



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Wednesday, March 6, 2024

John Renda

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

RE: A3L1311 - Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon - 000029-02.84 T-01.001E

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A3L1311, which was received by the laboratory on 12/15/2023 at 8:23:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [dthomas@apex-labs.com](mailto:dthomas@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information			
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>			
(See Cooler Receipt Form for details)			
Cooler #1	4.8	degC	Cooler #2 3.1 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

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Darwin Thomas, Business Development Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
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503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS-121423-13	A3L1311-01	WG	12/14/23 09:55	12/15/23 08:23
GS-121423-14	A3L1311-02	WG	12/14/23 10:15	12/15/23 08:23
GS-121423-15	A3L1311-03	WG	12/14/23 11:30	12/15/23 08:23
GS-121423-16	A3L1311-04	WG	12/14/23 12:20	12/15/23 08:23
GS-121423-17	A3L1311-05	WG	12/14/23 13:45	12/15/23 08:23
GS-121423-18	A3L1311-06	WG	12/14/23 15:05	12/15/23 08:23
TB-121423	A3L1311-07	W	12/14/23 15:45	12/15/23 08:23

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Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01)		Matrix: WG			Batch: 23L0980			
Diesel	1780	96.2	192	ug/L	1	12/28/23 20:38	NWTPH-Dx	F-13
Oil	ND	192	385	ug/L	1	12/28/23 20:38	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	1	12/28/23 20:38	NWTPH-Dx	
GS-121423-14 (A3L1311-02)		Matrix: WG			Batch: 23L0980			
Diesel	164	98.0	196	ug/L	1	12/28/23 21:18	NWTPH-Dx	J
Oil	ND	196	392	ug/L	1	12/28/23 21:18	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 84 %		Limits: 50-150 %	1	12/28/23 21:18	NWTPH-Dx	
GS-121423-15 (A3L1311-03)		Matrix: WG			Batch: 23L0980			
Diesel	786	96.2	192	ug/L	1	12/28/23 21:38	NWTPH-Dx	F-13
Oil	ND	192	385	ug/L	1	12/28/23 21:38	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %	1	12/28/23 21:38	NWTPH-Dx	
GS-121423-16 (A3L1311-04)		Matrix: WG			Batch: 23L0980			
Diesel	167	99.0	198	ug/L	1	12/28/23 22:19	NWTPH-Dx	J
Oil	ND	198	396	ug/L	1	12/28/23 22:19	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %	1	12/28/23 22:19	NWTPH-Dx	
GS-121423-17 (A3L1311-05)		Matrix: WG			Batch: 23L0980			
Diesel	ND	102	204	ug/L	1	12/28/23 22:59	NWTPH-Dx	
Oil	ND	204	408	ug/L	1	12/28/23 22:59	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 92 %		Limits: 50-150 %	1	12/28/23 22:59	NWTPH-Dx	
GS-121423-18 (A3L1311-06)		Matrix: WG			Batch: 23L0980			
Diesel	8940	96.2	192	ug/L	1	12/29/23 00:41	NWTPH-Dx	F-13
Oil	ND	192	385	ug/L	1	12/29/23 00:41	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 86 %		Limits: 50-150 %	1	12/29/23 00:41	NWTPH-Dx	

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

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A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01RE1)		Matrix: WG			Batch: 23L1017			
Gasoline Range Organics	420	50.0	100	ug/L	1	12/27/23 19:49	NWTPH-Gx (MS)	F-03
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	1	12/27/23 19:49	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		108 %	50-150 %	1	12/27/23 19:49	NWTPH-Gx (MS)		
GS-121423-14 (A3L1311-02)		Matrix: WG			Batch: 23L0909			
Gasoline Range Organics	ND	50.0	100	ug/L	1	12/23/23 07:32	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 88 %	Limits: 50-150 %	1	12/23/23 07:32	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		110 %	50-150 %	1	12/23/23 07:32	NWTPH-Gx (MS)		
GS-121423-15 (A3L1311-03RE1)		Matrix: WG			Batch: 23L1017			
Gasoline Range Organics	62.6	50.0	100	ug/L	1	12/27/23 20:57	NWTPH-Gx (MS)	J
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 96 %	Limits: 50-150 %	1	12/27/23 20:57	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		111 %	50-150 %	1	12/27/23 20:57	NWTPH-Gx (MS)		
GS-121423-16 (A3L1311-04RE1)		Matrix: WG			Batch: 23L1017			
Gasoline Range Organics	ND	50.0	100	ug/L	1	12/27/23 22:05	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 89 %	Limits: 50-150 %	1	12/27/23 22:05	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		112 %	50-150 %	1	12/27/23 22:05	NWTPH-Gx (MS)		
GS-121423-17 (A3L1311-05)		Matrix: WG			Batch: 23L0909			
Gasoline Range Organics	ND	50.0	100	ug/L	1	12/23/23 07:54	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 86 %	Limits: 50-150 %	1	12/23/23 07:54	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		110 %	50-150 %	1	12/23/23 07:54	NWTPH-Gx (MS)		
GS-121423-18 (A3L1311-06)		Matrix: WG			Batch: 23L0909			
Gasoline Range Organics	16200	2500	5000	ug/L	50	12/23/23 10:54	NWTPH-Gx (MS)	F-12
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 93 %	Limits: 50-150 %	1	12/23/23 10:54	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		105 %	50-150 %	1	12/23/23 10:54	NWTPH-Gx (MS)		

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Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**

Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-13 (A3L1311-01RE1)</b>		<b>Matrix: WG</b>		<b>Batch: 23L1017</b>				
Acetone	ND	10.0	20.0	ug/L	1	12/27/23 19:49	EPA 8260D	
Acrylonitrile	ND	2.00	2.00	ug/L	1	12/27/23 19:49	EPA 8260D	
<b>Benzene</b>	<b>1.05</b>	0.100	0.200	ug/L	1	12/27/23 19:49	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/27/23 19:49	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/27/23 19:49	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/27/23 19:49	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/27/23 19:49	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	

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Project Manager: John Renda

Report ID:

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## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01RE1)		Matrix: WG			Batch: 23L1017			
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Ethylbenzene	0.660	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/27/23 19:49	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/27/23 19:49	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/27/23 19:49	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	12/27/23 19:49	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
n-Propylbenzene	0.290	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	J
Styrene	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
Toluene	0.600	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	J
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/27/23 19:49	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/27/23 19:49	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,2,4-Trimethylbenzene	3.08	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
1,3,5-Trimethylbenzene	1.19	0.500	1.00	ug/L	1	12/27/23 19:49	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/27/23 19:49	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 108 %		Limits: 80-120 %	1	12/27/23 19:49	EPA 8260D	
Toluene-d8 (Surr)		100 %		80-120 %	1	12/27/23 19:49	EPA 8260D	
4-Bromofluorobenzene (Surr)		86 %		80-120 %	1	12/27/23 19:49	EPA 8260D	

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## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-13 (A3L1311-01RE2)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1060</b>			
Naphthalene	24.5	2.50	5.00	ug/L	1	12/28/23 16:14	EPA 8260D	
m,p-Xylene	1.43	0.500	1.00	ug/L	1	12/28/23 16:14	EPA 8260D	
o-Xylene	1.24	0.250	0.500	ug/L	1	12/28/23 16:14	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 98 %		Limits: 80-120 %	1	12/28/23 16:14	EPA 8260D	
Toluene-d8 (Surr)		95 %		80-120 %	1	12/28/23 16:14	EPA 8260D	
4-Bromofluorobenzene (Surr)		99 %		80-120 %	1	12/28/23 16:14	EPA 8260D	
<b>GS-121423-14 (A3L1311-02)</b>		<b>Matrix: WG</b>			<b>Batch: 23L0909</b>			
Acetone	ND	10.0	20.0	ug/L	1	12/23/23 07:32	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	12/23/23 07:32	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/23/23 07:32	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/23/23 07:32	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Anchor QEA, LLC**

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-14 (A3L1311-02)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0909</b>		
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/23/23 07:32	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/23/23 07:32	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	12/23/23 07:32	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Naphthalene	ND	5.00	5.00	ug/L	1	12/23/23 07:32	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2,4-Trichlorobenzene	ND	2.00	2.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-14 (A3L1311-02)</b>		<b>Matrix: WG</b>			<b>Batch: 23L0909</b>			
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/23/23 07:32	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/23/23 07:32	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/23/23 07:32	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/23/23 07:32	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>12/23/23 07:32</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>	<i>1</i>	<i>12/23/23 07:32</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>92 %</i>		<i>80-120 %</i>	<i>1</i>	<i>12/23/23 07:32</i>	<i>EPA 8260D</i>	
<b>GS-121423-15 (A3L1311-03RE1)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1017</b>			
Acetone	ND	10.0	20.0	ug/L	1	12/27/23 20:57	EPA 8260D	
Acrylonitrile	ND	2.00	2.00	ug/L	1	12/27/23 20:57	EPA 8260D	
<b>Benzene</b>	<b>0.130</b>	0.100	0.200	ug/L	1	12/27/23 20:57	EPA 8260D	<b>J</b>
Bromobenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/27/23 20:57	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/27/23 20:57	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-15 (A3L1311-03RE1)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1017</b>			
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/27/23 20:57	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/27/23 20:57	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	12/27/23 20:57	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Naphthalene	ND	5.00	5.00	ug/L	1	12/27/23 20:57	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	

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Darwin Thomas, Business Development Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****ANALYTICAL SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-15 (A3L1311-03RE1)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1017</b>			
Toluene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/27/23 20:57	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/27/23 20:57	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/27/23 20:57	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/27/23 20:57	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 111 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>12/27/23 20:57</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>	<i>1</i>	<i>12/27/23 20:57</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>	<i>1</i>	<i>12/27/23 20:57</i>	<i>EPA 8260D</i>	
<b>GS-121423-16 (A3L1311-04RE1)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1017</b>			
Acetone	ND	10.0	20.0	ug/L	1	12/27/23 22:05	EPA 8260D	
Acrylonitrile	ND	2.00	2.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	12/27/23 22:05	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/27/23 22:05	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/27/23 22:05	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-16 (A3L1311-04RE1)		Matrix: WG			Batch: 23L1017			
Chloroethane	ND	5.00	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/27/23 22:05	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/27/23 22:05	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	12/27/23 22:05	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Naphthalene	ND	5.00	5.00	ug/L	1	12/27/23 22:05	EPA 8260D	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-16 (A3L1311-04RE1)</b>		<b>Matrix: WG</b>			<b>Batch: 23L1017</b>			
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/27/23 22:05	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/27/23 22:05	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/27/23 22:05	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/27/23 22:05	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 112 %		Limits: 80-120 %	1	12/27/23 22:05	EPA 8260D	
Toluene-d8 (Surr)		102 %		80-120 %	1	12/27/23 22:05	EPA 8260D	
4-Bromofluorobenzene (Surr)		97 %		80-120 %	1	12/27/23 22:05	EPA 8260D	
<b>GS-121423-17 (A3L1311-05)</b>		<b>Matrix: WG</b>			<b>Batch: 23L0909</b>			
Acetone	ND	10.0	20.0	ug/L	1	12/23/23 07:54	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	12/23/23 07:54	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/23/23 07:54	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	

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Darwin Thomas, Business Development Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****ANALYTICAL SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-17 (A3L1311-05)</b>		<b>Matrix: WG</b>			<b>Batch: 23L0909</b>			
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/23/23 07:54	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/23/23 07:54	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-17 (A3L1311-05)		Matrix: WG			Batch: 23L0909			
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/23/23 07:54	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	12/23/23 07:54	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Naphthalene	ND	5.00	5.00	ug/L	1	12/23/23 07:54	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2,4-Trichlorobenzene	ND	2.00	2.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/23/23 07:54	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/23/23 07:54	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/23/23 07:54	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/23/23 07:54	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 110 %		Limits: 80-120 %	1	12/23/23 07:54	EPA 8260D	
Toluene-d8 (Surr)		103 %		80-120 %	1	12/23/23 07:54	EPA 8260D	
4-Bromofluorobenzene (Surr)		96 %		80-120 %	1	12/23/23 07:54	EPA 8260D	
GS-121423-18 (A3L1311-06)		Matrix: WG			Batch: 23L0909			R-04
Acetone	ND	500	1000	ug/L	50	12/23/23 10:54	EPA 8260D	
Acrylonitrile	ND	50.0	100	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>Benzene</b>	<b>188</b>	5.00	10.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Bromobenzene	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Bromochloromethane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-18 (A3L1311-06)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0909</b>		<b>R-04</b>
Bromodichloromethane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Bromoform	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Bromomethane	ND	250	250	ug/L	50	12/23/23 10:54	EPA 8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	12/23/23 10:54	EPA 8260D	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Carbon disulfide	ND	250	500	ug/L	50	12/23/23 10:54	EPA 8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Chloroethane	ND	250	250	ug/L	50	12/23/23 10:54	EPA 8260D	
Chloroform	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Chloromethane	ND	125	250	ug/L	50	12/23/23 10:54	EPA 8260D	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Dibromomethane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1-Dichloroethane	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1-Dichloroethene	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
cis-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
trans-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-18 (A3L1311-06)</b>		<b>Matrix: WG</b>			<b>Batch: 23L0909</b>		<b>R-04</b>	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>Ethylbenzene</b>	<b>195</b>	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Hexachlorobutadiene	ND	125	250	ug/L	50	12/23/23 10:54	EPA 8260D	
2-Hexanone	ND	500	500	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>Isopropylbenzene</b>	<b>35.5</b>	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	<b>J</b>
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Methylene chloride	ND	250	500	ug/L	50	12/23/23 10:54	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/L	50	12/23/23 10:54	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>Naphthalene</b>	<b>179</b>	125	250	ug/L	50	12/23/23 10:54	EPA 8260D	<b>J, Q-54v</b>
<b>n-Propylbenzene</b>	<b>26.5</b>	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Styrene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Tetrachloroethene (PCE)	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Toluene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2,3-Trichlorobenzene	ND	50.0	100	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2,4-Trichlorobenzene	ND	100	100	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1,1-Trichloroethane	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Trichloroethene (TCE)	ND	10.0	20.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	12/23/23 10:54	EPA 8260D	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>1,2,4-Trimethylbenzene</b>	<b>27.5</b>	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	<b>J</b>
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Vinyl chloride	ND	5.00	10.0	ug/L	50	12/23/23 10:54	EPA 8260D	
m,p-Xylene	ND	25.0	50.0	ug/L	50	12/23/23 10:54	EPA 8260D	
<b>o-Xylene</b>	<b>42.0</b>	12.5	25.0	ug/L	50	12/23/23 10:54	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 105 %		Limits: 80-120 %	1	12/23/23 10:54	EPA 8260D	
Toluene-d8 (Surr)		102 %		80-120 %	1	12/23/23 10:54	EPA 8260D	
4-Bromofluorobenzene (Surr)		86 %		80-120 %	1	12/23/23 10:54	EPA 8260D	

**TB-121423 (A3L1311-07)****Matrix: W****Batch: 23L0909**

Apex Laboratories

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Darwin Thomas, Business Development Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****ANALYTICAL SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>TB-121423 (A3L1311-07)</b>		<b>Matrix: W</b>			<b>Batch: 23L0909</b>			
Acetone	ND	10.0	20.0	ug/L	1	12/23/23 05:17	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	12/23/23 05:17	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/23/23 05:17	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/23/23 05:17	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>TB-121423 (A3L1311-07)</b>		<b>Matrix: W</b>			<b>Batch: 23L0909</b>			
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	12/23/23 05:17	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/23/23 05:17	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	12/23/23 05:17	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Naphthalene	ND	5.00	5.00	ug/L	1	12/23/23 05:17	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2,4-Trichlorobenzene	ND	2.00	2.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/23/23 05:17	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
Vinyl chloride	ND	0.100	0.200	ug/L	1	12/23/23 05:17	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/23/23 05:17	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/23/23 05:17	EPA 8260D	

