



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

May 02, 2025

143 Diamond Ave
Parachute, CO 81635
970-285-2925

Project Manager : Andrew Verbonitz
Project Name : P2716C-27 Flowline Release
Project Number : P27 595

Attached are the analytical results for P2716C-27 Flowline Release P27 595 received by Elevation Diagnostics, Division of Environmental Testing on April 18, 2025. This is associated with Elevation's number AA21216 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing


Chain of Custody Form

Elevation Diagnostics


2115 North Scranton Street Suite 3040A Aurora, CO 80045
800.440.5184

Client: QB Energy Operating, LLC
 Address: 143 Diamond Avenue
 City/State/ZIP: Parachute/ Colorado/ 81635
 Phone: (970) 902-3598
 Project Contact: Andrew Verbonitz

Project Name/Number: P27 16C-27 Flowline Release
 Project Location: P27 595
 Collector Name: Alex Slorby

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative			Matrix			Analysis Requested						Interim report requested		
					HCl	HNO ₃	None	Other	Water	Soil	Other	Table 915-1 VOC's	TPH (ORO, GRO, DRO)	Table 915-1 Metal's	Table 915-1 PAHs	pH, EC, SAR	Boron(Hot Water Soluble Soil)	CR6IC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1	20250417-P27 595-(STOCK)	4/17/2025	1110	4			✓			✓		✓	✓	✓	✓	✓	✓		
2																			
3																			
4																			
5																			
6																			
7																			
8	 AA21216-1																		
9																			
10																			

HOLD FOR ANALYSIS

Relinquished By: <u>Alex Slorby</u> Date/Time: <u>4/17/2025 1630</u>	Relinquished By: Date/Time:	Relinquished By: Date/Time: <u>2025-04-18-005</u>	Scan to Deliver Samples 
Lab Use Only Observed Temperature Upon Receipt: <u>2.5°C</u> Corrected Temperature Upon Receipt: <u>3.8°C</u> Thermometer #: <u>EDX EQ 238</u> Correction Factor: <u>+1.3°C</u>	Samples Intact: <u>Yes</u> No pH Checked: Yes <u>No</u> pH Adjusted: Yes <u>No</u> PFAS rec'd on ice: Yes No <u>N/A</u> Name/Lot Number of Adjustment: <u>N/A</u>	Lot/EQM Number: <u>N/A</u>	

EFOR-008.005



Division of Environmental Testing

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Report Date : 5/2/2025

Report Time : 17:06

FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz **Project Name:** P2716C-27 Flowline Release **Project Number:** P27 595

