



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Friday, May 19, 2023

John Renda

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

RE: A3C0314 - Gasco-MGP Only Mon. Wells 1Q 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 A3C0314, which was received by the laboratory on 3/9/2023 at 8:17:00AM.

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, 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

(See Cooler Receipt Form for details)

Default Cooler 3.4 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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS-030823-01	A3C0314-01	WG	03/08/23 10:05	03/09/23 08:17
GS-030823-02	A3C0314-02	WG	03/08/23 11:30	03/09/23 08:17
GS-030823-03	A3C0314-03	WG	03/08/23 11:40	03/09/23 08:17
GS-030823-04	A3C0314-04	WG	03/08/23 14:10	03/09/23 08:17
GS-030823-05	A3C0314-05	WG	03/08/23 15:00	03/09/23 08:17
TB-030823	A3C0314-06	W	03/08/23 15:15	03/09/23 08:17

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01RE1)		Matrix: WG			Batch: 23C0401			
Acetone	ND	50.0	100	ug/L	5	03/10/23 15:07	EPA 8260D	
Acrylonitrile	ND	5.00	10.0	ug/L	5	03/10/23 15:07	EPA 8260D	
Benzene	674	0.500	1.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Bromobenzene	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Bromochloromethane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Bromodichloromethane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Bromoform	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Bromomethane	ND	25.0	25.0	ug/L	5	03/10/23 15:07	EPA 8260D	
2-Butanone (MEK)	ND	25.0	50.0	ug/L	5	03/10/23 15:07	EPA 8260D	
n-Butylbenzene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
sec-Butylbenzene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
tert-Butylbenzene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Carbon disulfide	ND	25.0	50.0	ug/L	5	03/10/23 15:07	EPA 8260D	
Carbon tetrachloride	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Chlorobenzene	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Chloroethane	ND	25.0	25.0	ug/L	5	03/10/23 15:07	EPA 8260D	
Chloroform	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Chloromethane	ND	12.5	25.0	ug/L	5	03/10/23 15:07	EPA 8260D	
2-Chlorotoluene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
4-Chlorotoluene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Dibromochloromethane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	12.5	25.0	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Dibromomethane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2-Dichlorobenzene	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
1,3-Dichlorobenzene	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
1,4-Dichlorobenzene	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Dichlorodifluoromethane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,1-Dichloroethane	ND	1.00	2.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2-Dichloroethane (EDC)	1.60	1.00	2.00	ug/L	5	03/10/23 15:07	EPA 8260D	J
1,2-Dichloropropane	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
1,3-Dichloropropane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
2,2-Dichloropropane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01RE1)		Matrix: WG			Batch: 23C0401			
1,1-Dichloropropene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
cis-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
trans-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Ethylbenzene	4.45	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Hexachlorobutadiene	ND	12.5	25.0	ug/L	5	03/10/23 15:07	EPA 8260D	
2-Hexanone	ND	25.0	50.0	ug/L	5	03/10/23 15:07	EPA 8260D	
Isopropylbenzene	12.8	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
4-Isopropyltoluene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Methylene chloride	ND	25.0	50.0	ug/L	5	03/10/23 15:07	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	25.0	50.0	ug/L	5	03/10/23 15:07	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Naphthalene	33.4	5.00	10.0	ug/L	5	03/10/23 15:07	EPA 8260D	
n-Propylbenzene	6.40	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Styrene	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	1.00	2.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Tetrachloroethene (PCE)	ND	1.00	2.00	ug/L	5	03/10/23 15:07	EPA 8260D	
Toluene	5.65	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2,3-Trichlorobenzene	ND	5.00	10.0	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2,4-Trichlorobenzene	ND	5.00	10.0	ug/L	5	03/10/23 15:07	EPA 8260D	
1,1,1-Trichloroethane	ND	1.00	2.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,1,2-Trichloroethane	ND	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Trichlorofluoromethane	ND	5.00	10.0	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2,3-Trichloropropane	ND	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,2,4-Trimethylbenzene	13.1	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
1,3,5-Trimethylbenzene	4.85	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	J
m,p-Xylene	8.40	2.50	5.00	ug/L	5	03/10/23 15:07	EPA 8260D	
o-Xylene	12.2	1.25	2.50	ug/L	5	03/10/23 15:07	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 93 %		Limits: 80-120 %	1	03/10/23 15:07	EPA 8260D	
Toluene-d8 (Surr)		106 %		80-120 %	1	03/10/23 15:07	EPA 8260D	
4-Bromofluorobenzene (Surr)		91 %		80-120 %	1	03/10/23 15:07	EPA 8260D	