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## ANALYTICAL REPORT

**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

**Anchor QEA, LLC**

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**

Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

### ANALYTICAL SAMPLE RESULTS

#### Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>TB-121423 (A3L1311-07)</b>				<b>Matrix: W</b>		<b>Batch: 23L0909</b>		
Surrogate: 1,4-Difluorobenzene (Surr)			Recovery: 108 %	Limits: 80-120 %	1	12/23/23 05:17	EPA 8260D	
Toluene-d8 (Surr)			102 %	80-120 %	1	12/23/23 05:17	EPA 8260D	
4-Bromofluorobenzene (Surr)			97 %	80-120 %	1	12/23/23 05:17	EPA 8260D	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01)		Matrix: WG			Batch: 23L0646		DCNT	
Acenaphthene	114	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Acenaphthylene	9.70	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Anthracene	8.48	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Benz(a)anthracene	0.494	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Benzo(b+j)fluoranthene(s)	ND	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Chrysene	0.411	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Fluoranthene	17.2	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Fluorene	31.3	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.0979	0.196	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
1-Methylnaphthalene	50.5	0.392	0.783	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
2-Methylnaphthalene	25.3	0.392	0.783	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Naphthalene	13.4	0.392	0.783	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Phenanthrene	55.4	0.392	0.783	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Pyrene	18.1	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Dibenzofuran	4.05	0.196	0.392	ug/L	10	12/18/23 17:44	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 81 %		Limits: 78-134 %	10	12/18/23 17:44	EPA 8270E LVI	S-05
Benzo(a)pyrene-d12 (Surr)		87 %		80-132 %	10	12/18/23 17:44	EPA 8270E LVI	S-05
GS-121423-14 (A3L1311-02RE1)		Matrix: WG			Batch: 23L0646			
Acenaphthene	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Acenaphthylene	0.0605	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Anthracene	0.121	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Benzo(b+j)fluoranthene(s)	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Chrysene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-14 (A3L1311-02RE1)		Matrix: WG			Batch: 23L0646			
Fluoranthene	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Fluorene	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00876	0.0175	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0351	0.0701	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0351	0.0701	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Naphthalene	ND	0.0351	0.0701	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Phenanthrene	ND	0.0351	0.0701	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Pyrene	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Dibenzofuran	ND	0.0175	0.0351	ug/L	1	12/18/23 19:20	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 112 %		Limits: 78-134 %	1	12/18/23 19:20	EPA 8270E LVI	
Benzo(a)pyrene-d12 (Surr)		117 %		80-132 %	1	12/18/23 19:20	EPA 8270E LVI	
GS-121423-15 (A3L1311-03)		Matrix: WG			Batch: 23L0646			DCNT
Acenaphthylene	2.83	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Anthracene	1.82	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Benz(a)anthracene	0.134	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Benzo(a)pyrene	0.0278	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Benzo(b+j)fluoranthene(s)	0.0354	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Benzo(k)fluoranthene	0.0179	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	J
Benzo(g,h,i)perylene	ND	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Chrysene	0.138	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Fluoranthene	4.46	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Fluorene	10.6	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00943	0.0189	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
1-Methylnaphthalene	1.00	0.0377	0.0755	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0377	0.0755	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Naphthalene	0.269	0.0377	0.0755	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Phenanthrene	0.708	0.0377	0.0755	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Pyrene	4.29	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Dibenzofuran	0.144	0.0189	0.0377	ug/L	1	12/18/23 19:52	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 111 %		Limits: 78-134 %	1	12/18/23 19:52	EPA 8270E LVI	
Benzo(a)pyrene-d12 (Surr)		120 %		80-132 %	1	12/18/23 19:52	EPA 8270E LVI	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-15 (A3L1311-03RE1)				Matrix: WG		Batch: 23L0646		
Acenaphthene	38.8	0.189	0.377	ug/L	10	12/19/23 16:27	EPA 8270E LVI	
GS-121423-16 (A3L1311-04RE2)				Matrix: WG		Batch: 23L0840		
Acenaphthene	0.855	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Acenaphthylene	0.122	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Anthracene	0.0753	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Benzo(a)pyrene	0.00878	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	J
Benzo(b+j)fluoranthene(s)	0.00962	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	J
Benzo(k)fluoranthene	ND	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Benzo(g,h,i)perylene	0.0205	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	J
Chrysene	ND	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Dibenz(a,h)anthracene	0.00878	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	J
Fluoranthene	0.0732	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Fluorene	0.0293	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	J
Indeno(1,2,3-cd)pyrene	0.0176	0.00836	0.0167	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0334	0.0669	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0334	0.0669	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Naphthalene	ND	0.0334	0.0669	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Phenanthrene	ND	0.0334	0.0669	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Pyrene	0.0406	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Dibenzofuran	ND	0.0167	0.0334	ug/L	1	12/21/23 14:03	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 111 %		Limits: 78-134 %	1	12/21/23 14:03	EPA 8270E LVI	
Benzo(a)pyrene-d12 (Surr)		118 %		80-132 %	1	12/21/23 14:03	EPA 8270E LVI	
GS-121423-17 (A3L1311-05)				Matrix: WG		Batch: 23L0646		
Acenaphthene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Acenaphthylene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Anthracene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Benzo(b+j)fluoranthene(s)	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-17 (A3L1311-05)		Matrix: WG			Batch: 23L0646			
Benzo(g,h,i)perylene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Chrysene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Fluoranthene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Fluorene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00814	0.0163	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0326	0.0651	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0326	0.0651	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Naphthalene	ND	0.0326	0.0651	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Phenanthrene	ND	0.0326	0.0651	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Pyrene	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Dibenzofuran	ND	0.0163	0.0326	ug/L	1	12/18/23 20:57	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 111 %		Limits: 78-134 %	1	12/18/23 20:57	EPA 8270E LVI	
Benzo(a)pyrene-d12 (Surr)		119 %		80-132 %	1	12/18/23 20:57	EPA 8270E LVI	
GS-121423-18 (A3L1311-06)		Matrix: WG			Batch: 23L0646			DCNT
Acenaphthene	204	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	M-04
Acenaphthylene	ND	19.0	19.0	ug/L	100	12/18/23 17:12	EPA 8270E LVI	R-02
Anthracene	7.41	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Benz(a)anthracene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Benzo(b+j)fluoranthene(s)	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Chrysene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Fluoranthene	2.23	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	J
Fluorene	50.7	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.950	1.90	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
1-Methylnaphthalene	520	3.80	7.60	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
2-Methylnaphthalene	494	3.80	7.60	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Naphthalene	242	3.80	7.60	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Phenanthrene	61.5	3.80	7.60	ug/L	100	12/18/23 17:12	EPA 8270E LVI	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-18 (A3L1311-06)		Matrix: WG		Batch: 23L0646		DCNT		
Pyrene	2.04	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	J
Dibenzofuran	13.1	1.90	3.80	ug/L	100	12/18/23 17:12	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 284 %		Limits: 78-134 %	100	12/18/23 17:12	EPA 8270E LVI	S-05
Benzo(a)pyrene-d12 (Surr)		58 %		80-132 %	100	12/18/23 17:12	EPA 8270E LVI	S-05

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## ANALYTICAL REPORT

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Portland, OR 97219

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 00:21	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Arsenic	4.64	0.500	1.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Barium	89.3	1.00	2.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 00:21	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 00:21	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Iron	21200	25.0	50.0	ug/L	1	01/04/24 00:21	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	01/04/24 00:21	EPA 6020B	
Manganese	1290	0.500	1.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 00:21	EPA 6020B	
Nickel	1.28	1.00	2.00	ug/L	1	01/04/24 00:21	EPA 6020B	J
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 00:21	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 00:21	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	01/04/24 00:21	EPA 6020B	
Zinc	3.45	2.00	4.00	ug/L	1	01/04/24 00:21	EPA 6020B	J
GS-121423-14 (A3L1311-02)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 00:37	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Arsenic	ND	0.500	1.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Barium	33.1	1.00	2.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 00:37	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 00:37	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Copper	1.04	1.00	2.00	ug/L	1	01/04/24 00:37	EPA 6020B	J
Iron	124	25.0	50.0	ug/L	1	01/04/24 00:37	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	01/04/24 00:37	EPA 6020B	
Manganese	7.77	0.500	1.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 00:37	EPA 6020B	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-14 (A3L1311-02)		Matrix: WG						
Nickel	39.7	1.00	2.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 00:37	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 00:37	EPA 6020B	
Vanadium	22.4	1.00	2.00	ug/L	1	01/04/24 00:37	EPA 6020B	
Zinc	5.06	2.00	4.00	ug/L	1	01/04/24 00:37	EPA 6020B	
GS-121423-15 (A3L1311-03)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 00:42	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Arsenic	2.54	0.500	1.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Barium	116	1.00	2.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 00:42	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 00:42	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Iron	25700	25.0	50.0	ug/L	1	01/04/24 00:42	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	01/04/24 00:42	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 00:42	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 00:42	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 00:42	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	01/04/24 00:42	EPA 6020B	
Zinc	2.10	2.00	4.00	ug/L	1	01/04/24 00:42	EPA 6020B	J
GS-121423-15 (A3L1311-03RE1)		Matrix: WG						
Batch: 23L1110								
Manganese	7430	5.00	10.0	ug/L	10	01/04/24 18:36	EPA 6020B	
GS-121423-16 (A3L1311-04)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 00:47	EPA 6020B	

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## ANALYTICAL REPORT

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-16 (A3L1311-04)		Matrix: WG						
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 00:47	EPA 6020B	J
Arsenic	ND	0.500	1.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Barium	12.6	1.00	2.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 00:47	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 00:47	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Copper	2.08	1.00	2.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Iron	134	25.0	50.0	ug/L	1	01/04/24 00:47	EPA 6020B	
Lead	0.120	0.110	0.200	ug/L	1	01/04/24 00:47	EPA 6020B	
Manganese	65.6	0.500	1.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 00:47	EPA 6020B	
Nickel	22.5	1.00	2.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 00:47	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 00:47	EPA 6020B	
Vanadium	57.6	1.00	2.00	ug/L	1	01/04/24 00:47	EPA 6020B	
Zinc	4.53	2.00	4.00	ug/L	1	01/04/24 00:47	EPA 6020B	
GS-121423-17 (A3L1311-05)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 00:53	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Arsenic	ND	0.500	1.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Barium	ND	1.00	2.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 00:53	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 00:53	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Iron	ND	25.0	50.0	ug/L	1	01/04/24 00:53	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	01/04/24 00:53	EPA 6020B	
Manganese	ND	0.500	1.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 00:53	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	01/04/24 00:53	EPA 6020B	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-17 (A3L1311-05)		Matrix: WG						
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 00:53	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 00:53	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	01/04/24 00:53	EPA 6020B	
Zinc	ND	2.00	4.00	ug/L	1	01/04/24 00:53	EPA 6020B	
GS-121423-18 (A3L1311-06)		Matrix: WG						
Batch: 23L1110								
Aluminum	ND	25.0	50.0	ug/L	1	01/04/24 01:09	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Arsenic	5.08	0.500	1.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Barium	40.3	1.00	2.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	01/04/24 01:09	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	01/04/24 01:09	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Copper	1.04	1.00	2.00	ug/L	1	01/04/24 01:09	EPA 6020B	J
Iron	50400	25.0	50.0	ug/L	1	01/04/24 01:09	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	01/04/24 01:09	EPA 6020B	
Manganese	1720	0.500	1.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	01/04/24 01:09	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	01/04/24 01:09	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	01/04/24 01:09	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	01/04/24 01:09	EPA 6020B	
Zinc	2.80	2.00	4.00	ug/L	1	01/04/24 01:09	EPA 6020B	J

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# ANALYTICAL REPORT

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503-718-2323

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Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## ANALYTICAL SAMPLE RESULTS

### Total Cyanide by Flow Analysis (Aqueous)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-121423-13 (A3L1311-01)				Matrix: WG		Batch: 23L0902		
Total Cyanide	0.194	0.00500	0.00500	mg/L	1	12/22/23 13:54	EPA 335.4	
GS-121423-14 (A3L1311-02)				Matrix: WG		Batch: 23L0902		
Total Cyanide	0.0700	0.00500	0.00500	mg/L	1	12/22/23 13:56	EPA 335.4	
GS-121423-15 (A3L1311-03)				Matrix: WG		Batch: 23L0902		
Total Cyanide	0.169	0.00500	0.00500	mg/L	1	12/22/23 13:58	EPA 335.4	
GS-121423-16 (A3L1311-04)				Matrix: WG		Batch: 23L0902		
Total Cyanide	0.0153	0.00500	0.00500	mg/L	1	12/22/23 14:02	EPA 335.4	
GS-121423-17 (A3L1311-05)				Matrix: WG		Batch: 23L0902		
Total Cyanide	ND	0.00500	0.00500	mg/L	1	12/22/23 14:12	EPA 335.4	
GS-121423-18 (A3L1311-06)				Matrix: WG		Batch: 23L0902		
Total Cyanide	0.0440	0.00500	0.00500	mg/L	1	12/22/23 14:14	EPA 335.4	

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****ANALYTICAL SAMPLE RESULTS****Available Cyanide by FIA, Ligand Exchange and Amperometric Detection**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-13 (A3L1311-01)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0690</b>		
Available Cyanide	<b>0.00151</b>	0.00100	0.00200	mg/L	1	12/19/23 12:40	D6888-09	<b>J</b>
<b>GS-121423-14 (A3L1311-02RE1)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0945</b>		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	12/26/23 14:55	D6888-09	
<b>GS-121423-15 (A3L1311-03RE1)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0945</b>		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	12/26/23 15:01	D6888-09	
<b>GS-121423-16 (A3L1311-04RE1)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0945</b>		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	12/26/23 14:57	D6888-09	
<b>GS-121423-17 (A3L1311-05RE1)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0945</b>		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	12/26/23 14:58	D6888-09	
<b>GS-121423-18 (A3L1311-06RE1)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0945</b>		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	12/26/23 15:04	D6888-09	

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Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>GS-121423-13 (A3L1311-01)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 14:59	D4282-02	
<b>GS-121423-14 (A3L1311-02)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 14:59	D4282-02	
<b>GS-121423-15 (A3L1311-03)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 15:09	D4282-02	
<b>GS-121423-16 (A3L1311-04)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 15:09	D4282-02	
<b>GS-121423-17 (A3L1311-05)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 15:15	D4282-02	
<b>GS-121423-18 (A3L1311-06)</b>				<b>Matrix: WG</b>		<b>Batch: 23L0709</b>		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	12/19/23 15:15	D4282-02	

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Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0980 - EPA 3510C (Fuels/Acid Ext.)						Water						
Blank (23L0980-BLK1)			Prepared: 12/27/23 06:02		Analyzed: 12/28/23 16:34							
NWTPH-Dx												
Diesel	ND	100	200	ug/L	1	---	---	---	---	---	---	
Oil	ND	200	400	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						
LCS (23L0980-BS1)			Prepared: 12/27/23 06:02		Analyzed: 12/28/23 16:54							
NWTPH-Dx												
Diesel	1170	100	200	ug/L	1	1250	---	94	36-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %		Dilution: 1x						
Matrix Spike (23L0980-MS1)			Prepared: 12/27/23 06:02		Analyzed: 12/28/23 18:15							
QC Source Sample: Non-SDG (A3L1275-02)												
NWTPH-Dx												
Diesel	1650	98.0	196	ug/L	1	1230	963	56	36-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %		Dilution: 1x						
Matrix Spike Dup (23L0980-MSD1)			Prepared: 12/27/23 06:02		Analyzed: 12/28/23 18:36							
QC Source Sample: Non-SDG (A3L1275-02)												
Diesel	1690	98.0	196	ug/L	1	1230	963	60	36-132%	3	30%	
Surr: o-Terphenyl (Surr)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						

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Project Number: 000029-02.84 T-01.001E