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.	
Analyte Name		Analysis Start					Recovery	
AA21216-1	20250417-P27 595-STOCK	Collected : 04/17/2025	11:10					
EC & pH soil by saturated paste - EC, soil		04/28/2025	09:49	0.50	mmhos	0.0005	USDA 60/EPA 9045	
EC & pH soil by saturated paste - pH soil Temperature		04/28/2025	09:49	22.3	°C		USDA 60/EPA 9045	
EC & pH soil by saturated paste - pH, soil		04/28/2025	09:49	8.48	SU	0.01	USDA 60/EPA 9045	
SAR Saturated Paste - Calcium		05/01/2025	07:06	10.00	1.01	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		05/01/2025	07:06	10.00	0.97	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		05/01/2025	07:06	10.00	1.96	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		05/01/2025	07:06	10.00	1.97	No Unit		EPA 6020B
AA21216-2	20250417-P27 595-STOCK	Collected : 04/17/2025	11:10					
Hot Water Soluble Boron		04/25/2025	06:49	0.42	mg/kg	0.050	Boron Hot Water Extraction	
AA21216-3	20250417-P27 595-STOCK	Collected : 04/17/2025	11:10					
Chromium VI, Soil		04/28/2025	12:46	<0.08 - MS	mg/kg	0.080	EPA 7199	
Total Metals, Soils - Arsenic		04/28/2025	08:20	10.00	21.26	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		04/28/2025	08:20	100.00	2250.68 - MS	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		04/28/2025	08:20	10.00	0.48	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		04/28/2025	08:20	10.00	27.63	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		04/28/2025	08:20	10.00	12.35	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		04/28/2025	08:20	10.00	16.40	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		04/28/2025	08:20	10.00	4.43	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		04/28/2025	08:20	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		04/28/2025	08:20	10.00	67.42	mg/kg	0.025	EPA 6020B
AA21216-4	20250417-P27 595-STOCK	Collected : 04/17/2025	11:10					
DRO & ORO, Soil - DRO		04/29/2025	08:36	<100.00	mg/kg	100.00	EPA 8015D	
DRO & ORO, Soil - ORO		04/29/2025	08:36	148.64	mg/kg	100.00	EPA 8015D	
SVOC, Soils - 1-methylnaphthalene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	0.626	EPA 8270
SVOC, Soils - 2-methylnaphthalene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Acenaphthene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Anthracene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Benz(a)anthracene		04/24/2025	07:34	200.00	<2.00 - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Benzo(a)pyrene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Chrysene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Fluoranthene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Fluorene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
SVOC, Soils - Naphthalene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	0.612	EPA 8270
SVOC, Soils - Pyrene		04/24/2025	07:34	200.00	Not Detected - RL1	mg/kg	2.00	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		04/24/2025	11:29	<0.00245	mg/kg	0.00245	EPA 8260	
VOC, Soils - 1,3,5-trimethylbenzene		04/24/2025	11:29	0.014	mg/kg	0.005	EPA 8260	
VOC, Soils - Benzene		04/24/2025	11:29	Not Detected	mg/kg	0.00242	EPA 8260	
VOC, Soils - Ethylbenzene		04/24/2025	11:29	<0.005	mg/kg	0.005	EPA 8260	
VOC, Soils - Gasoline Range Organics		04/24/2025	11:29	0.358	mg/kg	0.268	EPA 8260	



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FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name	Analysis Start	Recovery					
VOC, Soils - m&p- xylene		04/24/2025 11:29		<0.00427	mg/kg	0.00427	EPA 8260
VOC, Soils - o-xylene		04/24/2025 11:29		<0.00227	mg/kg	0.00227	EPA 8260
VOC, Soils - Toluene		04/24/2025 11:29		<0.00263	mg/kg	0.00263	EPA 8260
VOC, Soils - Xylenes, total		04/24/2025 11:29		<0.00654	mg/kg	0.00654	EPA 8260



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Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-8228										
DUP	AA21216	0.43	0.050	mg/kg					2.3529	-15 - 15
DUP	AA21323	0.26	0.050	mg/kg					8.0000	-15 - 15
MB	AA21430	0.03		mg/kg						
LCS	AA21431	1.00		mg/kg	1.00		100	80 - 120		
LCS	AA21432	8.49		mg/kg	9.00		94.3	80 - 120		
CHROM_VI_SOIL-8287										
DUP	AA21216	<0.08	0.080	mg/kg						
MB	AA21659	Not Detected		mg/kg						
LCS	AA21661	0.40		mg/kg	0.40		100	80 - 120		
LCS	AA21662	0.40		mg/kg	0.40		100	80 - 120		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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DRO ORO SOIL-8258

AA21216

Dup	DRO	308.97				<100.00			7.04	- 30
Dup	ORO	453.27				148.64			<%MDL%	- 50
Matrix Spike	DRO	331.52		mg/kg	350	<100.00	94.7	70 - 130		
Matrix Spike	ORO	453.27		mg/kg	350	148.64	87.0	50 - 150		