GS-030823-02 (A3C0314-02RE1)

Matrix: WG

Batch: 23C0401

V-25

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-02 (A3C0314-02RE1)				Matrix: WG		Batch: 23C0401		V-25
Acetone	ND	500	1000	ug/L	50	03/10/23 15:52	EPA 8260D	
Acrylonitrile	ND	50.0	100	ug/L	50	03/10/23 15:52	EPA 8260D	
Benzene	8710	5.00	10.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Bromobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Bromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Bromoform	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Bromomethane	ND	250	250	ug/L	50	03/10/23 15:52	EPA 8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	03/10/23 15:52	EPA 8260D	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Carbon disulfide	ND	250	500	ug/L	50	03/10/23 15:52	EPA 8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Chloroethane	ND	250	250	ug/L	50	03/10/23 15:52	EPA 8260D	
Chloroform	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Chloromethane	ND	125	250	ug/L	50	03/10/23 15:52	EPA 8260D	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Dibromomethane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1-Dichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
cis-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
trans-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-02 (A3C0314-02RE1)				Matrix: WG		Batch: 23C0401		V-25
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Ethylbenzene	659	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Hexachlorobutadiene	ND	125	250	ug/L	50	03/10/23 15:52	EPA 8260D	
2-Hexanone	ND	250	500	ug/L	50	03/10/23 15:52	EPA 8260D	
Isopropylbenzene	32.5	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	J
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Methylene chloride	ND	250	500	ug/L	50	03/10/23 15:52	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	250	500	ug/L	50	03/10/23 15:52	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Naphthalene	6090	50.0	100	ug/L	50	03/10/23 15:52	EPA 8260D	
n-Propylbenzene	18.0	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	J
Styrene	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Tetrachloroethene (PCE)	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Toluene	196	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2,3-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1,1-Trichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Trichloroethene (TCE)	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,2,4-Trimethylbenzene	165	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
1,3,5-Trimethylbenzene	39.5	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	J
Vinyl chloride	ND	10.0	20.0	ug/L	50	03/10/23 15:52	EPA 8260D	
m,p-Xylene	656	25.0	50.0	ug/L	50	03/10/23 15:52	EPA 8260D	
o-Xylene	336	12.5	25.0	ug/L	50	03/10/23 15:52	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-02 (A3C0314-02RE1)		Matrix: WG		Batch: 23C0401		V-25		
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 93 %	Limits: 80-120 %	1	03/10/23 15:52	EPA 8260D		
Toluene-d8 (Surr)		107 %	80-120 %	1	03/10/23 15:52	EPA 8260D		
4-Bromofluorobenzene (Surr)		94 %	80-120 %	1	03/10/23 15:52	EPA 8260D		
GS-030823-03 (A3C0314-03RE1)		Matrix: WG		Batch: 23C0401		V-25		
Acetone	ND	500	1000	ug/L	50	03/10/23 16:14	EPA 8260D	
Acrylonitrile	ND	50.0	100	ug/L	50	03/10/23 16:14	EPA 8260D	
Benzene	8980	5.00	10.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Bromobenzene	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Bromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Bromoform	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Bromomethane	ND	250	250	ug/L	50	03/10/23 16:14	EPA 8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	03/10/23 16:14	EPA 8260D	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Carbon disulfide	ND	250	500	ug/L	50	03/10/23 16:14	EPA 8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Chloroethane	ND	250	250	ug/L	50	03/10/23 16:14	EPA 8260D	
Chloroform	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Chloromethane	ND	125	250	ug/L	50	03/10/23 16:14	EPA 8260D	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Dibromomethane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1-Dichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-03 (A3C0314-03RE1)		Matrix: WG		Batch: 23C0401		V-25		
