246973: 7.75 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	924		10.0	1	03/17/2024 12:53	WG2248127

Sample Narrative:

L1714848-01 WG2248127: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	321		16.7	200	1	03/18/2024 17:00	WG2248621

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.07		1	03/19/2024 11:34	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U	J6	0.255	1.00	1	03/14/2024 08:06	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.77	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-02 WG2246973: 7.77 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	623		10.0	1	03/14/2024 19:30	WG2246320

Sample Narrative:

L1714848-02 WG2246320: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	674		16.7	200	1	03/18/2024 17:02	WG2248621

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.434		1	03/19/2024 11:37	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	03/14/2024 08:50	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.52	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-03 WG2246973: 7.52 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2920		10.0	1	03/14/2024 19:30	WG2246320

Sample Narrative:

L1714848-03 WG2246320: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	736		16.7	200	1	03/18/2024 17:04	WG2248621

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.01		1	03/19/2024 11:40	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	03/14/2024 08:56	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.34	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-04 WG2246973: 8.34 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	489		10.0	1	03/14/2024 19:30	WG2246320

Sample Narrative:

L1714848-04 WG2246320: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	523		16.7	200	1	03/18/2024 17:05	WG2248621

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.320		1	03/19/2024 11:42	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	03/14/2024 09:08	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.45	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-05 WG2246973: 7.45 at 20C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	1570		10.0	1	03/17/2024 12:53	WG2248127

Sample Narrative:

L1714848-05 WG2248127: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1600		16.7	200	1	03/18/2024 17:07	WG2248621

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.218		1	03/19/2024 11:45	WG2248611

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	03/14/2024 09:14	WG2246305

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.51	T8	1	03/14/2024 21:30	WG2246973

Sample Narrative:

L1714848-06 WG2246973: 7.51 at 20.2C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	827		10.0	1	03/17/2024 12:53	WG2248127

Sample Narrative:

L1714848-06 WG2248127: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1190		16.7	200	1	03/18/2024 17:09	WG2248621

Method Blank (MB)

(MB) R4045420-1 03/14/24 07:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.255	1.00

L1714848-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1714848-04 03/14/24 08:56 • (DUP) R4045420-11 03/14/24 09:02

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4045420-2 03/14/24 07:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.4	104	80.0-120	

L1714848-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1714848-01 03/14/24 07:35 • (MS) R4045420-4 03/14/24 07:48 • (MSD) R4045420-5 03/14/24 07:54

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	U	12.2	12.7	60.8	63.3	1	75.0-125	J6	J6	3.93	20

L1714848-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1714848-02 03/14/24 08:06 • (MS) R4045420-8 03/14/24 08:19 • (MSD) R4045420-9 03/14/24 08:37

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	U	11.9	10.6	59.3	53.0	1	75.0-125	J6	J6	11.3	20

L1714848-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1714848-01 03/14/24 07:35 • (MS) R4045420-12 03/14/24 08:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	641	U	U	0.000	50	75.0-125	J6

L1714848-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1714848-02 03/14/24 08:06 • (MS) R4045420-13 03/14/24 08:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	654	U	U	0.000	50	75.0-125	J6

L1714526-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1714526-11 03/14/24 21:30 • (DUP) R4045875-2 03/14/24 21:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.70	7.69	1	0.130		1

Sample Narrative:

OS: 7.7 at 20.6C

DUP: 7.69 at 20.4C

L1714564-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1714564-01 03/14/24 21:30 • (DUP) R4045875-3 03/14/24 21:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.67	7.65	1	0.261		1

Sample Narrative:

OS: 7.67 at 20.7C

DUP: 7.65 at 20.3C

Laboratory Control Sample (LCS)

(LCS) R4045875-1 03/14/24 21:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10 at 20.1C

Method Blank (MB)

(MB) R4045842-1 03/14/24 19:30

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1714416-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1714416-13 03/14/24 19:30 • (DUP) R4045842-3 03/14/24 19:30

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	280	278	1	0.502		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1714431-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1714431-02 03/14/24 19:30 • (DUP) R4045842-4 03/14/24 19:30

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	494	495	1	0.202		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4045842-2 03/14/24 19:30

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	327	326	99.7	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4046556-1 03/17/24 12:53

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1715120-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1715120-02 03/17/24 12:53 • (DUP) R4046556-3 03/17/24 12:53

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	673	669	1	0.596		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1715121-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1715121-02 03/17/24 12:53 • (DUP) R4046556-4 03/17/24 12:53

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1030	1020	1	1.07		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4046556-2 03/17/24 12:53

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	327	334	102	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4047069-1 03/18/24 16:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Hot Water Sol. Boron	U		16.7	200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4047069-2 03/18/24 16:57 • (LCSD) R4047069-3 03/18/24 16:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Hot Water Sol. Boron	1000	1130	1130	113	113	80.0-120			0.390	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier 1.5 X
☐ Samples Pre-Logged into eCOC

State Of Origin: CO
Cert. Needed: ☐ Yes ☐ No

I035

Workorder: 10686159 **Workorder Name:** Gault-Platt Well 20-3

Owner Received Date: 3/12/2024 **Results Requested By:** 3/19/2024

Report To	Subcontract To
Yeng Ozawa Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

JGCU + JGFU

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						EC/SAR/pH/HWS Boron to PN	Hex Chrome VI to PN										L1714845 LAB USE ONLY
1	Well 20-3 S Wall @ 1'	PS	3/11/2024 08:35	10686159001	Solid	2						X	X										-01
2	Well 20-3 W Wall @ 1'	PS	3/11/2024 08:25	10686159002	Solid	2						X	X										-02
3	Well 20-3 N Wall @ 1'	PS	3/11/2024 08:10	10686159003	Solid	2						X	X										-03
4	Well 20-3 E Wall @ 1'	PS	3/11/2024 08:00	10686159004	Solid	2						X	X										-04
5	Well 20-3 Stockpile Pad East	PS	3/11/2024 08:45	10686159005	Solid	2						X	X										-05
6	Well 20-3 Stockpile Pad West	PS	3/11/2024 09:00	10686159006	Solid	2						X	X										-06

Transfers	Released By	Date/Time	Received By	Date/Time
1	Ben Coon/PACE	3/12/24 14:30	[signature] 03/13/24	0845
2				
3				

Comments

Please send JGCU and one JGFU to PN.

5-DAY RUSH

Cooler Temperature on Receipt 2.6+2=2.4 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information

1.5+0=1.5 DP A9

Sample Receipt Checklist total 12

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

64726 56426233

L7148481

INTER_LABORATORY WORK ORDER # 10686159

(To be completed by sending lab)

Ship To:
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Sending Project No:	10686159
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	03/12/24
REQUESTED COMPLETION DATE:	**3/19/2024**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Yeng Ozawa
Receiving Region	IR850-Pace National	External Client	Wellington Operating Company
State of Sample Origin	CO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units: Standard Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed: _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Hex Chrome VI to PN	JGFU	1	Unpreserved	6	SI-20MET	SUB PASI MET
EC/SAR/pH/HWS Boron to PN	JGCU	1	Unpreserved	6	SI-21WET	SUB PASI WET

Special Requirements: Report B, Standard Report (B),Colorado Oil & Gas Cons. Comm. (490)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.