AA21611

MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						

AA21612

LCS	DRO	347.33		mg/kg			99.2	70 - 130		
LCS	ORO	326.77		mg/kg			93.4	50 - 150		

AA21613

LCS	DRO	404.02		mg/kg			115	70 - 130		
LCS	ORO	377.06		mg/kg			108	50 - 150		

EC PH-8256

AA21195

Dup	EC, soil	0.35	0.0005	mmhos		0.35			<%MDL%	- 5
Dup	pH soil Temperature	21.6		°C		21.5				
Dup	pH, soil	8.16	0.01	SU		8.20			0.489	- 5

AA21606

LCS	EC, soil	9.75	0.0005	mmhos			97.4	85 - 115		
LCS	pH, soil	6.90	0.01	SU			101	85 - 115		

AA21607

LCS	EC, soil	9.88	0.0005	mmhos			98.7	85 - 115		
LCS	pH, soil	6.85	0.01	SU			99.9	85 - 115		

METALS S-8294

AA21216

Dup	Arsenic	20.70	0.025	mg/kg		21.26			2.67	0 - 15
Dup	Barium	2024.47	0.025	mg/kg		2250.68			10.6	0 - 15
Dup	Cadmium	0.47	0.001	mg/kg		0.48			2.11	0 - 15
Dup	Copper	27.19	0.025	mg/kg		27.63			1.61	0 - 15
Dup	Lead	12.10	0.025	mg/kg		12.35			2.04	0 - 15
Dup	Nickel	16.91	0.025	mg/kg		16.40			3.06	0 - 15
Dup	Selenium	4.82	0.025	mg/kg		4.43			8.43	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	67.56	0.025	mg/kg		67.42			0.207	0 - 15
Matrix Spike	Arsenic	39.95		mg/kg	20	21.26	93.4	80 - 120		
Matrix Spike	Barium	2055.97		mg/kg	200	2250.68	<%MDL%	80 - 120		
Matrix Spike	Cadmium	20.05		mg/kg	20	0.48	97.8	80 - 120		
Matrix Spike	Copper	45.61		mg/kg	20	27.63	89.9	80 - 120		
Matrix Spike	Lead	30.85		mg/kg	20	12.35	92.5	80 - 120		
Matrix Spike	Nickel	35.38		mg/kg	20	16.40	94.9	80 - 120		
Matrix Spike	Selenium	26.18		mg/kg	20	4.43	109	80 - 120		
Matrix Spike	Silver	17.41		mg/kg	20	<0.25	87.0	80 - 120		



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FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	85.96		mg/kg	20	67.42	92.7	80 - 120		
AA21714										
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						
AA21716										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.09		mg/kg			90.0	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA21717										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
SAR-8268										
AA21195										
Dup	Calcium	1.75		mEq/L	1.75	1.54			12.8	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.68		mEq/L	0.68	0.62			9.23	- 20
Dup	Sodium Adsorption Ratio	0.66		mEq/L	0.66	0.64			3.08	- 20
AA21313										
Dup	Calcium	15.10		mEq/L	1.77	15.37			1.77	- 20
Dup	Magnesium	3.72		mEq/L	1.86	3.79			1.86	- 20
Dup	Sodium	10.96		mEq/L	6.62	11.71			6.62	- 20
Dup	Sodium Adsorption Ratio	3.57		mEq/L	5.71	3.78			5.71	- 20
AA21628										
MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Sodium Adsorption Ratio	0.04								
AA21629										
LCS	Calcium	9.20		ppm			92.0	80 - 120		
LCS	Magnesium	8.63		ppm			86.3	80 - 120		
LCS	Sodium	8.21		ppm			82.1	80 - 120		
LCS	Sodium Adsorption Ratio	0.47		ppm			87.0	80 - 120		
AA21630										
LCS	Calcium	454.34		ppm			90.9	80 - 120		
LCS	Magnesium	425.13		ppm			85.0	80 - 120		
LCS	Sodium	434.00		ppm			86.8	80 - 120		
LCS	Sodium Adsorption Ratio	3.52		ppm			93.1	80 - 120		