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Blank (23L0909-BLK1)			Prepared: 12/22/23 10:41   Analyzed: 12/23/23 04:31									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	50.0	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Surr)		107 %		50-150 %		"						
LCS (23L0909-BS2)			Prepared: 12/22/23 10:41   Analyzed: 12/23/23 04:09									
NWTPH-Gx (MS)												
Gasoline Range Organics	479	50.0	100	ug/L	1	500	---	96	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Surr)		101 %		50-150 %		"						
Duplicate (23L0909-DUP1)			Prepared: 12/22/23 10:41   Analyzed: 12/23/23 09:25									
QC Source Sample: Non-SDG (A3L1357-03)												
Gasoline Range Organics	62300	10000	20000	ug/L	200	---	65100	---	---	4	30%	F-12
Surr: 4-Bromofluorobenzene (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Surr)		113 %		50-150 %		"						

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Blank (23L1017-BLK1)			Prepared: 12/27/23 14:00   Analyzed: 12/27/23 16:57									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	50.0	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 86 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		107 %		50-150 %		"						
LCS (23L1017-BS2)			Prepared: 12/27/23 14:00   Analyzed: 12/27/23 16:34									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	485	50.0	100	ug/L	1	500	---	97	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 91 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		104 %		50-150 %		"						
Duplicate (23L1017-DUP1)			Prepared: 12/27/23 14:00   Analyzed: 12/28/23 02:13						TEMP			
<u>QC Source Sample: Non-SDG (A3L1611-01)</u>												
Gasoline Range Organics	1060	50.0	100	ug/L	1	---	1050	---	---	0.6	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 102 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		106 %		50-150 %		"						
Duplicate (23L1017-DUP2)			Prepared: 12/27/23 14:00   Analyzed: 12/27/23 23:57						V-13			
<u>QC Source Sample: Non-SDG (A3L1552-01RE1)</u>												
Gasoline Range Organics	4490	250	500	ug/L	5	---	4460	---	---	0.7	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 87 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		106 %		50-150 %		"						

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ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Blank (23L0909-BLK1)			Prepared: 12/22/23 10:41		Analyzed: 12/23/23 04:31							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

## Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Blank (23L0909-BLK1)						Prepared: 12/22/23 10:41 Analyzed: 12/23/23 04:31						
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	2.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 108 % Limits: 80-120 % Dilution: 1x												

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Blank (23L0909-BLK1)			Prepared: 12/22/23 10:41		Analyzed: 12/23/23 04:31							
Surr: Toluene-d8 (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		97 %		80-120 %		"						
LCS (23L0909-BS1)			Prepared: 12/22/23 10:41		Analyzed: 12/23/23 03:46							
EPA 8260D												
Acetone	49.2	10.0	20.0	ug/L	1	40.0	---	123	80-120%	---	---	Q-56
Acrylonitrile	19.5	1.00	2.00	ug/L	1	20.0	---	97	80-120%	---	---	
Benzene	21.2	0.100	0.200	ug/L	1	20.0	---	106	80-120%	---	---	
Bromobenzene	20.0	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Bromochloromethane	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Bromodichloromethane	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Bromoform	24.0	0.500	1.00	ug/L	1	20.0	---	120	80-120%	---	---	
Bromomethane	27.3	5.00	5.00	ug/L	1	20.0	---	137	80-120%	---	---	Q-56
2-Butanone (MEK)	37.4	5.00	10.0	ug/L	1	40.0	---	93	80-120%	---	---	
n-Butylbenzene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
sec-Butylbenzene	22.7	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
tert-Butylbenzene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Carbon disulfide	25.6	5.00	10.0	ug/L	1	20.0	---	128	80-120%	---	---	Q-56
Carbon tetrachloride	25.8	0.500	1.00	ug/L	1	20.0	---	129	80-120%	---	---	Q-56
Chlorobenzene	22.0	0.250	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
Chloroethane	26.6	5.00	5.00	ug/L	1	20.0	---	133	80-120%	---	---	Q-56
Chloroform	23.8	0.500	1.00	ug/L	1	20.0	---	119	80-120%	---	---	
Chloromethane	20.2	2.50	5.00	ug/L	1	20.0	---	101	80-120%	---	---	
2-Chlorotoluene	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
4-Chlorotoluene	20.9	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Dibromochloromethane	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2-Dibromo-3-chloropropane	16.5	2.50	5.00	ug/L	1	20.0	---	83	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.7	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Dibromomethane	22.8	0.500	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
1,2-Dichlorobenzene	20.7	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,3-Dichlorobenzene	22.0	0.250	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
1,4-Dichlorobenzene	20.8	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Dichlorodifluoromethane	24.2	0.500	1.00	ug/L	1	20.0	---	121	80-120%	---	---	Q-56
1,1-Dichloroethane	22.5	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	

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Tigard, OR 97223

503-718-2323

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## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
LCS (23L0909-BS1)						Prepared: 12/22/23 10:41 Analyzed: 12/23/23 03:46						
1,2-Dichloroethane (EDC)	23.0	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
1,1-Dichloroethene	27.9	0.200	0.400	ug/L	1	20.0	---	140	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	18.6	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
trans-1,2-Dichloroethene	25.0	0.200	0.400	ug/L	1	20.0	---	125	80-120%	---	---	Q-56
1,2-Dichloropropane	19.7	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
1,3-Dichloropropane	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
2,2-Dichloropropane	18.2	0.500	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,1-Dichloropropene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
trans-1,3-Dichloropropene	20.8	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Ethylbenzene	21.7	0.250	0.500	ug/L	1	20.0	---	109	80-120%	---	---	
Hexachlorobutadiene	20.0	2.50	5.00	ug/L	1	20.0	---	100	80-120%	---	---	
2-Hexanone	29.4	10.0	10.0	ug/L	1	40.0	---	73	80-120%	---	---	Q-55
Isopropylbenzene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
4-Isopropyltoluene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Methylene chloride	26.5	5.00	10.0	ug/L	1	20.0	---	132	80-120%	---	---	Q-56
4-Methyl-2-pentanone (MiBK)	32.6	5.00	10.0	ug/L	1	40.0	---	82	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
Naphthalene	12.0	5.00	5.00	ug/L	1	20.0	---	60	80-120%	---	---	Q-55
n-Propylbenzene	21.0	0.250	0.500	ug/L	1	20.0	---	105	80-120%	---	---	
Styrene	20.7	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	22.3	0.200	0.400	ug/L	1	20.0	---	111	80-120%	---	---	
1,1,2,2-Tetrachloroethane	17.4	0.250	0.500	ug/L	1	20.0	---	87	80-120%	---	---	
Tetrachloroethene (PCE)	22.5	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	
Toluene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2,3-Trichlorobenzene	17.8	1.00	2.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,2,4-Trichlorobenzene	15.1	2.00	2.00	ug/L	1	20.0	---	75	80-120%	---	---	Q-55
1,1,1-Trichloroethane	24.5	0.200	0.400	ug/L	1	20.0	---	122	80-120%	---	---	Q-56
1,1,2-Trichloroethane	22.7	0.250	0.500	ug/L	1	20.0	---	114	80-120%	---	---	
Trichloroethene (TCE)	23.2	0.200	0.400	ug/L	1	20.0	---	116	80-120%	---	---	
Trichlorofluoromethane	31.6	1.00	2.00	ug/L	1	20.0	---	158	80-120%	---	---	Q-56
1,2,3-Trichloropropane	22.1	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2,4-Trimethylbenzene	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,3,5-Trimethylbenzene	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	

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Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
LCS (23L0909-BS1)						Prepared: 12/22/23 10:41 Analyzed: 12/23/23 03:46						
Vinyl chloride	21.7	0.100	0.200	ug/L	1	20.0	---	108	80-120%	---	---	
m,p-Xylene	47.7	0.500	1.00	ug/L	1	40.0	---	119	80-120%	---	---	
o-Xylene	18.2	0.250	0.500	ug/L	1	20.0	---	91	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 104 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		89 %		80-120 %		"						

## Duplicate (23L0909-DUP1)

Prepared: 12/22/23 10:41 Analyzed: 12/23/23 09:25

## QC Source Sample: Non-SDG (A3L1357-03)

Acetone	ND	2000	4000	ug/L	200	---	ND	---	---	---	30%
Acrylonitrile	ND	200	400	ug/L	200	---	ND	---	---	---	30%
Benzene	ND	20.0	40.0	ug/L	200	---	ND	---	---	---	30%
Bromobenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%
Bromochloromethane	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Bromodichloromethane	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Bromoform	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Bromomethane	ND	1000	1000	ug/L	200	---	ND	---	---	---	30%
2-Butanone (MEK)	ND	1000	2000	ug/L	200	---	ND	---	---	---	30%
n-Butylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%
sec-Butylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%
tert-Butylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Carbon disulfide	ND	1000	2000	ug/L	200	---	ND	---	---	---	30%
Carbon tetrachloride	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Chlorobenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%
Chloroethane	ND	1000	1000	ug/L	200	---	ND	---	---	---	30%
Chloroform	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Chloromethane	ND	500	1000	ug/L	200	---	ND	---	---	---	30%
2-Chlorotoluene	ND	100	200	ug/L	200	---	ND	---	---	---	30%
4-Chlorotoluene	ND	100	200	ug/L	200	---	ND	---	---	---	30%
Dibromochloromethane	ND	100	200	ug/L	200	---	ND	---	---	---	30%
1,2-Dibromo-3-chloropropane	ND	500	1000	ug/L	200	---	ND	---	---	---	30%
1,2-Dibromoethane (EDB)	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%
Dibromomethane	ND	100	200	ug/L	200	---	ND	---	---	---	30%
1,2-Dichlorobenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%

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Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Duplicate (23L0909-DUP1)			Prepared: 12/22/23 10:41    Analyzed: 12/23/23 09:25									
QC Source Sample: Non-SDG (A3L1357-03)												
1,3-Dichlorobenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	678	40.0	80.0	ug/L	200	---	676	---	---	0.3	30%	
trans-1,2-Dichloroethene	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
Ethylbenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	500	1000	ug/L	200	---	ND	---	---	---	30%	
2-Hexanone	ND	2000	2000	ug/L	200	---	ND	---	---	---	30%	
Isopropylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
Methylene chloride	ND	1000	2000	ug/L	200	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	1000	2000	ug/L	200	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
Naphthalene	ND	1000	1000	ug/L	200	---	ND	---	---	---	30%	
n-Propylbenzene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
Styrene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	19900	40.0	80.0	ug/L	200	---	19800	---	---	0.3	30%	
Toluene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	200	400	ug/L	200	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	400	400	ug/L	200	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	40.0	80.0	ug/L	200	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Duplicate (23L0909-DUP1)			Prepared: 12/22/23 10:41   Analyzed: 12/23/23 09:25									
QC Source Sample: Non-SDG (A3L1357-03)												
Trichloroethene (TCE)	1270	40.0	80.0	ug/L	200	---	1280	---	---	1	30%	
Trichlorofluoromethane	ND	200	400	ug/L	200	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
Vinyl chloride	ND	40.0	40.0	ug/L	200	---	ND	---	---	---	30%	
m,p-Xylene	ND	100	200	ug/L	200	---	ND	---	---	---	30%	
o-Xylene	ND	50.0	100	ug/L	200	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 114 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		80-120 %		"						

## Matrix Spike (23L0909-MS1)

Prepared: 12/22/23 10:41 Analyzed: 12/23/23 13:10

QC Source Sample: Non-SDG (A3L1315-06)

EPA 8260D												
Acetone	2520	500	1000	ug/L	50	2000	ND	126	39-160%	---	---	Q-54k
Acrylonitrile	944	50.0	100	ug/L	50	1000	ND	94	63-135%	---	---	
Benzene	1100	5.00	10.0	ug/L	50	1000	ND	110	79-120%	---	---	
Bromobenzene	1010	12.5	25.0	ug/L	50	1000	ND	101	80-120%	---	---	
Bromochloromethane	1120	25.0	50.0	ug/L	50	1000	ND	112	78-123%	---	---	
Bromodichloromethane	1210	25.0	50.0	ug/L	50	1000	ND	121	79-125%	---	---	
Bromoform	1250	25.0	50.0	ug/L	50	1000	ND	125	66-130%	---	---	
Bromomethane	1520	250	250	ug/L	50	1000	ND	152	53-141%	---	---	Q-54q
2-Butanone (MEK)	1860	250	500	ug/L	50	2000	ND	93	56-143%	---	---	
n-Butylbenzene	1040	25.0	50.0	ug/L	50	1000	ND	104	75-128%	---	---	
sec-Butylbenzene	1150	25.0	50.0	ug/L	50	1000	ND	115	77-126%	---	---	
tert-Butylbenzene	1000	25.0	50.0	ug/L	50	1000	ND	100	78-124%	---	---	
Carbon disulfide	1290	250	500	ug/L	50	1000	ND	129	64-133%	---	---	Q-54r
Carbon tetrachloride	1440	25.0	50.0	ug/L	50	1000	ND	144	72-136%	---	---	Q-54s
Chlorobenzene	1130	12.5	25.0	ug/L	50	1000	ND	113	80-120%	---	---	
Chloroethane	1390	250	250	ug/L	50	1000	ND	139	60-138%	---	---	Q-54d
Chloroform	1270	25.0	50.0	ug/L	50	1000	ND	127	79-124%	---	---	Q-01
Chloromethane	1080	125	250	ug/L	50	1000	ND	108	50-139%	---	---	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Matrix Spike (23L0909-MS1)			Prepared: 12/22/23 10:41		Analyzed: 12/23/23 13:10							
QC Source Sample: Non-SDG (A3L1315-06)												
2-Chlorotoluene	973	25.0	50.0	ug/L	50	1000	ND	97	79-122%	---	---	
4-Chlorotoluene	1070	25.0	50.0	ug/L	50	1000	ND	107	78-122%	---	---	
Dibromochloromethane	1120	25.0	50.0	ug/L	50	1000	ND	112	74-126%	---	---	
1,2-Dibromo-3-chloropropane	806	125	250	ug/L	50	1000	ND	81	62-128%	---	---	
1,2-Dibromoethane (EDB)	1070	12.5	25.0	ug/L	50	1000	ND	107	77-121%	---	---	
Dibromomethane	1210	25.0	50.0	ug/L	50	1000	ND	121	79-123%	---	---	
1,2-Dichlorobenzene	1030	12.5	25.0	ug/L	50	1000	ND	103	80-120%	---	---	
1,3-Dichlorobenzene	1120	12.5	25.0	ug/L	50	1000	ND	112	80-120%	---	---	
1,4-Dichlorobenzene	1070	12.5	25.0	ug/L	50	1000	ND	107	79-120%	---	---	
Dichlorodifluoromethane	1340	25.0	50.0	ug/L	50	1000	ND	134	32-152%	---	---	Q-54
1,1-Dichloroethane	1320	10.0	20.0	ug/L	50	1000	145	117	77-125%	---	---	
1,2-Dichloroethane (EDC)	1220	10.0	20.0	ug/L	50	1000	ND	122	73-128%	---	---	
1,1-Dichloroethene	1480	10.0	20.0	ug/L	50	1000	40.0	144	71-131%	---	---	Q-54i
cis-1,2-Dichloroethene	2500	10.0	20.0	ug/L	50	1000	1370	113	78-123%	---	---	
trans-1,2-Dichloroethene	1330	10.0	20.0	ug/L	50	1000	24.0	131	75-124%	---	---	Q-54p
1,2-Dichloropropane	1030	12.5	25.0	ug/L	50	1000	ND	103	78-122%	---	---	
1,3-Dichloropropane	964	25.0	50.0	ug/L	50	1000	ND	96	80-120%	---	---	
2,2-Dichloropropane	820	25.0	50.0	ug/L	50	1000	ND	82	60-139%	---	---	
1,1-Dichloropropene	1070	25.0	50.0	ug/L	50	1000	ND	107	79-125%	---	---	
cis-1,3-Dichloropropene	622	25.0	50.0	ug/L	50	1000	ND	62	75-124%	---	---	Q-01
trans-1,3-Dichloropropene	1020	25.0	50.0	ug/L	50	1000	ND	102	73-127%	---	---	
Ethylbenzene	1160	12.5	25.0	ug/L	50	1000	ND	116	79-121%	---	---	
Hexachlorobutadiene	978	125	250	ug/L	50	1000	ND	98	66-134%	---	---	
2-Hexanone	1380	500	500	ug/L	50	2000	ND	69	57-139%	---	---	Q-54aa
Isopropylbenzene	1090	25.0	50.0	ug/L	50	1000	ND	109	72-131%	---	---	
4-Isopropyltoluene	1000	25.0	50.0	ug/L	50	1000	ND	100	77-127%	---	---	
Methylene chloride	1310	250	500	ug/L	50	1000	ND	131	74-124%	---	---	Q-54c
4-Methyl-2-pentanone (MiBK)	1630	250	500	ug/L	50	2000	ND	81	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	1110	25.0	50.0	ug/L	50	1000	ND	111	71-124%	---	---	
Naphthalene	552	250	250	ug/L	50	1000	ND	55	61-128%	---	---	Q-54v
n-Propylbenzene	1080	12.5	25.0	ug/L	50	1000	ND	108	76-126%	---	---	
Styrene	1070	25.0	50.0	ug/L	50	1000	ND	107	78-123%	---	---	
1,1,1,2-Tetrachloroethane	1160	10.0	20.0	ug/L	50	1000	ND	116	78-124%	---	---	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0909 - EPA 5030C						Water						
Matrix Spike (23L0909-MS1)			Prepared: 12/22/23 10:41		Analyzed: 12/23/23 13:10							
QC Source Sample: Non-SDG (A3L1315-06)												
1,1,2,2-Tetrachloroethane	1100	12.5	25.0	ug/L	50	1000	ND	110	71-121%	---	---	Q-01
Tetrachloroethene (PCE)	3030	10.0	20.0	ug/L	50	1000	1640	138	74-129%	---	---	
Toluene	1100	25.0	50.0	ug/L	50	1000	ND	110	80-121%	---	---	
1,2,3-Trichlorobenzene	852	50.0	100	ug/L	50	1000	ND	85	69-129%	---	---	Q-54z
1,2,4-Trichlorobenzene	722	100	100	ug/L	50	1000	ND	72	69-130%	---	---	
1,1,1-Trichloroethane	1350	10.0	20.0	ug/L	50	1000	16.0	133	74-131%	---	---	
1,1,2-Trichloroethane	1180	12.5	25.0	ug/L	50	1000	ND	118	80-120%	---	---	Q-54h
Trichloroethene (TCE)	1960	10.0	20.0	ug/L	50	1000	800	116	79-123%	---	---	
Trichlorofluoromethane	1790	50.0	100	ug/L	50	1000	ND	179	65-141%	---	---	
1,2,3-Trichloropropane	1130	25.0	50.0	ug/L	50	1000	ND	113	73-122%	---	---	Q-54m
1,2,4-Trimethylbenzene	1120	25.0	50.0	ug/L	50	1000	ND	112	76-124%	---	---	
1,3,5-Trimethylbenzene	1130	25.0	50.0	ug/L	50	1000	ND	113	75-124%	---	---	
Vinyl chloride	1200	5.00	10.0	ug/L	50	1000	56.0	114	58-137%	---	---	Q-01
m,p-Xylene	2520	25.0	50.0	ug/L	50	2000	ND	126	80-121%	---	---	
o-Xylene	909	12.5	25.0	ug/L	50	1000	ND	91	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 108 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		93 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		87 %		80-120 %		"						

