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 :	P27 16C-27 Flowline Release
Project Number :	P27 595

Attached are the analytical results for P27 16C-27 Flowline Release P27 595 received by Elevation Diagnostics, Division of Environmental Testing on April 18, 2025. This is associated with Elevation's number AA21217 .

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: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other	Matrix: Water	Matrix: Soil	Matrix: 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	
1	20250417-P27 595-(POR)@5.5	4/17/2025	1115	4			✓			✓		✓	✓	✓	✓	✓	✓	✓	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Interim report requested: ☐ Yes ☑ No

Notes

AA21217-1

Relinquished By: Alex Slorby
Date/Time: 4/17/2025 1630

Relinquished By:
Date/Time:

Relinquished By:
Date/Time: 2025-04-18-006

Scan to Deliver Samples

Lab Use Only

Observed Temperature Upon Receipt: 2.5°C
Corrected Temperature Upon Receipt: 3.8°C
Thermometer #: EDX EQ 238
Correction Factor: +1.3°C

Samples Intact: Yes No
pH Checked: Yes No
pH Adjusted: Yes No
PFAS rec'd on ice: Yes No N/A

Lot/EQM Number: N/A

Name/Lot Number of Adjustment: N/A

EFOR-008.005

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FINAL RESULTS REPORT

Report Date : 5/2/2025
Report Time : 17:14

Project Manager: Andrew Verbonitz **Project Name:** P27 16C-27 Flowline Release **Project Number:** P27 595

Sample ID / Analyte Name	Customer ID / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
AA21217-1	20250417-P27 595-POR@5.5	**Collected :** 04/17/2025	11:15				
EC & pH soil by saturated paste - EC, soil	04/28/2025	09:49		0.72	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		8.15	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium	05/01/2025	07:06	10.00	3.49	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium	05/01/2025	07:06	10.00	2.39	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium	05/01/2025	07:06	10.00	1.19	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio	05/01/2025	07:06	10.00	0.70	No Unit		EPA 6020B
AA21217-2	20250417-P27 595-POR@5.5	**Collected :** 04/17/2025	11:15				
Chromium VI, Soil	04/25/2025	17:38		<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron	04/25/2025	17:51		0.21	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic	04/24/2025	07:38	10.00	22.35	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium	04/24/2025	07:38	100.00	2062.97	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium	04/24/2025	07:38	10.00	0.56	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper	04/24/2025	07:38	10.00	32.63	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead	04/24/2025	07:38	10.00	15.32	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel	04/24/2025	07:38	10.00	17.39	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium	04/24/2025	07:38	10.00	5.41	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver	04/24/2025	07:38	10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc	04/24/2025	07:38	10.00	79.56	mg/kg	0.025	EPA 6020B
AA21217-3	20250417-P27 595-POR@5.5	**Collected :** 04/17/2025	11:15				
SVOC, Soils - 1-methylnaphthalene	04/23/2025	07:44	10.00	0.161	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene	04/23/2025	07:44	10.00	0.514	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Anthracene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Benz(a)anthracene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Benzo(a)pyrene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Chrysene	04/23/2025	07:44	10.00	<0.10 - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Fluoranthene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Fluorene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
SVOC, Soils - Naphthalene	04/23/2025	07:44	10.00	0.290	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene	04/23/2025	07:44	10.00	Not Detected - RL1	mg/kg	0.10	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene	04/23/2025	19:35		0.15	mg/kg	0.00245	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene	04/23/2025	19:35	25.00	0.36	mg/kg	0.005	EPA 8260
VOC, Soils - Benzene	04/23/2025	19:35		0.15	mg/kg	0.00242	EPA 8260
VOC, Soils - Ethylbenzene	04/23/2025	19:35		0.025	mg/kg	0.005	EPA 8260
VOC, Soils - Gasoline Range Organics	04/23/2025	19:35		6.60	mg/kg	0.268	EPA 8260
VOC, Soils - m&p- xylene	04/23/2025	19:35	25.00	0.74	mg/kg	0.00427	EPA 8260
VOC, Soils - o-xylene	04/23/2025	19:35		0.12	mg/kg	0.00227	EPA 8260
VOC, Soils - Toluene	04/23/2025	19:35	25.00	0.41	mg/kg	0.00263	EPA 8260

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Project Manager: Andrew Verbonitz **Project Name:** P27 16C-27 Flowline Release **Project Number:** P27 595