SVOC SOIL-8234

AA21416

Dup	1-methylnaphthalene	0.241	0.010	mg/kg		<0.00313			3.38	-30
Dup	2-methylnaphthalene	0.245	0.010	mg/kg		<0.010			4.59	-30
Dup	Acenaphthene	0.260	0.010	mg/kg		<0.010			0.766	-30
Dup	Anthracene	0.318	0.010	mg/kg		Not Detected			<0.010	-30
Dup	Benz(a)anthracene	0.279	0.010	mg/kg		Not Detected			2.83	-30
Dup	Benzo(a)pyrene	0.279	0.010	mg/kg		Not Detected			1.44	-30
Dup	Benzo(b)fluoranthene	0.299	0.010	mg/kg		Not Detected			11.3	-30
Dup	Benzo(k)fluoranthene	0.260	0.010	mg/kg		Not Detected			1.90	-30
Dup	Chrysene	0.300	0.010	mg/kg		Not Detected			3.74	-30
Dup	Dibenz(a,h)anthracene	0.241	0.010	mg/kg		Not Detected			<0.010	-30
Dup	Fluoranthene	0.318	0.010	mg/kg		Not Detected			3.40	-30
Dup	Fluorene	0.323	0.010	mg/kg		Not Detected			0.617	-30
Dup	Indeno(1,2,3-cd)pyrene	0.237	0.010	mg/kg		Not Detected			1.27	-30
Dup	Naphthalene	0.276	0.010	mg/kg		Not Detected			3.69	-30
Dup	Pyrene	0.330	0.010	mg/kg		<0.010			2.40	-30
Matrix Spike	1-methylnaphthalene	0.233	0.010	mg/kg	0.300	<0.00313	77.7	70 - 130		
Matrix Spike	2-methylnaphthalene	0.234	0.010	mg/kg	0.300	<0.010	78.0	70 - 130		
Matrix Spike	Acenaphthene	0.262	0.010	mg/kg	0.300	<0.010	87.3	70 - 130		
Matrix Spike	Anthracene	0.318	0.010	mg/kg	0.300	Not Detected	106	70 - 130		
Matrix Spike	Benz(a)anthracene	0.287	0.010	mg/kg	0.300	Not Detected	95.7	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.275	0.010	mg/kg	0.300	Not Detected	91.7	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.267	0.010	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Chrysene	0.289	0.010	mg/kg	0.300	Not Detected	96.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.241	0.010	mg/kg	0.300	Not Detected	80.3	70 - 130		
Matrix Spike	Fluoranthene	0.329	0.010	mg/kg	0.300	Not Detected	110	70 - 130		
Matrix Spike	Fluorene	0.325	0.010	mg/kg	0.300	Not Detected	108	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.234	0.010	mg/kg	0.300	Not Detected	78.0	70 - 130		
Matrix Spike	Naphthalene	0.266	0.010	mg/kg	0.300	Not Detected	88.7	70 - 130		
Matrix Spike	Pyrene	0.338	0.010	mg/kg	0.300	<0.010	113	70 - 130		

AA21485

MB	1-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						



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FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Acenaphthene	Not Detected	0.010	mg/kg						
MB	Anthracene	Not Detected	0.010	mg/kg						
MB	Benz(a)anthracene	Not Detected	0.010	mg/kg						
MB	Benzo(a)pyrene	Not Detected	0.010	mg/kg						
MB	Benzo(b)fluoranthene	Not Detected	0.010	mg/kg						
MB	Benzo(k)fluoranthene	Not Detected	0.010	mg/kg						
MB	Chrysene	Not Detected	0.010	mg/kg						
MB	Dibenz(a,h)anthracene	Not Detected	0.010	mg/kg						
MB	Fluoranthene	Not Detected	0.010	mg/kg						
MB	Fluorene	Not Detected	0.010	mg/kg						
MB	Indeno(1,2,3-cd)pyrene	Not Detected	0.010	mg/kg						
MB	Naphthalene	Not Detected	0.010	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						