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Blank (23L1017-BLK1)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 16:57							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	2.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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## ANALYTICAL REPORT

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Blank (23L1017-BLK1)						Prepared: 12/27/23 14:00 Analyzed: 12/27/23 16:57						
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 107 % Limits: 80-120 % Dilution: 1x												

Apex Laboratories

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Darwin Thomas, Business Development Director

Page 46 of 88



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Anchor QEA, LLC**

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Blank (23L1017-BLK1)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 16:57							
Surr: Toluene-d8 (Surr)		Recovery: 101 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		96 %		80-120 %		"						
LCS (23L1017-BS1)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 16:01							
EPA 8260D												
Acetone	47.8	10.0	20.0	ug/L	1	40.0	---	120	80-120%	---	---	Q-55
Acrylonitrile	15.2	2.00	2.00	ug/L	1	20.0	---	76	80-120%	---	---	
Benzene	21.6	0.100	0.200	ug/L	1	20.0	---	108	80-120%	---	---	
Bromobenzene	20.1	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Bromochloromethane	21.8	0.500	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
Bromodichloromethane	24.0	0.500	1.00	ug/L	1	20.0	---	120	80-120%	---	---	Q-56
Bromoform	25.5	0.500	1.00	ug/L	1	20.0	---	128	80-120%	---	---	
Bromomethane	24.6	5.00	5.00	ug/L	1	20.0	---	123	80-120%	---	---	
2-Butanone (MEK)	35.7	5.00	10.0	ug/L	1	40.0	---	89	80-120%	---	---	Q-56
n-Butylbenzene	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
sec-Butylbenzene	22.5	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
tert-Butylbenzene	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Carbon disulfide	25.0	5.00	10.0	ug/L	1	20.0	---	125	80-120%	---	---	
Carbon tetrachloride	27.7	0.500	1.00	ug/L	1	20.0	---	138	80-120%	---	---	Q-56
Chlorobenzene	22.6	0.250	0.500	ug/L	1	20.0	---	113	80-120%	---	---	Q-56
Chloroethane	25.9	5.00	5.00	ug/L	1	20.0	---	129	80-120%	---	---	
Chloroform	25.3	0.500	1.00	ug/L	1	20.0	---	127	80-120%	---	---	
Chloromethane	20.2	2.50	5.00	ug/L	1	20.0	---	101	80-120%	---	---	Q-56
2-Chlorotoluene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
4-Chlorotoluene	21.5	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
Dibromochloromethane	22.9	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	Q-56
1,2-Dibromo-3-chloropropane	16.7	2.50	5.00	ug/L	1	20.0	---	84	80-120%	---	---	
1,2-Dibromoethane (EDB)	21.3	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Dibromomethane	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	Q-56
1,2-Dichlorobenzene	20.8	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,3-Dichlorobenzene	22.6	0.250	0.500	ug/L	1	20.0	---	113	80-120%	---	---	
1,4-Dichlorobenzene	21.5	0.250	0.500	ug/L	1	20.0	---	108	80-120%	---	---	Q-56
Dichlorodifluoromethane	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,1-Dichloroethane	16.8	0.200	0.400	ug/L	1	20.0	---	84	80-120%	---	---	

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Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
LCS (23L1017-BS1)						Prepared: 12/27/23 14:00 Analyzed: 12/27/23 16:01						
1,2-Dichloroethane (EDC)	23.7	0.200	0.400	ug/L	1	20.0	---	119	80-120%	---	---	
1,1-Dichloroethene	27.4	0.200	0.400	ug/L	1	20.0	---	137	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	19.3	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
trans-1,2-Dichloroethene	26.2	0.200	0.400	ug/L	1	20.0	---	131	80-120%	---	---	Q-56
1,2-Dichloropropane	20.3	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,3-Dichloropropane	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
2,2-Dichloropropane	26.5	0.500	1.00	ug/L	1	20.0	---	132	80-120%	---	---	Q-56
1,1-Dichloropropene	20.7	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
trans-1,3-Dichloropropene	22.7	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Ethylbenzene	22.1	0.250	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
Hexachlorobutadiene	21.2	2.50	5.00	ug/L	1	20.0	---	106	80-120%	---	---	
2-Hexanone	28.5	10.0	10.0	ug/L	1	40.0	---	71	80-120%	---	---	Q-55
Isopropylbenzene	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
4-Isopropyltoluene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Methylene chloride	26.9	5.00	10.0	ug/L	1	20.0	---	134	80-120%	---	---	Q-56
4-Methyl-2-pentanone (MiBK)	32.2	5.00	10.0	ug/L	1	40.0	---	80	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	22.8	0.500	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
Naphthalene	12.5	5.00	5.00	ug/L	1	20.0	---	62	80-120%	---	---	Q-55
n-Propylbenzene	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Styrene	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,1,1,2-Tetrachloroethane	23.6	0.200	0.400	ug/L	1	20.0	---	118	80-120%	---	---	
1,1,2,2-Tetrachloroethane	22.0	0.250	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
Tetrachloroethene (PCE)	22.9	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
Toluene	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,2,3-Trichlorobenzene	18.7	1.00	2.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	16.1	1.00	2.00	ug/L	1	20.0	---	80	80-120%	---	---	
1,1,1-Trichloroethane	26.1	0.200	0.400	ug/L	1	20.0	---	130	80-120%	---	---	Q-56
1,1,2-Trichloroethane	23.6	0.250	0.500	ug/L	1	20.0	---	118	80-120%	---	---	
Trichloroethene (TCE)	20.3	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	
Trichlorofluoromethane	31.5	1.00	2.00	ug/L	1	20.0	---	157	80-120%	---	---	Q-56
1,2,3-Trichloropropane	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
1,2,4-Trimethylbenzene	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,3,5-Trimethylbenzene	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	

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Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

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6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C												
Water												
LCS (23L1017-BS1)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 16:01							
Vinyl chloride	21.5	0.100	0.200	ug/L	1	20.0	---	108	80-120%	---	---	Q-56
m,p-Xylene	48.9	0.500	1.00	ug/L	1	40.0	---	122	80-120%	---	---	
o-Xylene	17.8	0.250	0.500	ug/L	1	20.0	---	89	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 104 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		87 %		80-120 %		"						
Duplicate (23L1017-DUP1)												
Prepared: 12/27/23 14:00 Analyzed: 12/28/23 02:13												
TEMP												
QC Source Sample: Non-SDG (A3L1611-01)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	R-02
Acrylonitrile	ND	4.00	4.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	6.65	0.100	0.200	ug/L	1	---	6.75	---	---	1	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

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## Anchor QEA, LLC

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Duplicate (23L1017-DUP1)			Prepared: 12/27/23 14:00		Analyzed: 12/28/23 02:13		TEMP					
QC Source Sample: Non-SDG (A3L1611-01)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	11.6	0.250	0.500	ug/L	1	---	11.7	---	---	0.4	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	0.710	0.250	0.500	ug/L	1	---	0.740	---	---	4	30%	
Styrene	0.840	0.500	1.00	ug/L	1	---	0.830	---	---	1	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	132	0.500	1.00	ug/L	1	---	131	---	---	0.8	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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Project Manager: John Renda

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Duplicate (23L1017-DUP1)			Prepared: 12/27/23 14:00			Analyzed: 12/28/23 02:13			TEMP			
QC Source Sample: Non-SDG (A3L1611-01)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	7.26	0.500	1.00	ug/L	1	---	7.48	---	---	3	30%	
1,3,5-Trimethylbenzene	4.45	0.500	1.00	ug/L	1	---	4.54	---	---	2	30%	
Vinyl chloride	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	75.7	0.500	1.00	ug/L	1	---	76.3	---	---	0.8	30%	Q-54h
o-Xylene	62.5	0.250	0.500	ug/L	1	---	62.5	---	---	0.03	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 107 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		99 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		80-120 %		"						
Duplicate (23L1017-DUP2)			Prepared: 12/27/23 14:00			Analyzed: 12/27/23 23:57			V-13			
QC Source Sample: Non-SDG (A3L1552-01RE1)												
Acetone	ND	50.0	100	ug/L	5	---	ND	---	---	---	30%	
Acrylonitrile	ND	35.0	35.0	ug/L	5	---	ND	---	---	---	30%	R-02
Benzene	396	0.500	1.00	ug/L	5	---	398	---	---	0.6	30%	
Bromobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Bromochloromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Bromodichloromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Bromoform	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Bromomethane	ND	25.0	25.0	ug/L	5	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
n-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Carbon disulfide	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Chlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Chloroethane	ND	25.0	25.0	ug/L	5	---	ND	---	---	---	30%	
Chloroform	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Chloromethane	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Duplicate (23L1017-DUP2)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 23:57		V-13					
QC Source Sample: Non-SDG (A3L1552-01RE1)												
4-Chlorotoluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Dibromochloromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Dibromomethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Ethylbenzene	61.4	1.25	2.50	ug/L	5	---	61.9	---	---	0.7	30%	
Hexachlorobutadiene	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%	
2-Hexanone	ND	50.0	50.0	ug/L	5	---	ND	---	---	---	30%	
Isopropylbenzene	3.90	2.50	5.00	ug/L	5	---	3.65	---	---	7	30%	J
4-Isopropyltoluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Methylene chloride	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	33.4	2.50	5.00	ug/L	5	---	32.8	---	---	2	30%	
Naphthalene	29.9	25.0	25.0	ug/L	5	---	28.8	---	---	4	30%	Q-54u
n-Propylbenzene	9.55	1.25	2.50	ug/L	5	---	9.60	---	---	0.5	30%	
Styrene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Duplicate (23L1017-DUP2)			Prepared: 12/27/23 14:00		Analyzed: 12/27/23 23:57						V-13	
QC Source Sample: Non-SDG (A3L1552-01RE1)												
Tetrachloroethene (PCE)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	Q-54h
Toluene	6.45	2.50	5.00	ug/L	5	---	6.25	---	---	3	30%	
1,2,3-Trichlorobenzene	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	207	2.50	5.00	ug/L	5	---	208	---	---	0.1	30%	
1,3,5-Trimethylbenzene	31.6	2.50	5.00	ug/L	5	---	30.0	---	---	5	30%	
Vinyl chloride	ND	0.500	1.00	ug/L	5	---	ND	---	---	---	30%	
m,p-Xylene	127	2.50	5.00	ug/L	5	---	127	---	---	0.5	30%	
o-Xylene	7.40	1.25	2.50	ug/L	5	---	7.20	---	---	3	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 109 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		85 %		80-120 %		"						

## Matrix Spike (23L1017-MS1)

Prepared: 12/27/23 14:00 Analyzed: 12/28/23 01:05

## QC Source Sample: Non-SDG (A3L1565-10RE1)

EPA 8260D												
Acetone	57.1	10.0	20.0	ug/L	1	40.0	ND	143	39-160%	---	---	
Acrylonitrile	23.3	2.00	2.00	ug/L	1	20.0	ND	117	63-135%	---	---	Q-54y
Benzene	23.8	0.100	0.200	ug/L	1	20.0	ND	115	79-120%	---	---	
Bromobenzene	20.3	0.250	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
Bromochloromethane	22.2	0.500	1.00	ug/L	1	20.0	ND	111	78-123%	---	---	
Bromodichloromethane	23.9	0.500	1.00	ug/L	1	20.0	ND	120	79-125%	---	---	
Bromoform	25.1	0.500	1.00	ug/L	1	20.0	ND	125	66-130%	---	---	Q-54r
Bromomethane	25.2	5.00	5.00	ug/L	1	20.0	ND	126	53-141%	---	---	Q-54k
2-Butanone (MEK)	42.8	5.00	10.0	ug/L	1	40.0	ND	107	56-143%	---	---	
n-Butylbenzene	24.8	0.500	1.00	ug/L	1	20.0	ND	124	75-128%	---	---	
sec-Butylbenzene	26.1	0.500	1.00	ug/L	1	20.0	0.780	126	77-126%	---	---	
tert-Butylbenzene	21.0	0.500	1.00	ug/L	1	20.0	ND	105	78-124%	---	---	