1,2-Dichloroethane (EDC)	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
cis-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
trans-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Ethylbenzene	678	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Hexachlorobutadiene	ND	125	250	ug/L	50	03/10/23 16:14	EPA 8260D	
2-Hexanone	ND	250	500	ug/L	50	03/10/23 16:14	EPA 8260D	
Isopropylbenzene	32.0	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	J
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Methylene chloride	ND	250	500	ug/L	50	03/10/23 16:14	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	250	500	ug/L	50	03/10/23 16:14	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Naphthalene	6490	50.0	100	ug/L	50	03/10/23 16:14	EPA 8260D	
n-Propylbenzene	18.5	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	J
Styrene	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Tetrachloroethene (PCE)	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Toluene	202	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2,3-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1,1-Trichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Trichloroethene (TCE)	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
1,2,4-Trimethylbenzene	176	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-03 (A3C0314-03RE1)		Matrix: WG			Batch: 23C0401		V-25	
1,3,5-Trimethylbenzene	41.0	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	J
Vinyl chloride	ND	10.0	20.0	ug/L	50	03/10/23 16:14	EPA 8260D	
m,p-Xylene	676	25.0	50.0	ug/L	50	03/10/23 16:14	EPA 8260D	
o-Xylene	346	12.5	25.0	ug/L	50	03/10/23 16:14	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>03/10/23 16:14</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>107 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/10/23 16:14</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>94 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/10/23 16:14</i>	<i>EPA 8260D</i>	
GS-030823-04 (A3C0314-04RE1)		Matrix: WG			Batch: 23C0401		V-25	
Acetone	ND	500	1000	ug/L	50	03/10/23 15:30	EPA 8260D	
Acrylonitrile	ND	50.0	100	ug/L	50	03/10/23 15:30	EPA 8260D	
Bromobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Bromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Bromoform	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Bromomethane	ND	250	250	ug/L	50	03/10/23 15:30	EPA 8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	03/10/23 15:30	EPA 8260D	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Carbon disulfide	ND	250	500	ug/L	50	03/10/23 15:30	EPA 8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Chloroethane	ND	250	250	ug/L	50	03/10/23 15:30	EPA 8260D	
Chloroform	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Chloromethane	ND	125	250	ug/L	50	03/10/23 15:30	EPA 8260D	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Dibromomethane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-04 (A3C0314-04RE1)				Matrix: WG		Batch: 23C0401		V-25
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1-Dichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
cis-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
trans-1,2-Dichloroethene	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Ethylbenzene	654	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Hexachlorobutadiene	ND	125	250	ug/L	50	03/10/23 15:30	EPA 8260D	
2-Hexanone	ND	250	500	ug/L	50	03/10/23 15:30	EPA 8260D	
Isopropylbenzene	34.0	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	J
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Methylene chloride	ND	250	500	ug/L	50	03/10/23 15:30	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	250	500	ug/L	50	03/10/23 15:30	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Naphthalene	1620	50.0	100	ug/L	50	03/10/23 15:30	EPA 8260D	
n-Propylbenzene	28.5	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Styrene	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Tetrachloroethene (PCE)	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Toluene	53.5	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2,3-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1,1-Trichloroethane	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Trichloroethene (TCE)	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-04 (A3C0314-04RE1)		Matrix: WG			Batch: 23C0401		V-25	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,2,4-Trimethylbenzene	161	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