AA21486

LCS	1-methylnaphthalene	0.244	0.010	mg/kg			81.3	70 - 130		
LCS	2-methylnaphthalene	0.235	0.010	mg/kg			78.3	70 - 130		
LCS	Acenaphthene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Anthracene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	Benz(a)anthracene	0.249	0.010	mg/kg			83.0	70 - 130		
LCS	Benzo(a)pyrene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Benzo(b)fluoranthene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.277	0.010	mg/kg			92.3	70 - 130		
LCS	Chrysene	0.246	0.010	mg/kg			82.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Fluoranthene	0.297	0.010	mg/kg			99.0	70 - 130		
LCS	Fluorene	0.317	0.010	mg/kg			106	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.254	0.010	mg/kg			84.7	70 - 130		
LCS	Naphthalene	0.274	0.010	mg/kg			91.3	70 - 130		
LCS	Pyrene	0.301	0.010	mg/kg			100	70 - 130		

AA21487

LCS	1-methylnaphthalene	0.243	0.010	mg/kg			81.0	70 - 130		
LCS	2-methylnaphthalene	0.237	0.010	mg/kg			79.0	70 - 130		
LCS	Acenaphthene	0.272	0.010	mg/kg			90.7	70 - 130		
LCS	Anthracene	0.293	0.010	mg/kg			97.7	70 - 130		
LCS	Benz(a)anthracene	0.256	0.010	mg/kg			85.3	70 - 130		
LCS	Benzo(a)pyrene	0.265	0.010	mg/kg			88.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.287	0.010	mg/kg			95.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.302	0.010	mg/kg			101	70 - 130		
LCS	Chrysene	0.261	0.010	mg/kg			87.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.264	0.010	mg/kg			88.0	70 - 130		
LCS	Fluoranthene	0.322	0.010	mg/kg			107	70 - 130		
LCS	Fluorene	0.324	0.010	mg/kg			108	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.269	0.010	mg/kg			89.7	70 - 130		
LCS	Naphthalene	0.296	0.010	mg/kg			98.7	70 - 130		
LCS	Pyrene	0.327	0.010	mg/kg			109	70 - 130		