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# ANALYTICAL REPORT

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6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Matrix Spike (23L1017-MS1)			Prepared: 12/27/23 14:00		Analyzed: 12/28/23 01:05							
QC Source Sample: Non-SDG (A3L1565-10RE1)												
Carbon disulfide	26.6	5.00	10.0	ug/L	1	20.0	ND	133	64-133%	---	---	Q-54p
Carbon tetrachloride	28.5	0.500	1.00	ug/L	1	20.0	ND	142	72-136%	---	---	Q-54g
Chlorobenzene	22.7	0.250	0.500	ug/L	1	20.0	ND	113	80-120%	---	---	
Chloroethane	26.7	5.00	5.00	ug/L	1	20.0	ND	134	60-138%	---	---	Q-54s
Chloroform	25.2	0.500	1.00	ug/L	1	20.0	ND	126	79-124%	---	---	Q-54q
Chloromethane	20.5	2.50	5.00	ug/L	1	20.0	ND	102	50-139%	---	---	
2-Chlorotoluene	20.3	0.500	1.00	ug/L	1	20.0	ND	101	79-122%	---	---	
4-Chlorotoluene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	78-122%	---	---	
Dibromochloromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	74-126%	---	---	
1,2-Dibromo-3-chloropropane	20.1	2.50	5.00	ug/L	1	20.0	ND	101	62-128%	---	---	
1,2-Dibromoethane (EDB)	21.9	0.250	0.500	ug/L	1	20.0	ND	110	77-121%	---	---	
Dibromomethane	24.2	0.500	1.00	ug/L	1	20.0	ND	121	79-123%	---	---	
1,2-Dichlorobenzene	21.7	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	---	---	
1,3-Dichlorobenzene	22.6	0.250	0.500	ug/L	1	20.0	ND	113	80-120%	---	---	
1,4-Dichlorobenzene	21.4	0.250	0.500	ug/L	1	20.0	ND	107	79-120%	---	---	
Dichlorodifluoromethane	21.5	0.500	1.00	ug/L	1	20.0	ND	107	32-152%	---	---	
1,1-Dichloroethane	23.8	0.200	0.400	ug/L	1	20.0	ND	119	77-125%	---	---	
1,2-Dichloroethane (EDC)	23.9	0.200	0.400	ug/L	1	20.0	ND	120	73-128%	---	---	
1,1-Dichloroethene	29.4	0.200	0.400	ug/L	1	20.0	ND	147	71-131%	---	---	Q-54f
cis-1,2-Dichloroethene	20.0	0.200	0.400	ug/L	1	20.0	ND	100	78-123%	---	---	
trans-1,2-Dichloroethene	26.3	0.200	0.400	ug/L	1	20.0	ND	132	75-124%	---	---	Q-54b
1,2-Dichloropropane	21.1	0.250	0.500	ug/L	1	20.0	ND	106	78-122%	---	---	
1,3-Dichloropropane	20.1	0.500	1.00	ug/L	1	20.0	ND	101	80-120%	---	---	
2,2-Dichloropropane	23.3	0.500	1.00	ug/L	1	20.0	ND	116	60-139%	---	---	Q-54c
1,1-Dichloropropene	23.8	0.500	1.00	ug/L	1	20.0	ND	119	79-125%	---	---	
cis-1,3-Dichloropropene	15.2	0.500	1.00	ug/L	1	20.0	ND	76	75-124%	---	---	
trans-1,3-Dichloropropene	22.3	0.500	1.00	ug/L	1	20.0	ND	112	73-127%	---	---	
Ethylbenzene	22.9	0.250	0.500	ug/L	1	20.0	0.270	113	79-121%	---	---	
Hexachlorobutadiene	24.4	2.50	5.00	ug/L	1	20.0	ND	122	66-134%	---	---	
2-Hexanone	33.2	10.0	10.0	ug/L	1	40.0	ND	83	57-139%	---	---	Q-54ab
Isopropylbenzene	25.0	0.500	1.00	ug/L	1	20.0	0.850	121	72-131%	---	---	
4-Isopropyltoluene	21.8	0.500	1.00	ug/L	1	20.0	ND	109	77-127%	---	---	
Methylene chloride	26.5	5.00	10.0	ug/L	1	20.0	ND	132	74-124%	---	---	Q-54e

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Darwin Thomas, Business Development Director

Page 54 of 88



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6700 S.W. Sandburg Street

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1017 - EPA 5030C						Water						
Matrix Spike (23L1017-MS1)			Prepared: 12/27/23 14:00		Analyzed: 12/28/23 01:05							
QC Source Sample: Non-SDG (A3L1565-10RE1)												
4-Methyl-2-pentanone (MiBK)	36.3	5.00	10.0	ug/L	1	40.0	ND	91	67-130%	---	---	Q-54u
Methyl tert-butyl ether (MTBE)	23.6	0.500	1.00	ug/L	1	20.0	ND	118	71-124%	---	---	
Naphthalene	23.2	5.00	5.00	ug/L	1	20.0	ND	116	61-128%	---	---	
n-Propylbenzene	24.4	0.250	0.500	ug/L	1	20.0	1.75	113	76-126%	---	---	
Styrene	21.6	0.500	1.00	ug/L	1	20.0	ND	108	78-123%	---	---	
1,1,1,2-Tetrachloroethane	23.1	0.200	0.400	ug/L	1	20.0	ND	116	78-124%	---	---	Q-54a
1,1,2,2-Tetrachloroethane	22.7	0.250	0.500	ug/L	1	20.0	ND	114	71-121%	---	---	
Tetrachloroethene (PCE)	24.1	0.200	0.400	ug/L	1	20.0	ND	120	74-129%	---	---	
Toluene	21.8	0.500	1.00	ug/L	1	20.0	ND	109	80-121%	---	---	
1,2,3-Trichlorobenzene	23.6	1.00	2.00	ug/L	1	20.0	ND	118	69-129%	---	---	
1,2,4-Trichlorobenzene	25.4	1.00	2.00	ug/L	1	20.0	ND	127	69-130%	---	---	Q-54l
1,1,1-Trichloroethane	26.6	0.200	0.400	ug/L	1	20.0	ND	133	74-131%	---	---	
1,1,2-Trichloroethane	23.5	0.250	0.500	ug/L	1	20.0	ND	118	80-120%	---	---	
Trichloroethene (TCE)	22.2	0.200	0.400	ug/L	1	20.0	ND	111	79-123%	---	---	
Trichlorofluoromethane	33.8	1.00	2.00	ug/L	1	20.0	ND	169	65-141%	---	---	
1,2,3-Trichloropropane	23.1	0.500	1.00	ug/L	1	20.0	ND	115	73-122%	---	---	Q-54h
1,2,4-Trimethylbenzene	23.3	0.500	1.00	ug/L	1	20.0	ND	117	76-124%	---	---	
1,3,5-Trimethylbenzene	23.1	0.500	1.00	ug/L	1	20.0	ND	116	75-124%	---	---	
Vinyl chloride	23.2	0.100	0.200	ug/L	1	20.0	ND	116	58-137%	---	---	
m,p-Xylene	50.1	0.500	1.00	ug/L	1	40.0	ND	125	80-121%	---	---	
o-Xylene	19.1	0.250	0.500	ug/L	1	20.0	ND	96	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 106 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		92 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		88 %		80-120 %		"						

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## ANALYTICAL REPORT

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Blank (23L1060-BLK1)			Prepared: 12/28/23 11:40		Analyzed: 12/28/23 14:52							
EPA 8260D												
Acetone	ND	20.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	10.0	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

## Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Blank (23L1060-BLK1)						Prepared: 12/28/23 11:40 Analyzed: 12/28/23 14:52						
1,2-Dichloropropane	ND	0.500	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 101 % Limits: 80-120 % Dilution: 1x												

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

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Portland, OR 97219

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Blank (23L1060-BLK1)			Prepared: 12/28/23 11:40		Analyzed: 12/28/23 14:52							
Surr: Toluene-d8 (Surr)		Recovery: 94 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		102 %		80-120 %		"						
LCS (23L1060-BS1)			Prepared: 12/28/23 11:40		Analyzed: 12/28/23 13:17							
EPA 8260D												
Acetone	19.2	10.0	20.0	ug/L	1	40.0	---	48	80-120%	---	---	Q-55, J
Acrylonitrile	15.2	1.00	2.00	ug/L	1	20.0	---	76	80-120%	---	---	Q-55
Benzene	17.2	0.100	0.200	ug/L	1	20.0	---	86	80-120%	---	---	
Bromobenzene	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Bromochloromethane	16.5	0.500	1.00	ug/L	1	20.0	---	82	80-120%	---	---	
Bromodichloromethane	20.7	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Bromoform	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Bromomethane	31.6	5.00	5.00	ug/L	1	20.0	---	158	80-120%	---	---	Q-56
2-Butanone (MEK)	23.7	10.0	10.0	ug/L	1	40.0	---	59	80-120%	---	---	Q-55
n-Butylbenzene	17.5	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
sec-Butylbenzene	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
tert-Butylbenzene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Carbon disulfide	20.9	5.00	10.0	ug/L	1	20.0	---	105	80-120%	---	---	
Carbon tetrachloride	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Chlorobenzene	18.9	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Chloroethane	32.0	5.00	5.00	ug/L	1	20.0	---	160	80-120%	---	---	Q-56
Chloroform	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Chloromethane	14.6	5.00	5.00	ug/L	1	20.0	---	73	80-120%	---	---	Q-55
2-Chlorotoluene	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
4-Chlorotoluene	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Dibromochloromethane	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2-Dibromo-3-chloropropane	16.2	2.50	5.00	ug/L	1	20.0	---	81	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.7	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Dibromomethane	20.1	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dichlorobenzene	20.1	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,3-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,4-Dichlorobenzene	18.3	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
Dichlorodifluoromethane	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1-Dichloroethane	17.1	0.200	0.400	ug/L	1	20.0	---	85	80-120%	---	---	

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Tigard, OR 97223

503-718-2323

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## Anchor QEA, LLC

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Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
LCS (23L1060-BS1)						Prepared: 12/28/23 11:40 Analyzed: 12/28/23 13:17						
1,2-Dichloroethane (EDC)	19.8	0.200	0.400	ug/L	1	20.0	---	99	80-120%	---	---	
1,1-Dichloroethene	18.8	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
cis-1,2-Dichloroethene	16.9	0.200	0.400	ug/L	1	20.0	---	84	80-120%	---	---	
trans-1,2-Dichloroethene	16.8	0.200	0.400	ug/L	1	20.0	---	84	80-120%	---	---	
1,2-Dichloropropane	15.0	0.500	0.500	ug/L	1	20.0	---	75	80-120%	---	---	Q-55
1,3-Dichloropropane	18.5	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
2,2-Dichloropropane	29.1	0.500	1.00	ug/L	1	20.0	---	145	80-120%	---	---	Q-56
1,1-Dichloropropene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
cis-1,3-Dichloropropene	17.4	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
trans-1,3-Dichloropropene	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Ethylbenzene	20.1	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Hexachlorobutadiene	23.7	2.50	5.00	ug/L	1	20.0	---	118	80-120%	---	---	
2-Hexanone	26.4	10.0	10.0	ug/L	1	40.0	---	66	80-120%	---	---	Q-55
Isopropylbenzene	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
4-Isopropyltoluene	18.1	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
Methylene chloride	17.5	5.00	10.0	ug/L	1	20.0	---	87	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	34.1	5.00	10.0	ug/L	1	40.0	---	85	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	23.0	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
Naphthalene	16.1	2.50	5.00	ug/L	1	20.0	---	80	80-120%	---	---	
n-Propylbenzene	19.0	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Styrene	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,1,1,2-Tetrachloroethane	23.0	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
1,1,2,2-Tetrachloroethane	16.3	0.250	0.500	ug/L	1	20.0	---	81	80-120%	---	---	
Tetrachloroethene (PCE)	22.4	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	
Toluene	18.1	0.500	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,2,3-Trichlorobenzene	23.0	1.00	2.00	ug/L	1	20.0	---	115	80-120%	---	---	
1,2,4-Trichlorobenzene	20.1	1.00	2.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,1,1-Trichloroethane	23.8	0.200	0.400	ug/L	1	20.0	---	119	80-120%	---	---	
1,1,2-Trichloroethane	18.9	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Trichloroethene (TCE)	18.7	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
Trichlorofluoromethane	33.1	1.00	2.00	ug/L	1	20.0	---	166	80-120%	---	---	Q-56
1,2,3-Trichloropropane	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
1,2,4-Trimethylbenzene	18.8	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
1,3,5-Trimethylbenzene	20.8	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	

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Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
LCS (23L1060-BS1)						Prepared: 12/28/23 11:40 Analyzed: 12/28/23 13:17						
Vinyl chloride	16.0	0.100	0.200	ug/L	1	20.0	---	80	80-120%	---	---	
m,p-Xylene	42.6	0.500	1.00	ug/L	1	40.0	---	106	80-120%	---	---	
o-Xylene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)				Recovery: 93 %	Limits: 80-120 %	Dilution: 1x						
Toluene-d8 (Surr)				93 %	80-120 %	"						
4-Bromofluorobenzene (Surr)				102 %	80-120 %	"						

## Duplicate (23L1060-DUP1)

Prepared: 12/28/23 12:30 Analyzed: 12/29/23 00:22

## QC Source Sample: Non-SDG (A3L1491-09)

Acetone	ND	100	100	ug/L	5	---	ND	---	---	---	30%
Acrylonitrile	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%
Benzene	166	0.500	1.00	ug/L	5	---	162	---	---	3	30%
Bromobenzene	2.75	1.25	2.50	ug/L	5	---	2.55	---	---	8	30%
Bromochloromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
Bromodichloromethane	11.8	2.50	5.00	ug/L	5	---	11.6	---	---	0.9	30%
Bromoform	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
Bromomethane	ND	25.0	25.0	ug/L	5	---	ND	---	---	---	30%
2-Butanone (MEK)	ND	50.0	50.0	ug/L	5	---	ND	---	---	---	30%
n-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
sec-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
tert-Butylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
Carbon disulfide	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%
Carbon tetrachloride	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
Chlorobenzene	86.0	1.25	2.50	ug/L	5	---	83.8	---	---	3	30%
Chloroethane	ND	25.0	25.0	ug/L	5	---	ND	---	---	---	30%
Chloroform	87.0	2.50	5.00	ug/L	5	---	84.5	---	---	3	30%
Chloromethane	ND	25.0	25.0	ug/L	5	---	ND	---	---	---	30%
2-Chlorotoluene	5.55	2.50	5.00	ug/L	5	---	5.75	---	---	4	30%
4-Chlorotoluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
Dibromochloromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
1,2-Dibromo-3-chloropropane	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%
1,2-Dibromoethane (EDB)	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%
Dibromomethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%
1,2-Dichlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%

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Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Duplicate (23L1060-DUP1)			Prepared: 12/28/23 12:30		Analyzed: 12/29/23 00:22							
QC Source Sample: Non-SDG (A3L1491-09)												
1,3-Dichlorobenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	J
1,4-Dichlorobenzene	2.00	1.25	2.50	ug/L	5	---	1.95	---	---	3	30%	
Dichlorodifluoromethane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	2.50	2.50	ug/L	5	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Ethylbenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%	
2-Hexanone	ND	50.0	50.0	ug/L	5	---	ND	---	---	---	30%	
Isopropylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Methylene chloride	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	25.0	50.0	ug/L	5	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Naphthalene	ND	12.5	25.0	ug/L	5	---	ND	---	---	---	30%	
n-Propylbenzene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Styrene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
Toluene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C							Water					
Duplicate (23L1060-DUP1)			Prepared: 12/28/23 12:30   Analyzed: 12/29/23 00:22									
QC Source Sample: Non-SDG (A3L1491-09)												
Trichloroethene (TCE)	ND	1.00	2.00	ug/L	5	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	5.00	10.0	ug/L	5	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.500	1.00	ug/L	5	---	ND	---	---	---	30%	
m,p-Xylene	ND	2.50	5.00	ug/L	5	---	ND	---	---	---	30%	
o-Xylene	ND	1.25	2.50	ug/L	5	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 91 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		93 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		101 %		80-120 %		"						

## Matrix Spike (23L1060-MS1)

Prepared: 12/28/23 12:30 Analyzed: 12/29/23 01:16

QC Source Sample: Non-SDG (A3L1409-01)