1,3,5-Trimethylbenzene	59.5	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
Vinyl chloride	ND	10.0	20.0	ug/L	50	03/10/23 15:30	EPA 8260D	
m,p-Xylene	374	25.0	50.0	ug/L	50	03/10/23 15:30	EPA 8260D	
o-Xylene	244	12.5	25.0	ug/L	50	03/10/23 15:30	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>03/10/23 15:30</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>105 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/10/23 15:30</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>93 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/10/23 15:30</i>	<i>EPA 8260D</i>	
GS-030823-04 (A3C0314-04RE2)		Matrix: WG			Batch: 23C0498			
Benzene	10500	50.0	100	ug/L	500	03/15/23 21:23	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>03/15/23 21:23</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/15/23 21:23</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>	<i>1</i>	<i>03/15/23 21:23</i>	<i>EPA 8260D</i>	
GS-030823-05 (A3C0314-05RE1)		Matrix: WG			Batch: 23C0401			
Acetone	ND	10.0	20.0	ug/L	1	03/10/23 14:45	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	03/10/23 14:45	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/10/23 14:45	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/10/23 14:45	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/10/23 14:45	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/10/23 14:45	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****ANALYTICAL SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-05 (A3C0314-05RE1)				Matrix: WG		Batch: 23C0401		
Chloroform	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	03/10/23 14:45	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/10/23 14:45	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/10/23 14:45	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/10/23 14:45	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	03/10/23 14:45	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	03/10/23 14:45	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-05 (A3C0314-05RE1)		Matrix: WG			Batch: 23C0401			
Styrene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	03/10/23 14:45	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	03/10/23 14:45	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	03/10/23 14:45	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 99 %		Limits: 80-120 %	1	03/10/23 14:45	EPA 8260D	
Toluene-d8 (Surr)		108 %		80-120 %	1	03/10/23 14:45	EPA 8260D	
4-Bromofluorobenzene (Surr)		96 %		80-120 %	1	03/10/23 14:45	EPA 8260D	
TB-030823 (A3C0314-06)		Matrix: W			Batch: 23C0401		V-01	
Acetone	20.0	10.0	20.0	ug/L	1	03/10/23 11:47	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	03/10/23 11:47	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/10/23 11:47	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/10/23 11:47	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB-030823 (A3C0314-06)		Matrix: W			Batch: 23C0401		V-01	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/10/23 11:47	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	03/10/23 11:47	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/10/23 11:47	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/10/23 11:47	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/10/23 11:47	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB-030823 (A3C0314-06)		Matrix: W			Batch: 23C0401		V-01	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/10/23 11:47	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	03/10/23 11:47	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	03/10/23 11:47	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	03/10/23 11:47	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	03/10/23 11:47	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	98 %	<i>Limits:</i>	80-120 %	1	03/10/23 11:47	EPA 8260D
<i>Toluene-d8 (Surr)</i>			107 %		80-120 %	1	03/10/23 11:47	EPA 8260D
<i>4-Bromofluorobenzene (Surr)</i>			97 %		80-120 %	1	03/10/23 11:47	EPA 8260D