VOC S-8232



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 5/2/2025

Report Time : 17:06

FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
AA21416										
Dup	1,2,4-trimethylbenzene	0.018		mg/kg		<0.00245			5.71	- 30
Dup	1,3,5-trimethylbenzene	0.022		mg/kg		<0.005			4.65	- 30
Dup	Benzene	0.037		mg/kg		<0.00242			<%MDL%	- 30
Dup	Ethylbenzene	0.030		mg/kg		<0.005			3.39	- 30
Dup	Gasoline Range Organics	415		mg/kg		<0.268			2.94	
Dup	m&p- xylene	0.056		mg/kg		<0.00427			5.50	- 30
Dup	o-xylene	0.026		mg/kg		Not Detected			3.92	- 30
Dup	Toluene	0.034		mg/kg		<0.00263			2.99	- 30
Dup	Xylenes, total	0.082		mg/kg		<0.00654			5.00	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.017		mg/kg	0.050	<0.00245	34.0	70 - 130		
Matrix Spike	1,2-Dibromoethane	0.035		mg/kg						
Matrix Spike	1,2-Dichloroethane	0.040		mg/kg						
Matrix Spike	1,3,5-trimethylbenzene	0.021		mg/kg	0.050	<0.005	42.0	70 - 130		
Matrix Spike	Benzene	0.037		mg/kg	0.050	<0.00242	74.0	70 - 130		
Matrix Spike	Ethylbenzene	0.029		mg/kg	0.050	<0.005	58.0	70 - 130		
Matrix Spike	Gasoline Range Organics	374		mg/kg	2.540	<0.268	54.1			
Matrix Spike	m&p- xylene	0.053		mg/kg	0.100	<0.00427	53.0	70 - 130		
Matrix Spike	Naphthalene	0.016		mg/kg	0.050	Not Detected				
Matrix Spike	o-xylene	0.025		mg/kg	0.050	Not Detected	50.0	70 - 130		
Matrix Spike	Toluene	0.033		mg/kg	0.050	<0.00263	66.0	70 - 130		
Matrix Spike	Xylenes, total	0.078		mg/kg	0.150	<0.00654	52.0	70 - 130		
AA21473										
MB	1,2,4-trimethylbenzene	<0.00245		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	<0.005		mg/kg						
MB	Gasoline Range Organics	0.268		mg/kg						
MB	m&p- xylene	<0.00427		mg/kg						
MB	Naphthalene	<0.00507		mg/kg						
MB	o-xylene	<0.00227		mg/kg						
MB	Toluene	<0.00263		mg/kg						
MB	Xylenes, total	<0.00654		mg/kg						
AA21474										
LCS	1,2,4-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,2-Dibromoethane	0.043		mg/kg			86.0	70 - 130		
LCS	1,2-Dichloroethane	0.047		mg/kg			94.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.047		mg/kg			94.0	70 - 130		
LCS	Benzene	0.043		mg/kg			86.0	70 - 130		
LCS	Ethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	Gasoline Range Organics	973		mg/kg			77.7			
LCS	m&p- xylene	0.084		mg/kg			84.0	70 - 130		
LCS	Naphthalene	0.036		mg/kg			72.0	70 - 130		
LCS	o-xylene	0.041		mg/kg			82.0	70 - 130		



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Report Date : 5/2/2025

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FINAL RESULTS REPORT

Project Manager: Andrew Verbonitz

Project Name: P2716C-27 Flowline Release

Project Number: P27 595

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Toluene	0.042		mg/kg			84.0	70 - 130		
LCS	Xylenes, total	0.126		mg/kg			84.0	70 - 130		

AA21475

LCS	1,2,4-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	1,2-Dibromoethane	0.041		mg/kg			82.0	70 - 130		
LCS	1,2-Dichloroethane	0.043		mg/kg			86.0	70 - 130		
LCS	1,3,5-trimethylbenzene	0.046		mg/kg			92.0	70 - 130		
LCS	Benzene	0.041		mg/kg			82.0	70 - 130		
LCS	Ethylbenzene	0.040		mg/kg			80.0	70 - 130		
LCS	Gasoline Range Organics	912		mg/kg			75.3			
LCS	m&p- xylene	0.080		mg/kg			80.0	70 - 130		
LCS	Naphthalene	0.041		mg/kg			82.0	70 - 130		
LCS	o-xylene	0.040		mg/kg			80.0	70 - 130		
LCS	Toluene	0.040		mg/kg			80.0	70 - 130		
LCS	Xylenes, total	0.120		mg/kg			80.0	70 - 130		

Qualifier

Explanation

- H1 Sample received outside of regulatory holding time.
- H2 Sample analyzed outside of regulatory holding time due to a laboratory error.
- P1 Sample received outside temperature requirements, 0-6°C.
- P2 Sample received unpreserved.
- P3 Broken or leaking sample container.
- P4 Sample improperly collected
- P5 Sample incorrectly preserved
- B1 Blank failed high, indicating possible high bias in sample results.
- B2 Blank failed low, indicating possible low bias in sample results.
- MS Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
- D1 Duplicate RPD limit exceeded due to low sample concentration.
- D2 Duplicate RPD limit exceeded due to matrix interference.
- S Surrogate recovery failed, indicating potential matrix interference.
- RL1 Reporting limits raised due to matrix interference.
- RL2 Reporting limits raised due to limited sample.
- U Sample result less than method detection limit.
- J Sample result less than reporting limit but higher than method detection limit.
- E Electronic loss or corruption of data.
- I Subcontracted sample