## EPA 8260D

Acetone	40.6	20.0	20.0	ug/L	1	40.0	24.2	41	39-160%	---	---	Q-54x
Acrylonitrile	16.2	1.00	2.00	ug/L	1	20.0	ND	81	63-135%	---	---	
Benzene	19.5	0.100	0.200	ug/L	1	20.0	ND	98	79-120%	---	---	
Bromobenzene	21.0	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
Bromochloromethane	18.5	0.500	1.00	ug/L	1	20.0	ND	92	78-123%	---	---	
Bromodichloromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
Bromoform	22.9	0.500	1.00	ug/L	1	20.0	ND	114	66-130%	---	---	
Bromomethane	34.9	5.00	5.00	ug/L	1	20.0	ND	174	53-141%	---	---	Q-54m
2-Butanone (MEK)	26.3	10.0	10.0	ug/L	1	40.0	ND	66	56-143%	---	---	Q-54w
n-Butylbenzene	17.2	0.500	1.00	ug/L	1	20.0	ND	86	75-128%	---	---	
sec-Butylbenzene	18.5	0.500	1.00	ug/L	1	20.0	ND	92	77-126%	---	---	
tert-Butylbenzene	21.1	0.500	1.00	ug/L	1	20.0	ND	105	78-124%	---	---	
Carbon disulfide	24.3	5.00	10.0	ug/L	1	20.0	ND	121	64-133%	---	---	
Carbon tetrachloride	27.8	0.500	1.00	ug/L	1	20.0	ND	139	72-136%	---	---	Q-01
Chlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Chloroethane	35.6	5.00	5.00	ug/L	1	20.0	ND	178	60-138%	---	---	Q-54n
Chloroform	21.6	0.500	1.00	ug/L	1	20.0	ND	108	79-124%	---	---	
Chloromethane	17.2	5.00	5.00	ug/L	1	20.0	ND	86	50-139%	---	---	Q-54aa

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## ANALYTICAL REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Matrix Spike (23L1060-MS1)			Prepared: 12/28/23 12:30		Analyzed: 12/29/23 01:16							
QC Source Sample: Non-SDG (A3L1409-01)												
2-Chlorotoluene	21.7	0.500	1.00	ug/L	1	20.0	ND	109	79-122%	---	---	
4-Chlorotoluene	20.9	0.500	1.00	ug/L	1	20.0	ND	105	78-122%	---	---	
Dibromochloromethane	21.7	0.500	1.00	ug/L	1	20.0	ND	108	74-126%	---	---	
1,2-Dibromo-3-chloropropane	17.6	2.50	5.00	ug/L	1	20.0	ND	88	62-128%	---	---	
1,2-Dibromoethane (EDB)	22.6	0.250	0.500	ug/L	1	20.0	ND	113	77-121%	---	---	
Dibromomethane	21.4	0.500	1.00	ug/L	1	20.0	ND	107	79-123%	---	---	
1,2-Dichlorobenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	---	---	
1,3-Dichlorobenzene	21.4	0.250	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
1,4-Dichlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	ND	98	79-120%	---	---	
Dichlorodifluoromethane	26.4	0.500	1.00	ug/L	1	20.0	ND	132	32-152%	---	---	
1,1-Dichloroethane	19.2	0.200	0.400	ug/L	1	20.0	ND	96	77-125%	---	---	
1,2-Dichloroethane (EDC)	21.6	0.200	0.400	ug/L	1	20.0	ND	108	73-128%	---	---	
1,1-Dichloroethene	22.1	0.200	0.400	ug/L	1	20.0	ND	111	71-131%	---	---	
cis-1,2-Dichloroethene	19.5	0.200	0.400	ug/L	1	20.0	ND	97	78-123%	---	---	
trans-1,2-Dichloroethene	19.9	0.200	0.400	ug/L	1	20.0	ND	100	75-124%	---	---	
1,2-Dichloropropane	16.8	0.500	0.500	ug/L	1	20.0	ND	84	78-122%	---	---	Q-54z
1,3-Dichloropropane	19.8	0.500	1.00	ug/L	1	20.0	ND	99	80-120%	---	---	
2,2-Dichloropropane	29.1	0.500	1.00	ug/L	1	20.0	ND	146	60-139%	---	---	Q-54j
1,1-Dichloropropene	23.7	0.500	1.00	ug/L	1	20.0	ND	119	79-125%	---	---	
cis-1,3-Dichloropropene	16.8	0.500	1.00	ug/L	1	20.0	ND	84	75-124%	---	---	
trans-1,3-Dichloropropene	20.8	0.500	1.00	ug/L	1	20.0	ND	104	73-127%	---	---	
Ethylbenzene	22.1	0.250	0.500	ug/L	1	20.0	ND	111	79-121%	---	---	
Hexachlorobutadiene	17.3	2.50	5.00	ug/L	1	20.0	ND	87	66-134%	---	---	
2-Hexanone	28.4	10.0	10.0	ug/L	1	40.0	ND	71	57-139%	---	---	Q-54t
Isopropylbenzene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	72-131%	---	---	
4-Isopropyltoluene	18.8	0.500	1.00	ug/L	1	20.0	ND	94	77-127%	---	---	
Methylene chloride	18.9	5.00	10.0	ug/L	1	20.0	ND	94	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	39.6	5.00	10.0	ug/L	1	40.0	ND	99	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	25.1	0.500	1.00	ug/L	1	20.0	ND	125	71-124%	---	---	Q-01
Naphthalene	18.0	2.50	5.00	ug/L	1	20.0	ND	90	61-128%	---	---	
n-Propylbenzene	20.4	0.250	0.500	ug/L	1	20.0	ND	102	76-126%	---	---	
Styrene	19.5	0.500	1.00	ug/L	1	20.0	ND	97	78-123%	---	---	
1,1,1,2-Tetrachloroethane	25.2	0.200	0.400	ug/L	1	20.0	ND	126	78-124%	---	---	Q-01

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1060 - EPA 5030C						Water						
Matrix Spike (23L1060-MS1)			Prepared: 12/28/23 12:30		Analyzed: 12/29/23 01:16							
QC Source Sample: Non-SDG (A3L1409-01)												
1,1,2,2-Tetrachloroethane	18.8	0.250	0.500	ug/L	1	20.0	ND	94	71-121%	---	---	Q-01
Tetrachloroethene (PCE)	24.5	0.200	0.400	ug/L	1	20.0	ND	122	74-129%	---	---	
Toluene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	80-121%	---	---	
1,2,3-Trichlorobenzene	22.8	1.00	2.00	ug/L	1	20.0	ND	114	69-129%	---	---	
1,2,4-Trichlorobenzene	20.4	1.00	2.00	ug/L	1	20.0	ND	102	69-130%	---	---	
1,1,1-Trichloroethane	27.6	0.200	0.400	ug/L	1	20.0	ND	138	74-131%	---	---	Q-540
1,1,2-Trichloroethane	19.9	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
Trichloroethene (TCE)	19.9	0.200	0.400	ug/L	1	20.0	ND	100	79-123%	---	---	
Trichlorofluoromethane	39.3	1.00	2.00	ug/L	1	20.0	ND	197	65-141%	---	---	
1,2,3-Trichloropropane	20.3	0.500	1.00	ug/L	1	20.0	ND	102	73-122%	---	---	
1,2,4-Trimethylbenzene	20.1	0.500	1.00	ug/L	1	20.0	ND	100	76-124%	---	---	
1,3,5-Trimethylbenzene	22.2	0.500	1.00	ug/L	1	20.0	ND	111	75-124%	---	---	
Vinyl chloride	19.8	0.100	0.200	ug/L	1	20.0	ND	99	58-137%	---	---	
m,p-Xylene	46.3	0.500	1.00	ug/L	1	40.0	ND	116	80-121%	---	---	
o-Xylene	22.5	0.250	0.500	ug/L	1	20.0	ND	112	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 94 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		91 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		103 %		80-120 %		"						

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0646 - EPA 3511 (Bottle Extraction)						Water						
Blank (23L0646-BLK1)			Prepared: 12/18/23 07:53		Analyzed: 12/18/23 12:22							
EPA 8270E LVI												
Acenaphthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(b+j)fluoranthene(s)	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 112 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		118 %		80-132 %		"						

## LCS (23L0646-BS1)

Prepared: 12/18/23 07:53 Analyzed: 12/18/23 12:54

## EPA 8270E LVI

Acenaphthene	1.49	0.0160	0.0320	ug/L	1	1.60	---	93	80-120%	---	---
Acenaphthylene	1.59	0.0160	0.0320	ug/L	1	1.60	---	99	80-124%	---	---
Anthracene	1.53	0.0160	0.0320	ug/L	1	1.60	---	96	80-123%	---	---
Benz(a)anthracene	1.57	0.00800	0.0160	ug/L	1	1.60	---	98	80-122%	---	---
Benzo(a)pyrene	1.73	0.00800	0.0160	ug/L	1	1.60	---	108	80-129%	---	---
Benzo(b+j)fluoranthene(s)	1.63	0.00800	0.0160	ug/L	1	1.60	---	102	80-124%	---	---
Benzo(k)fluoranthene	1.65	0.00800	0.0160	ug/L	1	1.60	---	103	80-125%	---	---
Benzo(g,h,i)perylene	1.55	0.0160	0.0320	ug/L	1	1.60	---	97	80-120%	---	---

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Report ID:

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0646 - EPA 3511 (Bottle Extraction)						Water						
LCS (23L0646-BS1)						Prepared: 12/18/23 07:53 Analyzed: 12/18/23 12:54						
Chrysene	1.55	0.00800	0.0160	ug/L	1	1.60	---	97	80-120%	---	---	
Dibenz(a,h)anthracene	1.54	0.00800	0.0160	ug/L	1	1.60	---	96	80-120%	---	---	
Fluoranthene	1.74	0.0160	0.0320	ug/L	1	1.60	---	109	80-126%	---	---	
Fluorene	1.49	0.0160	0.0320	ug/L	1	1.60	---	93	77-127%	---	---	
Indeno(1,2,3-cd)pyrene	1.46	0.00800	0.0160	ug/L	1	1.60	---	91	80-121%	---	---	
1-Methylnaphthalene	1.37	0.0320	0.0640	ug/L	1	1.60	---	86	53-148%	---	---	
2-Methylnaphthalene	1.28	0.0320	0.0640	ug/L	1	1.60	---	80	48-150%	---	---	
Naphthalene	1.48	0.0320	0.0640	ug/L	1	1.60	---	93	78-120%	---	---	
Phenanthrene	1.47	0.0320	0.0640	ug/L	1	1.60	---	92	80-120%	---	---	
Pyrene	1.76	0.0160	0.0320	ug/L	1	1.60	---	110	80-125%	---	---	
Carbazole	1.61	0.0160	0.0320	ug/L	1	1.60	---	101	65-141%	---	---	
Dibenzofuran	1.43	0.0160	0.0320	ug/L	1	1.60	---	89	76-121%	---	---	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 111 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		118 %		80-132 %		"						

## Matrix Spike (23L0646-MS1)

Prepared: 12/18/23 07:53 Analyzed: 12/18/23 13:59

## QC Source Sample: Non-SDG (A3L1275-02)

## EPA 8270E LV1

Acenaphthene	14.4	0.325	0.651	ug/L	20	1.63	6.95	456	80-120%	---	---	Q-02
Acenaphthylene	2.47	1.22	1.22	ug/L	20	1.63	ND	152	80-124%	---	---	Q-02
Anthracene	2.91	0.325	0.651	ug/L	20	1.63	1.63	79	80-123%	---	---	Q-01
Benz(a)anthracene	1.46	0.163	0.325	ug/L	20	1.63	ND	89	80-122%	---	---	
Benzo(a)pyrene	1.38	0.163	0.325	ug/L	20	1.63	ND	85	80-129%	---	---	
Benzo(b+j)fluoranthene(s)	1.41	0.163	0.325	ug/L	20	1.63	ND	86	80-124%	---	---	
Benzo(k)fluoranthene	1.39	0.163	0.325	ug/L	20	1.63	ND	85	80-125%	---	---	
Benzo(g,h,i)perylene	1.68	0.325	0.651	ug/L	20	1.63	0.365	81	80-120%	---	---	
Chrysene	1.55	0.163	0.325	ug/L	20	1.63	ND	95	80-120%	---	---	
Dibenz(a,h)anthracene	1.42	0.163	0.325	ug/L	20	1.63	ND	88	80-120%	---	---	
Fluoranthene	2.83	0.325	0.651	ug/L	20	1.63	1.26	97	80-126%	---	---	
Fluorene	3.87	0.325	0.651	ug/L	20	1.63	2.79	66	77-127%	---	---	Q-03
Indeno(1,2,3-cd)pyrene	1.54	0.163	0.325	ug/L	20	1.63	0.274	78	80-121%	---	---	Q-01
1-Methylnaphthalene	7.99	0.651	1.30	ug/L	20	1.63	6.82	72	53-148%	---	---	
2-Methylnaphthalene	4.33	0.651	1.30	ug/L	20	1.63	3.08	77	48-150%	---	---	
Naphthalene	129	0.651	1.30	ug/L	20	1.63	84.5	2760	78-120%	---	---	Q-03

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Darwin Thomas, Business Development Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0646 - EPA 3511 (Bottle Extraction)							Water					
Matrix Spike (23L0646-MS1)			Prepared: 12/18/23 07:53		Analyzed: 12/18/23 13:59							
QC Source Sample: Non-SDG (A3L1275-02)												
Phenanthrene	6.00	0.651	1.30	ug/L	20	1.63	4.47	94	80-120%	---	---	
Pyrene	2.81	0.325	0.651	ug/L	20	1.63	1.26	96	80-125%	---	---	
Carbazole	10.4	0.325	0.651	ug/L	20	1.63	9.49	55	65-141%	---	---	Q-03
Dibenzofuran	2.51	0.325	0.651	ug/L	20	1.63	1.33	73	76-121%	---	---	Q-01
Surr: Acenaphthylene-d8 (Surr)		Recovery: 80 %		Limits: 78-134 %		Dilution: 20x		S-05				
Benzo(a)pyrene-d12 (Surr)		90 %		80-132 %		"		S-05				

Matrix Spike Dup (23L0646-MSD1) Prepared: 12/18/23 07:53 Analyzed: 12/18/23 14:31

QC Source Sample: Non-SDG (A3L1275-02)												
Acenaphthene	15.3	0.321	0.641	ug/L	20	1.60	6.95	523	80-120%	6	30%	Q-02
Acenaphthylene	2.57	1.20	1.20	ug/L	20	1.60	ND	160	80-124%	4	30%	Q-02
Anthracene	2.97	0.321	0.641	ug/L	20	1.60	1.63	84	80-123%	2	30%	
Benz(a)anthracene	1.48	0.160	0.321	ug/L	20	1.60	ND	93	80-122%	2	30%	
Benzo(a)pyrene	1.40	0.160	0.321	ug/L	20	1.60	ND	88	80-129%	1	30%	
Benzo(b+j)fluoranthene(s)	1.43	0.160	0.321	ug/L	20	1.60	ND	90	80-124%	2	30%	
Benzo(k)fluoranthene	1.31	0.160	0.321	ug/L	20	1.60	ND	82	80-125%	6	30%	
Benzo(g,h,i)perylene	1.64	0.321	0.641	ug/L	20	1.60	0.365	79	80-120%	2	30%	Q-01
Chrysene	1.56	0.160	0.321	ug/L	20	1.60	ND	98	80-120%	0.6	30%	
Dibenz(a,h)anthracene	1.45	0.160	0.321	ug/L	20	1.60	ND	91	80-120%	2	30%	
Fluoranthene	2.94	0.321	0.641	ug/L	20	1.60	1.26	105	80-126%	4	30%	
Fluorene	4.37	0.321	0.641	ug/L	20	1.60	2.79	98	77-127%	12	30%	
Indeno(1,2,3-cd)pyrene	1.56	0.160	0.321	ug/L	20	1.60	0.274	80	80-121%	2	30%	
1-Methylnaphthalene	8.77	0.641	1.28	ug/L	20	1.60	6.82	121	53-148%	9	30%	
2-Methylnaphthalene	4.70	0.641	1.28	ug/L	20	1.60	3.08	101	48-150%	8	30%	
Naphthalene	138	0.641	1.28	ug/L	20	1.60	84.5	3340	78-120%	6	30%	Q-03
Phenanthrene	6.16	0.641	1.28	ug/L	20	1.60	4.47	106	80-120%	3	30%	
Pyrene	2.97	0.321	0.641	ug/L	20	1.60	1.26	107	80-125%	6	30%	
Carbazole	12.0	0.321	0.641	ug/L	20	1.60	9.49	153	65-141%	14	30%	Q-03
Dibenzofuran	2.61	0.321	0.641	ug/L	20	1.60	1.33	80	76-121%	4	30%	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 88 %		Limits: 78-134 %		Dilution: 20x		S-05				
Benzo(a)pyrene-d12 (Surr)		95 %		80-132 %		"		S-05				