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01)		Matrix: WG			Batch: 23C0807			
1,1-Dichloroethene	ND	0.250	0.500	ug/L	25	03/21/23 16:53	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	03/21/23 16:53	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	03/21/23 16:53	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.250	0.500	ug/L	25	03/21/23 16:53	EPA 8260D SIM	
Vinyl chloride	ND	0.250	0.500	ug/L	25	03/21/23 16:53	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	105 %	Limits:	80-120 %	1	03/21/23 16:53	EPA 8260D SIM
Toluene-d8 (Surr)			99 %		80-120 %	1	03/21/23 16:53	EPA 8260D SIM
4-Bromofluorobenzene (Surr)			95 %		80-120 %	1	03/21/23 16:53	EPA 8260D SIM

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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-030823-01 (A3C0314-01)		Matrix: WG			Batch: 23C0359			
Acenaphthene	186	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Acenaphthylene	11.5	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Anthracene	4.73	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Benz(a)anthracene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Benzo(a)pyrene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Chrysene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Fluoranthene	3.02	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	J
Fluorene	25.8	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.28	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
1-Methylnaphthalene	64.3	4.56	9.12	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
2-Methylnaphthalene	ND	4.56	9.12	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Naphthalene	24.8	4.56	9.12	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Phenanthrene	13.2	4.56	9.12	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Pyrene	2.79	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	J
Carbazole	15.8	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Dibenzofuran	6.84	2.28	4.56	ug/L	100	03/09/23 17:07	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery:	112 %	Limits:	78-134 %	100	03/09/23 17:07	EPA 8270E LVI S-05
Benzo(a)pyrene-d12 (Surr)			86 %		80-132 %	100	03/09/23 17:07	EPA 8270E LVI S-05
GS-030823-02 (A3C0314-02)		Matrix: WG			Batch: 23C0359			
Acenaphthene	97.4	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Acenaphthylene	6.51	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Anthracene	3.35	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	J
Benz(a)anthracene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Chrysene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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-030823-02 (A3C0314-02)		Matrix: WG			Batch: 23C0359			
Dibenz(a,h)anthracene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Fluoranthene	9.57	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Fluorene	16.6	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.943	1.89	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
1-Methylnaphthalene	213	3.77	7.55	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
2-Methylnaphthalene	154	3.77	7.55	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Phenanthrene	11.6	3.77	7.55	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Pyrene	11.0	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Carbazole	42.8	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Dibenzofuran	3.91	1.89	3.77	ug/L	100	03/09/23 15:29	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 230 %		Limits: 78-134 %	100	03/09/23 15:29	EPA 8270E LVI	S-05
Benzo(a)pyrene-d12 (Surr)		86 %		80-132 %	100	03/09/23 15:29	EPA 8270E LVI	S-05
GS-030823-02 (A3C0314-02RE1)		Matrix: WG			Batch: 23C0359			
Naphthalene	4060	37.7	75.5	ug/L	1000	03/09/23 20:57	EPA 8270E LVI	
GS-030823-03 (A3C0314-03)		Matrix: WG			Batch: 23C0359			
Acenaphthene	95.0	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Acenaphthylene	6.40	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Anthracene	3.12	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	J
Benz(a)anthracene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Benzo(a)pyrene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Chrysene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Fluoranthene	9.58	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Fluorene	16.1	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	1.04	2.08	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
1-Methylnaphthalene	196	4.17	8.33	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
2-Methylnaphthalene	139	4.17	8.33	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Phenanthrene	11.5	4.17	8.33	ug/L	100	03/09/23 16:01	EPA 8270E LVI	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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-030823-03 (A3C0314-03)		Matrix: WG			Batch: 23C0359			
Pyrene	11.5	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Carbazole	40.4	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	
Dibenzofuran	3.49	2.08	4.17	ug/L	100	03/09/23 16:01	EPA 8270E LVI	J
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 174 %		Limits: 78-134 %	100	03/09/23 16:01	EPA 8270E LVI	S-05
Benzo(a)pyrene-d12 (Surr)		72 %		80-132 %	100	03/09/23 16:01	EPA 8270E LVI	S-05
GS-030823-03 (A3C0314-03RE1)		Matrix: WG			Batch: 23C0359			
Naphthalene	4500	41.7	83.3	ug/L	1000	03/10/23 16:56	EPA 8270E LVI	
GS-030823-04 (A3C0314-04)		Matrix: WG			Batch: 23C0359			
Acenaphthene	212	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Acenaphthylene	ND	10.5	10.5	ug/L	100	03/09/23 17:40	EPA 8270E LVI	R-02
Anthracene	8.47	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Benz(a)anthracene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Chrysene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Fluoranthene	10.2	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Fluorene	61.5	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.946	1.89	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
1-Methylnaphthalene	590	3.78	7.57	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
2-Methylnaphthalene	840	3.78	7.57	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Naphthalene	1310	3.78	7.57	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Phenanthrene	83.4	3.78	7.57	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Pyrene	10.1	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Carbazole	128	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Dibenzofuran	18.7	1.89	3.78	ug/L	100	03/09/23 17:40	EPA 8270E LVI	
Surrogate: Acenaphthylene-d8 (Surr)		Recovery: 116 %		Limits: 78-134 %	100	03/09/23 17:40	EPA 8270E LVI	S-05
Benzo(a)pyrene-d12 (Surr)		68 %		80-132 %	100	03/09/23 17:40	EPA 8270E LVI	S-05
GS-030823-05 (A3C0314-05)		Matrix: WG			Batch: 23C0359			