Sample ID / Analyte Name	Customer ID	Collected / Analysis Start		Dilution	Result	Units	MDL	Method Ref. / Recovery
VOC, Soils - Xylenes, total		04/23/2025	19:35	25.00	0.86	mg/kg	0.00654	EPA 8260
AA21217-4	20250417-P27 595-POR@5.5	**Collected :** 04/17/2025	11:15					
DRO & ORO, Soil - DRO		04/29/2025	08:49		<100.00	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		04/29/2025	08:49		150.30	mg/kg	100.00	EPA 8015D

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Project Manager: Andrew Verbonitz **Project Name:** P27 16C-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-8159										
DUP	AA21217	0.22	0.050	mg/kg					4.6512	-15 - 15
MB	AA21250	0.03		mg/kg						
LCS	AA21251	1.00		mg/kg	1.00		100	80 - 120		
LCS	AA21252	7.95		mg/kg	9.00		88.3	80 - 120		
CHROM_VI_SOIL-8189										
DUP	AA21182	<0.08	0.080	mg/kg						
MB	AA21306	0.02		mg/kg						
LCS	AA21308	0.039		mg/kg	0.04		97.5	90 - 110		
LCS	AA21309	0.04		mg/kg	0.04		100	90 - 110		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
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-8194										
AA21196										
Dup	Arsenic	5.88	0.025	mg/kg		6.03			2.52	0 - 15
Dup	Barium	199.57	0.025	mg/kg		194.05			2.80	0 - 15
Dup	Cadmium	0.20	0.001	mg/kg		0.19			5.13	0 - 15
Dup	Copper	14.38	0.025	mg/kg		14.64			1.79	0 - 15
Dup	Lead	8.89	0.025	mg/kg		8.38			5.91	0 - 15
Dup	Nickel	10.24	0.025	mg/kg		10.80			5.32	0 - 15
Dup	Selenium	5.26	0.025	mg/kg		5.08			3.48	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	50.73	0.025	mg/kg		48.45			4.60	0 - 15
Matrix Spike	Arsenic	29.81		mg/kg	20	6.03	119	80 - 120		
Matrix Spike	Barium	1966.60		mg/kg	20	194.05	8860	80 - 120		
Matrix Spike	Cadmium	23.56		mg/kg	20	0.19	117	80 - 120		
Matrix Spike	Copper	35.67		mg/kg	20	14.64	105	80 - 120		
Matrix Spike	Lead	30.38		mg/kg	20	8.38	110	80 - 120		
Matrix Spike	Nickel	30.09		mg/kg	20	10.80	96.4	80 - 120		
Matrix Spike	Selenium	29.05		mg/kg	20	5.08	120	80 - 120		
Matrix Spike	Silver	18.14		mg/kg	20	<0.25	90.7	80 - 120		