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503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0840 - EPA 3511 (Bottle Extraction)						Water						
Blank (23L0840-BLK1)			Prepared: 12/21/23 08:26		Analyzed: 12/21/23 12:27							
EPA 8270E LVI												
Acenaphthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(b+j)fluoranthene(s)	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00800	0.0160	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0320	0.0640	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0160	0.0320	ug/L	1	---	---	---	---	---	---	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 106 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		108 %		80-132 %		"						

## LCS (23L0840-BS1)

Prepared: 12/21/23 08:26 Analyzed: 12/21/23 12:59

## EPA 8270E LVI

Acenaphthene	1.57	0.0160	0.0320	ug/L	1	1.60	---	98	80-120%	---	---
Acenaphthylene	1.63	0.0160	0.0320	ug/L	1	1.60	---	102	80-124%	---	---
Anthracene	1.56	0.0160	0.0320	ug/L	1	1.60	---	98	80-123%	---	---
Benz(a)anthracene	1.58	0.00800	0.0160	ug/L	1	1.60	---	98	80-122%	---	---
Benzo(a)pyrene	1.72	0.00800	0.0160	ug/L	1	1.60	---	107	80-129%	---	---
Benzo(b+j)fluoranthene(s)	1.67	0.00800	0.0160	ug/L	1	1.60	---	104	80-124%	---	---
Benzo(k)fluoranthene	1.66	0.00800	0.0160	ug/L	1	1.60	---	104	80-125%	---	---
Benzo(g,h,i)perylene	1.63	0.0160	0.0320	ug/L	1	1.60	---	102	80-120%	---	---

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6700 S.W. Sandburg Street

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503-718-2323

ORELAP ID: OR100062

## Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0840 - EPA 3511 (Bottle Extraction)						Water						
LCS (23L0840-BS1)			Prepared: 12/21/23 08:26		Analyzed: 12/21/23 12:59							
Chrysene	1.63	0.00800	0.0160	ug/L	1	1.60	---	102	80-120%	---	---	
Dibenz(a,h)anthracene	1.58	0.00800	0.0160	ug/L	1	1.60	---	99	80-120%	---	---	
Fluoranthene	1.79	0.0160	0.0320	ug/L	1	1.60	---	112	80-126%	---	---	
Fluorene	1.59	0.0160	0.0320	ug/L	1	1.60	---	99	77-127%	---	---	
Indeno(1,2,3-cd)pyrene	1.51	0.00800	0.0160	ug/L	1	1.60	---	94	80-121%	---	---	
1-Methylnaphthalene	1.74	0.0320	0.0640	ug/L	1	1.60	---	109	53-148%	---	---	
2-Methylnaphthalene	1.62	0.0320	0.0640	ug/L	1	1.60	---	101	48-150%	---	---	
Naphthalene	1.56	0.0320	0.0640	ug/L	1	1.60	---	97	78-120%	---	---	
Phenanthrene	1.52	0.0320	0.0640	ug/L	1	1.60	---	95	80-120%	---	---	
Pyrene	1.81	0.0160	0.0320	ug/L	1	1.60	---	113	80-125%	---	---	
Carbazole	1.57	0.0160	0.0320	ug/L	1	1.60	---	98	65-141%	---	---	
Dibenzofuran	1.49	0.0160	0.0320	ug/L	1	1.60	---	93	76-121%	---	---	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 109 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		112 %		80-132 %		"						

LCS Dup (23L0840-BSD1)				Prepared: 12/21/23 08:26    Analyzed: 12/21/23 13:31								Q-19	
EPA 8270E LVI													
Acenaphthene	1.55	0.0160	0.0320	ug/L	1	1.60	---	97	80-120%	1	30%		
Acenaphthylene	1.63	0.0160	0.0320	ug/L	1	1.60	---	102	80-124%	0.1	30%		
Anthracene	1.58	0.0160	0.0320	ug/L	1	1.60	---	99	80-123%	0.8	30%		
Benz(a)anthracene	1.60	0.00800	0.0160	ug/L	1	1.60	---	100	80-122%	2	30%		
Benzo(a)pyrene	1.75	0.00800	0.0160	ug/L	1	1.60	---	110	80-129%	2	30%		
Benzo(b+j)fluoranthene(s)	1.70	0.00800	0.0160	ug/L	1	1.60	---	106	80-124%	2	30%		
Benzo(k)fluoranthene	1.71	0.00800	0.0160	ug/L	1	1.60	---	107	80-125%	3	30%		
Benzo(g,h,i)perylene	1.64	0.0160	0.0320	ug/L	1	1.60	---	102	80-120%	0.5	30%		
Chrysene	1.64	0.00800	0.0160	ug/L	1	1.60	---	102	80-120%	0.6	30%		
Dibenz(a,h)anthracene	1.62	0.00800	0.0160	ug/L	1	1.60	---	101	80-120%	2	30%		
Fluoranthene	1.81	0.0160	0.0320	ug/L	1	1.60	---	113	80-126%	1	30%		
Fluorene	1.62	0.0160	0.0320	ug/L	1	1.60	---	101	77-127%	2	30%		
Indeno(1,2,3-cd)pyrene	1.52	0.00800	0.0160	ug/L	1	1.60	---	95	80-121%	0.4	30%		
1-Methylnaphthalene	1.70	0.0320	0.0640	ug/L	1	1.60	---	106	53-148%	2	30%		
2-Methylnaphthalene	1.59	0.0320	0.0640	ug/L	1	1.60	---	99	48-150%	2	30%		
Naphthalene	1.51	0.0320	0.0640	ug/L	1	1.60	---	94	78-120%	3	30%		
Phenanthrene	1.53	0.0320	0.0640	ug/L	1	1.60	---	95	80-120%	0.5	30%		

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Project Number: 000029-02.84 T-01.001E

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0840 - EPA 3511 (Bottle Extraction)						Water						
LCS Dup (23L0840-BSD1)			Prepared: 12/21/23 08:26 Analyzed: 12/21/23 13:31								Q-19	
Pyrene	1.86	0.0160	0.0320	ug/L	1	1.60	---	116	80-125%	3	30%	
Carbazole	1.61	0.0160	0.0320	ug/L	1	1.60	---	101	65-141%	2	30%	
Dibenzofuran	1.48	0.0160	0.0320	ug/L	1	1.60	---	93	76-121%	0.2	30%	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 108 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		113 %		80-132 %		"						

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A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1110 - EPA 3015A						Water						
Blank (23L1110-BLK1)			Prepared: 12/29/23 13:11		Analyzed: 01/04/24 00:10							
EPA 6020B												
Aluminum	ND	25.0	50.0	ug/L	1	---	---	---	---	---	---	
Antimony	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Arsenic	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Beryllium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Copper	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Iron	ND	25.0	50.0	ug/L	1	---	---	---	---	---	---	
Lead	ND	0.110	0.200	ug/L	1	---	---	---	---	---	---	
Manganese	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Nickel	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Selenium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Silver	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Thallium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Vanadium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	

## LCS (23L1110-BS1)

Prepared: 12/29/23 13:11 Analyzed: 01/04/24 00:16

EPA 6020B												
Aluminum	2720	25.0	50.0	ug/L	1	2780	---	98	80-120%	---	---	
Antimony	28.3	0.500	1.00	ug/L	1	27.8	---	102	80-120%	---	---	
Arsenic	54.5	0.500	1.00	ug/L	1	55.6	---	98	80-120%	---	---	
Barium	55.0	1.00	2.00	ug/L	1	55.6	---	99	80-120%	---	---	
Beryllium	26.9	0.100	0.200	ug/L	1	27.8	---	97	80-120%	---	---	
Cadmium	54.6	0.100	0.200	ug/L	1	55.6	---	98	80-120%	---	---	
Chromium	52.5	1.00	2.00	ug/L	1	55.6	---	94	80-120%	---	---	
Copper	56.0	1.00	2.00	ug/L	1	55.6	---	101	80-120%	---	---	
Iron	2530	25.0	50.0	ug/L	1	2780	---	91	80-120%	---	---	
Lead	55.0	0.110	0.200	ug/L	1	55.6	---	99	80-120%	---	---	
Manganese	54.1	0.500	1.00	ug/L	1	55.6	---	97	80-120%	---	---	
Mercury	1.13	0.0400	0.0800	ug/L	1	1.11	---	102	80-120%	---	---	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1110 - EPA 3015A						Water						
LCS (23L1110-BS1)						Prepared: 12/29/23 13:11 Analyzed: 01/04/24 00:16						
Nickel	54.8	1.00	2.00	ug/L	1	55.6	---	99	80-120%	---	---	
Selenium	26.8	0.500	1.00	ug/L	1	27.8	---	96	80-120%	---	---	
Silver	30.0	0.100	0.200	ug/L	1	27.8	---	108	80-120%	---	---	Q-41
Thallium	27.5	0.100	0.200	ug/L	1	27.8	---	99	80-120%	---	---	
Vanadium	53.7	1.00	2.00	ug/L	1	55.6	---	97	80-120%	---	---	
Zinc	56.6	2.00	4.00	ug/L	1	55.6	---	102	80-120%	---	---	

## Duplicate (23L1110-DUP1)

Prepared: 12/29/23 13:11 Analyzed: 01/04/24 00:26

QC Source Sample: GS-121423-13 (A3L1311-01)

## EPA 6020B

Aluminum	ND	25.0	50.0	ug/L	1	---	ND	---	---	---	20%	
Antimony	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Arsenic	4.84	0.500	1.00	ug/L	1	---	4.64	---	---	4	20%	
Barium	92.9	1.00	2.00	ug/L	1	---	89.3	---	---	4	20%	
Beryllium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Cadmium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	20%	
Copper	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	20%	
Iron	21600	25.0	50.0	ug/L	1	---	21200	---	---	2	20%	
Lead	ND	0.110	0.200	ug/L	1	---	ND	---	---	---	20%	
Manganese	1350	0.500	1.00	ug/L	1	---	1290	---	---	5	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Nickel	1.31	1.00	2.00	ug/L	1	---	1.28	---	---	2	20%	J
Selenium	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Silver	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Thallium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Vanadium	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	20%	
Zinc	3.02	2.00	4.00	ug/L	1	---	3.45	---	---	13	20%	J

## Matrix Spike (23L1110-MS1)

Prepared: 12/29/23 13:11 Analyzed: 01/04/24 00:32

QC Source Sample: GS-121423-13 (A3L1311-01)

## EPA 6020B

Aluminum	2760	25.0	50.0	ug/L	1	2780	ND	99	75-125%	---	---	
Antimony	30.1	0.500	1.00	ug/L	1	27.8	ND	108	75-125%	---	---	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Anchor QEA, LLC**

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L1110 - EPA 3015A						Water						
Matrix Spike (23L1110-MS1)			Prepared: 12/29/23 13:11		Analyzed: 01/04/24 00:32							
QC Source Sample: GS-121423-13 (A3L1311-01)												
Arsenic	60.1	0.500	1.00	ug/L	1	55.6	4.64	100	75-125%	---	---	Q-41
Barium	146	1.00	2.00	ug/L	1	55.6	89.3	102	75-125%	---	---	
Beryllium	27.9	0.100	0.200	ug/L	1	27.8	ND	101	75-125%	---	---	
Cadmium	56.7	0.100	0.200	ug/L	1	55.6	ND	102	75-125%	---	---	
Chromium	53.6	1.00	2.00	ug/L	1	55.6	ND	96	75-125%	---	---	
Copper	54.7	1.00	2.00	ug/L	1	55.6	ND	98	75-125%	---	---	
Iron	23600	25.0	50.0	ug/L	1	2780	21200	88	75-125%	---	---	
Lead	53.9	0.110	0.200	ug/L	1	55.6	ND	97	75-125%	---	---	
Manganese	1350	0.500	1.00	ug/L	1	55.6	1290	117	75-125%	---	---	
Mercury	1.12	0.0400	0.0800	ug/L	1	1.11	ND	100	75-125%	---	---	
Nickel	55.5	1.00	2.00	ug/L	1	55.6	1.28	98	75-125%	---	---	
Selenium	26.8	0.500	1.00	ug/L	1	27.8	ND	96	75-125%	---	---	
Silver	30.5	0.100	0.200	ug/L	1	27.8	ND	110	75-125%	---	---	
Thallium	27.1	0.100	0.200	ug/L	1	27.8	ND	98	75-125%	---	---	
Vanadium	56.0	1.00	2.00	ug/L	1	55.6	ND	101	75-125%	---	---	
Zinc	57.1	2.00	4.00	ug/L	1	55.6	3.45	96	75-125%	---	---	

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Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Cyanide by Flow Analysis (Aqueous)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0902 - Lachat Micro Dist - aqueous						Water						
Blank (23L0902-BLK1)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 12:56							
<u>EPA 335.4</u>												
Total Cyanide	ND	0.00500	0.00500	mg/L	1	---	---	---	---	---	---	
LCS (23L0902-BS1)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 12:58							
<u>EPA 335.4</u>												
Total Cyanide	0.250	0.00500	0.00500	mg/L	1	0.250	---	100	90-110%	---	---	
Duplicate (23L0902-DUP1)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 13:10							
<u>QC Source Sample: Non-SDG (A3L1208-03RE1)</u>												
Total Cyanide	0.0463	0.00500	0.00500	mg/L	1	---	0.0469	---	---	1	10%	
Matrix Spike (23L0902-MS1)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 13:12							
<u>QC Source Sample: Non-SDG (A3L1208-03RE1)</u>												
<u>EPA 335.4</u>												
Total Cyanide	0.300	0.00500	0.00500	mg/L	1	0.250	0.0469	101	90-110%	---	---	
Matrix Spike (23L0902-MS2)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 13:36							
<u>QC Source Sample: Non-SDG (A3L1275-02)</u>												
<u>EPA 335.4</u>												
Total Cyanide	0.295	0.00500	0.00500	mg/L	1	0.250	0.0431	101	90-110%	---	---	
Matrix Spike Dup (23L0902-MSD2)			Prepared: 12/22/23 09:41		Analyzed: 12/22/23 13:38							
<u>QC Source Sample: Non-SDG (A3L1275-02)</u>												
Total Cyanide	0.301	0.00500	0.00500	mg/L	1	0.250	0.0431	103	90-110%	2	10%	

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****QUALITY CONTROL (QC) SAMPLE RESULTS****Available Cyanide by FIA, Ligand Exchange and Amperometric Detection**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0690 - Method Prep: Aq						Water						
Blank (23L0690-BLK1)			Prepared: 12/18/23 15:08		Analyzed: 12/19/23 12:20							
D6888-09												
Available Cyanide	ND	0.00100	0.00200	mg/L	1	---	---	---	---	---	---	
LCS (23L0690-BS1)			Prepared: 12/18/23 15:08		Analyzed: 12/19/23 12:22							
D6888-09												
Available Cyanide	0.0227	0.00100	0.00200	mg/L	1	0.0250	---	91	90-117%	---	---	
Matrix Spike (23L0690-MS1)			Prepared: 12/18/23 15:08		Analyzed: 12/19/23 12:29							
QC Source Sample: Non-SDG (A3L1275-02)												
D6888-09												
Available Cyanide	0.0212	0.00101	0.00201	mg/L	1	0.0251	ND	84	82-130%	---	---	
Matrix Spike Dup (23L0690-MSD1)			Prepared: 12/18/23 15:08		Analyzed: 12/19/23 12:31							
QC Source Sample: Non-SDG (A3L1275-02)												
Available Cyanide	0.0224	0.00101	0.00201	mg/L	1	0.0251	ND	89	82-130%	6	11%	