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

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-030823-05 (A3C0314-05)		Matrix: WG			Batch: 23C0359			
Acenaphthene	ND	0.0348	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Acenaphthylene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Anthracene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Benz(a)anthracene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Benzo(a)pyrene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Benzo(b)fluoranthene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Benzo(k)fluoranthene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Benzo(g,h,i)perylene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Chrysene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Dibenz(a,h)anthracene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Fluoranthene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Fluorene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Indeno(1,2,3-cd)pyrene	ND	0.00869	0.0174	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
1-Methylnaphthalene	ND	0.0348	0.0696	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
2-Methylnaphthalene	ND	0.0348	0.0696	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Naphthalene	0.0600	0.0348	0.0696	ug/L	1	03/09/23 18:13	EPA 8270E LVI	J
Phenanthrene	ND	0.0348	0.0696	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Pyrene	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Carbazole	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
Dibenzofuran	ND	0.0174	0.0348	ug/L	1	03/09/23 18:13	EPA 8270E LVI	
<i>Surrogate: Acenaphthylene-d8 (Surr)</i>		<i>Recovery:</i>	<i>118 %</i>	<i>Limits:</i>	<i>78-134 %</i>	<i>1</i>	<i>03/09/23 18:13</i>	<i>EPA 8270E LVI</i>
<i>Benzo(a)pyrene-d12 (Surr)</i>			<i>119 %</i>		<i>80-132 %</i>	<i>1</i>	<i>03/09/23 18:13</i>	<i>EPA 8270E LVI</i>

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 20 of 70



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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01)		Matrix: WG						
Batch: 23C0719								
Aluminum	ND	25.0	50.0	ug/L	1	03/21/23 00:38	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Arsenic	1.21	0.500	1.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Barium	68.2	1.00	2.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	03/21/23 00:38	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	03/21/23 00:38	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	03/21/23 00:38	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	03/21/23 00:38	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	03/21/23 00:38	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	03/21/23 00:38	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	03/21/23 00:38	EPA 6020B	
Vanadium	1.45	1.00	2.00	ug/L	1	03/21/23 00:38	EPA 6020B	J
Zinc	2.22	2.00	4.00	ug/L	1	03/21/23 00:38	EPA 6020B	J
GS-030823-01 (A3C0314-01RE1)		Matrix: WG						
Batch: 23C0719								
Manganese	3030	25.0	50.0	ug/L	50	03/21/23 16:24	EPA 6020B	
GS-030823-01 (A3C0314-01RE2)		Matrix: WG						
Batch: 23C0719								
Iron	35400	1250	2500	ug/L	50	03/22/23 13:18	EPA 6020B	
GS-030823-02 (A3C0314-02)		Matrix: WG						
Batch: 23C0719								
Aluminum	ND	25.0	50.0	ug/L	1	03/21/23 00:44	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Arsenic	1.09	0.500	1.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Barium	35.4	1.00	2.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	03/21/23 00:44	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	03/21/23 00:44	EPA 6020B	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-02 (A3C0314-02)		Matrix: WG						
Chromium	ND	1.00	2.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	03/21/23 00:44	EPA 6020B	
Manganese	2070	0.500	1.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	03/21/23 00:44	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	03/21/23 00:44	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	03/21/23 00:44	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	03/21/23 00:44	EPA 6020B	
Zinc	2.54	2.00	4.00	ug/L	1	03/21/23 00:44	EPA 6020B	J
GS-030823-02 (A3C0314-02RE2)		Matrix: WG						
Batch: 23C0719								
Iron	28700	25.0	50.0	ug/L	1	03/22/23 13:28	EPA 6020B	
GS-030823-03 (A3C0314-03)		Matrix: WG						
Batch: 23C0719								
Aluminum	ND	25.0	50.0	ug/L	1	03/21/23 00:49	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Arsenic	1.14	0.500	1.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Barium	36.5	1.00	2.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	03/21/23 00:49	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	03/21/23 00:49	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	03/21/23 00:49	EPA 6020B	
Manganese	2070	0.500	1.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	03/21/23 00:49	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	03/21/23 00:49	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	03/21/23 00:49	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	03/21/23 00:49	EPA 6020B	
Vanadium	1.01	1.00	2.00	ug/L	1	03/21/23 00:49	EPA 6020B	J