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	71.75		mg/kg	20	48.45	116	80 - 120		
AA21344										
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						
AA21346										
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	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA21347										
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	12.8	1.54			12.8	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.68		mEq/L	9.23	0.62			9.23	- 20
Dup	Sodium Adsorption Ratio	0.66		mEq/L	3.08	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 Adsoprtion 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-8202										
AA21181										
Dup	1-methylnaphthalene	0.282	0.010	mg/kg		0.0037			3.98	- 30
Dup	2-methylnaphthalene	0.288	0.010	mg/kg		<0.010			8.32	- 30
Dup	Acenaphthene	0.216	0.010	mg/kg		Not Detected			2.34	- 30
Dup	Anthracene	0.240	0.010	mg/kg		Not Detected			2.47	- 30
Dup	Benz(a)anthracene	0.275	0.010	mg/kg		Not Detected			1.80	- 30
Dup	Benzo(a)pyrene	0.199	0.010	mg/kg		Not Detected			1.00	- 30
Dup	Benzo(b)fluoranthene	0.171	0.010	mg/kg		Not Detected			14.6	- 30
Dup	Benzo(k)fluoranthene	0.192	0.010	mg/kg		Not Detected			3.58	- 30
Dup	Chrysene	0.264	0.010	mg/kg		Not Detected			2.62	- 30
Dup	Dibenz(a,h)anthracene	0.180	0.010	mg/kg		Not Detected			1.10	- 30
Dup	Fluoranthene	0.214	0.010	mg/kg		Not Detected			4.12	- 30
Dup	Fluorene	0.261	0.010	mg/kg		Not Detected			1.93	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.174	0.010	mg/kg		<0.010			1.71	- 30
Dup	Naphthalene	0.232	0.010	mg/kg		<0.00306			5.04	- 30
Dup	Pyrene	0.220	0.010	mg/kg		<0.010			5.31	- 30
Matrix Spike	1-methylnaphthalene	0.271	0.010	mg/kg	0.300	0.0037	89.1	70 - 130		
Matrix Spike	2-methylnaphthalene	0.265	0.010	mg/kg	0.300	<0.010	88.3	70 - 130		
Matrix Spike	Acenaphthene	0.211	0.010	mg/kg	0.300	Not Detected	70.3	70 - 130		
Matrix Spike	Anthracene	0.246	0.010	mg/kg	0.300	Not Detected	82.0	70 - 130		
Matrix Spike	Benz(a)anthracene	0.280	0.010	mg/kg	0.300	Not Detected	93.3	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.201	0.010	mg/kg	0.300	Not Detected	67.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.198	0.010	mg/kg	0.300	Not Detected	66.0	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.199	0.010	mg/kg	0.300	Not Detected	66.3	70 - 130		
Matrix Spike	Chrysene	0.271	0.010	mg/kg	0.300	Not Detected	90.3	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.182	0.010	mg/kg	0.300	Not Detected	60.7	70 - 130		
Matrix Spike	Fluoranthene	0.223	0.010	mg/kg	0.300	Not Detected	74.3	70 - 130		
Matrix Spike	Fluorene	0.256	0.010	mg/kg	0.300	Not Detected	85.3	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.177	0.010	mg/kg	0.300	<0.010	59.0	70 - 130		
Matrix Spike	Naphthalene	0.244	0.010	mg/kg	0.300	<0.00306	81.3	70 - 130		
Matrix Spike	Pyrene	0.232	0.010	mg/kg	0.300	<0.010	77.3	70 - 130		
AA21389										
MB	1-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	2-methylnaphthalene	<0.010	0.010	mg/kg						

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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	<0.010	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	<0.010	0.010	mg/kg						
AA21390										
LCS	1-methylnaphthalene	0.343	0.010	mg/kg			114	70 - 130		
LCS	2-methylnaphthalene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Acenaphthene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Anthracene	0.274	0.010	mg/kg			91.3	70 - 130		
LCS	Benz(a)anthracene	0.327	0.010	mg/kg			109	70 - 130		
LCS	Benzo(a)pyrene	0.216	0.010	mg/kg			72.0	70 - 130		
LCS	Benzo(b)fluoranthene	0.210	0.010	mg/kg			70.0	70 - 130		
LCS	Benzo(k)fluoranthene	0.230	0.010	mg/kg			76.7	70 - 130		
LCS	Chrysene	0.319	0.010	mg/kg			106	70 - 130		
LCS	Dibenz(a,h)anthracene	0.217	0.010	mg/kg			72.3	70 - 130		
LCS	Fluoranthene	0.231	0.010	mg/kg			77.0	70 - 130		
LCS	Fluorene	0.282	0.010	mg/kg			94.0	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.220	0.010	mg/kg			73.3	70 - 130		
LCS	Naphthalene	0.265	0.010	mg/kg			88.3	70 - 130		
LCS	Pyrene	0.244	0.010	mg/kg			81.3	70 - 130		
AA21391										
LCS	1-methylnaphthalene	0.308	0.010	mg/kg			103	70 - 130		
LCS	2-methylnaphthalene	0.336	0.010	mg/kg			112	70 - 130		
LCS	Acenaphthene	0.224	0.010	mg/kg			74.7	70 - 130		
LCS	Anthracene	0.251	0.010	mg/kg			83.7	70 - 130		
LCS	Benz(a)anthracene	0.299	0.010	mg/kg			99.7	70 - 130		
LCS	Benzo(a)pyrene	0.215	0.010	mg/kg			71.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.212	0.010	mg/kg			70.7	70 - 130		
LCS	Benzo(k)fluoranthene	0.214	0.010	mg/kg			71.3	70 - 130		
LCS	Chrysene	0.293	0.010	mg/kg			97.7	70 - 130		
LCS	Dibenz(a,h)anthracene	0.217	0.010	mg/kg			72.3	70 - 130		
LCS	Fluoranthene	0.225	0.010	mg/kg			75.0	70 - 130		
LCS	Fluorene	0.267	0.010	mg/kg			89.0	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.220	0.010	mg/kg			73.3	70 - 130		
LCS	Naphthalene	0.234	0.010	mg/kg			78.0	70 - 130		
LCS	Pyrene	0.232	0.010	mg/kg			77.3	70 - 130		
VOC_S-8169										