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****QUALITY CONTROL (QC) SAMPLE RESULTS****Available Cyanide by FIA, Ligand Exchange and Amperometric Detection**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0945 - Method Prep: Aq						Water						
Blank (23L0945-BLK1)			Prepared: 12/26/23 08:55		Analyzed: 12/26/23 14:37							
D6888-09												
Available Cyanide	ND	0.00100	0.00200	mg/L	1	---	---	---	---	---	---	
LCS (23L0945-BS1)			Prepared: 12/26/23 08:55		Analyzed: 12/26/23 14:39							
D6888-09												
Available Cyanide	0.0262	0.00100	0.00200	mg/L	1	0.0250	---	105	90-117%	---	---	
Matrix Spike (23L0945-MS1)			Prepared: 12/26/23 08:55		Analyzed: 12/26/23 14:46							TEMP
QC Source Sample: Non-SDG (A3L1506-01)												
D6888-09												
Available Cyanide	0.0283	0.00101	0.00201	mg/L	1	0.0251	ND	113	82-130%	---	---	
Matrix Spike Dup (23L0945-MSD1)			Prepared: 12/26/23 08:55		Analyzed: 12/26/23 14:48							TEMP
QC Source Sample: Non-SDG (A3L1506-01)												
Available Cyanide	0.0281	0.00101	0.00201	mg/L	1	0.0251	ND	112	82-130%	0.4	11%	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223  
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ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Free Cyanide by Microdiffusion/Colorimetric Spectrophotometry

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23L0709 - Microdiffusion						Water						
Blank (23L0709-BLK1)			Prepared: 12/19/23 09:49		Analyzed: 12/19/23 14:29							
<u>D4282-02</u>												
Free Cyanide	ND	0.00250	0.00500	mg/L	1	---	---	---	---	---	---	
LCS (23L0709-BS1)			Prepared: 12/19/23 09:49		Analyzed: 12/19/23 14:29							
<u>D4282-02</u>												
Free Cyanide	0.0645	0.00250	0.00500	mg/L	1	0.0667	---	97	74-120%	---	---	
LCS Dup (23L0709-BSD1)			Prepared: 12/19/23 09:49		Analyzed: 12/19/23 14:35							
<u>D4282-02</u>												
Free Cyanide	0.0638	0.00250	0.00500	mg/L	1	0.0667	---	96	74-120%	1	20%	
Matrix Spike (23L0709-MS1)			Prepared: 12/19/23 09:49		Analyzed: 12/19/23 14:53							
<u>QC Source Sample: Non-SDG (A3L1275-02)</u>												
<u>D4282-02</u>												
Free Cyanide	0.0654	0.00250	0.00500	mg/L	1	0.0667	ND	98	74-120%	---	---	
Matrix Spike Dup (23L0709-MSD1)			Prepared: 12/19/23 09:49		Analyzed: 12/19/23 14:53							
<u>QC Source Sample: Non-SDG (A3L1275-02)</u>												
Free Cyanide	0.0645	0.00250	0.00500	mg/L	1	0.0667	ND	97	74-120%	1	20%	

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ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****SAMPLE PREPARATION INFORMATION****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23L0980							
A3L1311-01	WG	NWTPH-Dx	12/14/23 09:55	12/27/23 09:57	1040mL/5mL	1000mL/5mL	0.96
A3L1311-02	WG	NWTPH-Dx	12/14/23 10:15	12/27/23 09:57	1020mL/5mL	1000mL/5mL	0.98
A3L1311-03	WG	NWTPH-Dx	12/14/23 11:30	12/27/23 09:57	1040mL/5mL	1000mL/5mL	0.96
A3L1311-04	WG	NWTPH-Dx	12/14/23 12:20	12/27/23 09:57	1010mL/5mL	1000mL/5mL	0.99
A3L1311-05	WG	NWTPH-Dx	12/14/23 13:45	12/27/23 09:57	980mL/5mL	1000mL/5mL	1.02
A3L1311-06	WG	NWTPH-Dx	12/14/23 15:05	12/27/23 09:57	1040mL/5mL	1000mL/5mL	0.96

**Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx**

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23L0909							
A3L1311-02	WG	NWTPH-Gx (MS)	12/14/23 10:15	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
A3L1311-05	WG	NWTPH-Gx (MS)	12/14/23 13:45	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
A3L1311-06	WG	NWTPH-Gx (MS)	12/14/23 15:05	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
Batch: 23L1017							
A3L1311-01RE1	WG	NWTPH-Gx (MS)	12/14/23 09:55	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00
A3L1311-03RE1	WG	NWTPH-Gx (MS)	12/14/23 11:30	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00
A3L1311-04RE1	WG	NWTPH-Gx (MS)	12/14/23 12:20	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00

**Volatile Organic Compounds by EPA 8260D**

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23L0909							
A3L1311-02	WG	EPA 8260D	12/14/23 10:15	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
A3L1311-05	WG	EPA 8260D	12/14/23 13:45	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
A3L1311-06	WG	EPA 8260D	12/14/23 15:05	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
A3L1311-07	W	EPA 8260D	12/14/23 15:45	12/22/23 10:41	5mL/5mL	5mL/5mL	1.00
Batch: 23L1017							
A3L1311-01RE1	WG	EPA 8260D	12/14/23 09:55	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00
A3L1311-03RE1	WG	EPA 8260D	12/14/23 11:30	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00
A3L1311-04RE1	WG	EPA 8260D	12/14/23 12:20	12/27/23 16:35	5mL/5mL	5mL/5mL	1.00
Batch: 23L1060							
A3L1311-01RE2	WG	EPA 8260D	12/14/23 09:55	12/28/23 12:30	5mL/5mL	5mL/5mL	1.00

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ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****SAMPLE PREPARATION INFORMATION****Volatile Organic Compounds by EPA 8260D****Prep: EPA 5030C**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
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**Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (Large Volume Injection)****Prep: EPA 3511 (Bottle Extraction)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
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**Batch: 23L0646**

A3L1311-01	WG	EPA 8270E LVI	12/14/23 09:55	12/18/23 07:53	102.16mL/5mL	125mL/5mL	1.22
A3L1311-02RE1	WG	EPA 8270E LVI	12/14/23 10:15	12/18/23 07:53	114.11mL/5mL	125mL/5mL	1.10
A3L1311-03	WG	EPA 8270E LVI	12/14/23 11:30	12/18/23 07:53	106mL/5mL	125mL/5mL	1.18
A3L1311-03RE1	WG	EPA 8270E LVI	12/14/23 11:30	12/18/23 07:53	106mL/5mL	125mL/5mL	1.18
A3L1311-05	WG	EPA 8270E LVI	12/14/23 13:45	12/18/23 07:53	122.82mL/5mL	125mL/5mL	1.02
A3L1311-06	WG	EPA 8270E LVI	12/14/23 15:05	12/18/23 07:53	105.28mL/5mL	125mL/5mL	1.19

**Batch: 23L0840**

A3L1311-04RE2	WG	EPA 8270E LVI	12/14/23 12:20	12/21/23 08:26	119.6mL/5mL	125mL/5mL	1.05
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**Total Metals by EPA 6020B (ICPMS)****Prep: EPA 3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
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**Batch: 23L1110**

A3L1311-01	WG	EPA 6020B	12/14/23 09:55	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-02	WG	EPA 6020B	12/14/23 10:15	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-03	WG	EPA 6020B	12/14/23 11:30	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-03RE1	WG	EPA 6020B	12/14/23 11:30	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-04	WG	EPA 6020B	12/14/23 12:20	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-05	WG	EPA 6020B	12/14/23 13:45	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00
A3L1311-06	WG	EPA 6020B	12/14/23 15:05	12/29/23 13:11	45mL/50mL	45mL/50mL	1.00

**Total Cyanide by Flow Analysis (Aqueous)****Prep: Lachat Micro Dist - aqueous**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
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**Batch: 23L0902**

A3L1311-01	WG	EPA 335.4	12/14/23 09:55	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00
A3L1311-02	WG	EPA 335.4	12/14/23 10:15	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00
A3L1311-03	WG	EPA 335.4	12/14/23 11:30	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00
A3L1311-04	WG	EPA 335.4	12/14/23 12:20	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00

Apex Laboratories

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Darwin Thomas, Business Development Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anchor QEA, LLC**6720 SW Macadam Ave. Suite 125  
Portland, OR 97219Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3L1311 - 03 06 24 0937****SAMPLE PREPARATION INFORMATION****Total Cyanide by Flow Analysis (Aqueous)****Prep: Lachat Micro Dist - aqueous**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A3L1311-05	WG	EPA 335.4	12/14/23 13:45	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00
A3L1311-06	WG	EPA 335.4	12/14/23 15:05	12/22/23 09:41	6mL/6mL	6mL/6mL	1.00

**Available Cyanide by FIA, Ligand Exchange and Amperometric Detection****Prep: Method Prep: Aq**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 23L0690</b>							
A3L1311-01	WG	D6888-09	12/14/23 09:55	12/18/23 15:08	5mL/5mL	5mL/5mL	1.00
<b>Batch: 23L0945</b>							
A3L1311-02RE1	WG	D6888-09	12/14/23 10:15	12/26/23 08:55	5mL/5mL	5mL/5mL	1.00
A3L1311-03RE1	WG	D6888-09	12/14/23 11:30	12/26/23 08:55	5mL/5mL	5mL/5mL	1.00
A3L1311-04RE1	WG	D6888-09	12/14/23 12:20	12/26/23 08:55	5mL/5mL	5mL/5mL	1.00
A3L1311-05RE1	WG	D6888-09	12/14/23 13:45	12/26/23 08:55	5mL/5mL	5mL/5mL	1.00
A3L1311-06RE1	WG	D6888-09	12/14/23 15:05	12/26/23 08:55	5mL/5mL	5mL/5mL	1.00

**Free Cyanide by Microdiffusion/Colorimetric Spectrophotometry****Prep: Microdiffusion**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 23L0709</b>							
A3L1311-01	WG	D4282-02	12/14/23 09:55	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00
A3L1311-02	WG	D4282-02	12/14/23 10:15	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00
A3L1311-03	WG	D4282-02	12/14/23 11:30	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00
A3L1311-04	WG	D4282-02	12/14/23 12:20	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00
A3L1311-05	WG	D4282-02	12/14/23 13:45	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00
A3L1311-06	WG	D4282-02	12/14/23 15:05	12/19/23 09:49	3mL/3mL	3mL/3mL	1.00

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## ANALYTICAL REPORT

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Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

## QUALIFIER DEFINITIONS

### Client Sample and Quality Control (QC) Sample Qualifier Definitions:

#### Apex Laboratories

- DCNT** Sample decanted due to the presence of sediment. Sample bottle not rinsed with solvent.
- F-03** The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
- F-12** The result for this hydrocarbon range is primarily due to the presence of individual analyte peaks in the quantitation range. No fuel pattern detected.
- F-13** The chromatographic pattern does not resemble the fuel standard used for quantitation
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-04** Due to matrix interference, this analyte cannot be accurately quantified. The reported result may contain a high bias.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-02** Spike recovery is outside of established control limits due to matrix interference.
- Q-03** Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
- Q-54a** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +10%. The results are reported as Estimated Values.
- Q-54aa** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -7%. The results are reported as Estimated Values.
- Q-54ab** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -9%. The results are reported as Estimated Values.
- Q-54b** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +11%. The results are reported as Estimated Values.
- Q-54c** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +12%. The results are reported as Estimated Values.
- Q-54d** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +13%. The results are reported as Estimated Values.
- Q-54e** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +14%. The results are reported as Estimated Values.

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Project: **Gasco-MGP Only Mon.Wells 4Q 2023 Perf. Mon**

Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

- Q-54f** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +17%. The results are reported as Estimated Values.
- Q-54g** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +18%. The results are reported as Estimated Values.
- Q-54h** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +2%. The results are reported as Estimated Values.
- Q-54i** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +20%. The results are reported as Estimated Values.
- Q-54j** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +25%. The results are reported as Estimated Values.
- Q-54k** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +3%. The results are reported as Estimated Values.
- Q-54l** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +37%. The results are reported as Estimated Values.
- Q-54m** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +38%. The results are reported as Estimated Values.
- Q-54n** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +40%. The results are reported as Estimated Values.
- Q-54o** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +46%. The results are reported as Estimated Values.
- Q-54p** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
- Q-54q** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
- Q-54r** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
- Q-54s** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +9%. The results are reported as Estimated Values.
- Q-54t** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -14%. The results are reported as Estimated Values.
- Q-54u** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -18%. The results are reported as Estimated Values.
- Q-54v** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -20%. The results are reported as Estimated Values.
- Q-54w** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -21%. The results are reported as Estimated Values.
- Q-54x** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -32%. The results are reported as Estimated Values.
- Q-54y** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -4%. The results are reported as Estimated Values.

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- Q-54z** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -5%. The results are reported as Estimated Values.
- Q-55** Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
- Q-56** Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- TEMP** Sample was received outside of recommended temperature.
- V-13** Reporting levels raised due to dilution necessary for analysis due to sample foaming in sparge vessel.

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Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

### REPORTING NOTES AND CONVENTIONS:

**Abbreviations:**

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

**Detection Limits: Limit of Detection (LOD)**

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ("-----"), then the data has not been evaluated below the Reporting Limit.

**Reporting Limits: Limit of Quantitation (LOQ)**

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

**Reporting Conventions:**

Basis: Results for soil samples are generally reported on a 100% dry weight basis.

The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

**QC Source:**

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

**Miscellaneous Notes:**

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

### REPORTING NOTES AND CONVENTIONS (Cont.):

**Blanks:**

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).

-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.

-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

-Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

**Preparation Notes:**

**Mixed Matrix Samples:**

**Water Samples:**

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

**Soil and Sediment Samples:**

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

**Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

**Benzofluoranthene Isomer Reporting:**

Due to coelution on the analytical column, the Benzo(b)fluoranthene results represent the concentration of both Benzo(b)fluoranthene and Benzo(j) fluoranthene. Calibration is based on the response of Benzo(b)fluoranthene, and the results represent the combined Benzo(b+j)fluoranthene(s).

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Project Number: **000029-02.84 T-01.001E**

Project Manager: **John Renda**

**Report ID:**

**A3L1311 - 03 06 24 0937**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)** -

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

**Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
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All reported analytes are included in Apex Laboratories' current ORELAP scope.

**Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

**Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

**Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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## ANALYTICAL REPORT

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Portland, OR 97219

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Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3L1311 - 03 06 24 0937

## APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A3 L1311Project/Project #: Gasco MGP only Mon. Wells 4Q 2023 Perf. Mon.  
000029-02.84 T-01.001E

## Delivery Info:

Date/time received: 12/15/23 @ 823 By: JSDelivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐Cooler Inspection Date/time inspected: 12/15/23 @ 1002 By: JSChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>4.8</u>	<u>3.1</u>					
Custody seals? (Y/N)	<u>N</u>	<u>N</u>					
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>					
Temp. blanks? (Y/N)	<u>N</u>	<u>N</u>					
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>					
Condition (In/Out):	<u>In</u>	<u>In</u>					

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes ☐ No ☒Out of temperature samples form initiated? Yes ☐ No ☒Sample Inspection: Date/time inspected: 12/15/23 @ 1140 By: JSAll samples intact? Yes ☒ No ☐ Comments:Bottle labels/COCs agree? Yes ☒ No ☐ Comments:COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments:Do VOA vials have visible headspace? Yes ☐ No ☒ NA ☐

Comments:

Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: A201192Comments: 65-121423-13, 15, 18 NaOH Poly pH ~ 7 A221237 A201192Additional information: #347Labeled by: JS Witness: AW Cooler Inspected by: JS

Form Y-003 R-01

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Darwin Thomas, Business Development Director

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