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-03 (A3C0314-03) Matrix: WG								
Zinc	4.03	2.00	4.00	ug/L	1	03/21/23 00:49	EPA 6020B	
GS-030823-03 (A3C0314-03RE2) Matrix: WG								
Batch: 23C0719								
Iron	29100	25.0	50.0	ug/L	1	03/22/23 13:32	EPA 6020B	
GS-030823-04 (A3C0314-04) Matrix: WG								
Batch: 23C0719								
Aluminum	25.8	25.0	50.0	ug/L	1	03/21/23 01:05	EPA 6020B	J
Antimony	ND	0.500	1.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Arsenic	0.796	0.500	1.00	ug/L	1	03/21/23 01:05	EPA 6020B	J
Barium	31.6	1.00	2.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	03/21/23 01:05	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	03/21/23 01:05	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	03/21/23 01:05	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	03/21/23 01:05	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	03/21/23 01:05	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	03/21/23 01:05	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	03/21/23 01:05	EPA 6020B	
Zinc	3.25	2.00	4.00	ug/L	1	03/21/23 01:05	EPA 6020B	J
GS-030823-04 (A3C0314-04RE1) Matrix: WG								
Batch: 23C0719								
Manganese	4100	25.0	50.0	ug/L	50	03/21/23 16:29	EPA 6020B	
GS-030823-04 (A3C0314-04RE2) Matrix: WG								
Batch: 23C0719								
Iron	34500	1250	2500	ug/L	50	03/22/23 13:23	EPA 6020B	
GS-030823-05 (A3C0314-05) Matrix: WG								
Batch: 23C0719								

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-05 (A3C0314-05)		Matrix: WG						
Aluminum	ND	25.0	50.0	ug/L	1	03/21/23 01:10	EPA 6020B	
Antimony	ND	0.500	1.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Arsenic	ND	0.500	1.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Barium	ND	1.00	2.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Beryllium	ND	0.100	0.200	ug/L	1	03/21/23 01:10	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	03/21/23 01:10	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Iron	ND	25.0	50.0	ug/L	1	03/21/23 01:10	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	03/21/23 01:10	EPA 6020B	
Manganese	ND	0.500	1.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	03/21/23 01:10	EPA 6020B	
Nickel	ND	1.00	2.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	03/21/23 01:10	EPA 6020B	
Thallium	ND	0.100	0.200	ug/L	1	03/21/23 01:10	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	03/21/23 01:10	EPA 6020B	
Zinc	ND	2.00	4.00	ug/L	1	03/21/23 01:10	EPA 6020B	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Total Cyanide by Flow Analysis (Aqueous)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01RE1)				Matrix: WG		Batch: 23C0460		
Total Cyanide	0.704	0.0100	0.0100	mg/L	2	03/13/23 17:46	EPA 335.4	B-02
GS-030823-02 (A3C0314-02)				Matrix: WG		Batch: 23C0460		
Total Cyanide	0.0562	0.00500	0.00500	mg/L	1	03/13/23 16:44	EPA 335.4	B-02
GS-030823-03 (A3C0314-03)				Matrix: WG		Batch: 23C0460		
Total Cyanide	0.0487	0.00500	0.00500	mg/L	1	03/13/23 16:46	EPA 335.4	B-02
GS-030823-04 (A3C0314-04RE2)				Matrix: WG		Batch: 23C0510		
Total Cyanide	0.269	0.00500	0.00500	mg/L	1	03/14/23 13:40	EPA 335.4	
GS-030823-05 (A3C0314-05)				Matrix: WG		Batch: 23C0460		
Total Cyanide	ND	0.00500	0.00500	mg/L	1	03/13/23 16:52	EPA 335.4	B-02