Division of Environmental Testing
2115 N Scranton St Suite 3040A
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800-440-5184

FINAL RESULTS REPORT

Report Date : 5/2/2025
Report Time : 17:14

Project Manager: Andrew Verbonitz **Project Name:** P27 16C-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
AA20897										
Dup	1,2,4-trimethylbenzene	0.064		mg/kg		<0.0025			6.45	- 30
Dup	1,3,5-trimethylbenzene	0.062		mg/kg		<0.0050			4.96	- 30
Dup	Benzene	0.069		mg/kg		Not Detected			1.44	- 30
Dup	Ethylbenzene	0.067		mg/kg		<0.0050			4.58	- 30
Dup	Gasoline Range Organics	8.95		mg/kg		Not Detected			1.02	
Dup	m&p- xylene	0.112		mg/kg		<0.0043			2.71	- 30
Dup	o-xylene	0.066		mg/kg		<0.0023			4.65	- 30
Dup	Toluene	0.062		mg/kg		<0.0026			1.63	- 30
Dup	Xylenes, total	0.178		mg/kg		<0.0065			3.43	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.060		mg/kg	0.050	<0.0025	120	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.059		mg/kg	0.050	<0.0050	118	70 - 130		
Matrix Spike	Benzene	0.070		mg/kg	0.050	Not Detected	140	70 - 130		
Matrix Spike	Ethylbenzene	0.064		mg/kg	0.050	<0.0050	128	70 - 130		
Matrix Spike	Gasoline Range Organics	8.92		mg/kg	2.54	Not Detected	115			
Matrix Spike	m&p- xylene	0.109		mg/kg	0.100	<0.0043	109	70 - 130		
Matrix Spike	o-xylene	0.063		mg/kg	0.050	<0.0023	126	70 - 130		
Matrix Spike	Toluene	0.061		mg/kg	0.050	<0.0026	122	70 - 130		
Matrix Spike	Xylenes, total	0.172		mg/kg	0.150	<0.0065	115	70 - 130		
AA21278										
MB	1,2,4-trimethylbenzene	<0.0025		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0050		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	<0.27		mg/kg						
MB	m&p- xylene	<0.0043		mg/kg						
MB	Naphthalene	<0.0051		mg/kg						
MB	o-xylene	<0.0023		mg/kg						
MB	Toluene	<0.0026		mg/kg						
MB	Xylenes, total	<0.0065		mg/kg						
AA21279										
LCS	1,2,4-trimethylbenzene	0.060		mg/kg			120	70 - 130		
LCS	1,2-Dibromoethane	0.051		mg/kg			102	70 - 130		
LCS	1,2-Dichloroethane	0.061		mg/kg			122	70 - 130		
LCS	1,3,5-trimethylbenzene	0.056		mg/kg			112	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.061		mg/kg			122	70 - 130		
LCS	Gasoline Range Organics	8.928		mg/kg			115			
LCS	m&p- xylene	0.103		mg/kg			103	70 - 130		
LCS	Naphthalene	0.060		mg/kg			120	70 - 130		
LCS	o-xylene	0.062		mg/kg			124	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.165		mg/kg			110	70 - 130		
AA21280										

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FINAL RESULTS REPORT

Report Date : 5/2/2025
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Project Manager: Andrew Verbonitz **Project Name:** P27 16C-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	1,2,4-trimethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	1,2-Dibromoethane	0.047		mg/kg			94.0	70 - 130		
LCS	1,2-Dichloroethane	0.057		mg/kg			114	70 - 130		
LCS	1,3,5-trimethylbenzene	0.049		mg/kg			98.0	70 - 130		
LCS	Benzene	0.062		mg/kg			124	70 - 130		
LCS	Ethylbenzene	0.059		mg/kg			118	70 - 130		
LCS	Gasoline Range Organics	2.514		mg/kg			99.0			
LCS	m&p- xylene	0.095		mg/kg			95.0	70 - 130		
LCS	Naphthalene	0.043		mg/kg			86.0	70 - 130		
LCS	o-xylene	0.058		mg/kg			116	70 - 130		
LCS	Toluene	0.056		mg/kg			112	70 - 130		
LCS	Xylenes, total	0.153		mg/kg			102	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