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

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
GS-030823-01 (A3C0314-01)				Matrix: WG		Batch: 23C0622		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	03/16/23 12:56	D6888-09	
GS-030823-02 (A3C0314-02)				Matrix: WG		Batch: 23C0622		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	03/16/23 12:58	D6888-09	
GS-030823-03 (A3C0314-03)				Matrix: WG		Batch: 23C0622		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	03/16/23 12:59	D6888-09	
GS-030823-04 (A3C0314-04)				Matrix: WG		Batch: 23C0622		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	03/16/23 13:01	D6888-09	
GS-030823-05 (A3C0314-05)				Matrix: WG		Batch: 23C0622		
Available Cyanide	ND	0.00100	0.00200	mg/L	1	03/16/23 13:02	D6888-09	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

ANALYTICAL SAMPLE RESULTS

Free Cyanide by Microdiffusion/Colorimetric Spectrophotometry

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GS-030823-01 (A3C0314-01)				Matrix: WG		Batch: 23C0410		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	03/10/23 15:01	D4282-02	
GS-030823-02 (A3C0314-02)				Matrix: WG		Batch: 23C0410		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	03/10/23 15:06	D4282-02	
GS-030823-03 (A3C0314-03)				Matrix: WG		Batch: 23C0410		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	03/10/23 15:06	D4282-02	
GS-030823-04 (A3C0314-04)				Matrix: WG		Batch: 23C0410		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	03/10/23 15:07	D4282-02	
GS-030823-05 (A3C0314-05)				Matrix: WG		Batch: 23C0410		
Free Cyanide	ND	0.00250	0.00500	mg/L	1	03/10/23 15:12	D4282-02	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 27 of 70

**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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****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 23C0341 - EPA 5030C						Water						
Blank (23C0341-BLK1)			Prepared: 03/09/23 08:00		Analyzed: 03/09/23 10:41							
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	---	---	---	---	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0341 - EPA 5030C						Water						
Blank (23C0341-BLK1)						Prepared: 03/09/23 08:00 Analyzed: 03/09/23 10:41						
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	5.00	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	1.00	2.00	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	0.200	0.400	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: 97 % Limits: 80-120 % Dilution: 1x												

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0341 - EPA 5030C						Water						
Blank (23C0341-BLK1)				Prepared: 03/09/23 08:00		Analyzed: 03/09/23 10:41						
Surr: Toluene-d8 (Surr)		Recovery: 106 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		97 %		80-120 %		"						
LCS (23C0341-BS1)				Prepared: 03/09/23 08:00		Analyzed: 03/09/23 09:33						
EPA 8260D												
Acetone	42.5	10.0	20.0	ug/L	1	40.0	---	106	80-120%	---	---	
Acrylonitrile	21.8	1.00	2.00	ug/L	1	20.0	---	109	80-120%	---	---	
Benzene	20.2	0.100	0.200	ug/L	1	20.0	---	101	80-120%	---	---	
Bromobenzene	19.0	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Bromochloromethane	24.9	0.500	1.00	ug/L	1	20.0	---	125	80-120%	---	---	Q-56
Bromodichloromethane	20.1	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Bromoform	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Bromomethane	13.4	5.00	5.00	ug/L	1	20.0	---	67	80-120%	---	---	Q-55
2-Butanone (MEK)	47.6	5.00	10.0	ug/L	1	40.0	---	119	80-120%	---	---	
n-Butylbenzene	23.2	0.500	1.00	ug/L	1	20.0	---	116	80-120%	---	---	
sec-Butylbenzene	22.8	0.500	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
tert-Butylbenzene	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
Carbon disulfide	21.3	5.00	10.0	ug/L	1	20.0	---	106	80-120%	---	---	
Carbon tetrachloride	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Chlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Chloroethane	14.9	5.00	5.00	ug/L	1	20.0	---	75	80-120%	---	---	Q-55
Chloroform	20.4	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Chloromethane	21.0	2.50	5.00	ug/L	1	20.0	---	105	80-120%	---	---	
2-Chlorotoluene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
4-Chlorotoluene	22.1	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
Dibromochloromethane	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2-Dibromo-3-chloropropane	18.2	2.50	5.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.7	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Dibromomethane	19.9	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,2-Dichlorobenzene	19.9	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,3-Dichlorobenzene	19.9	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
1,4-Dichlorobenzene	19.4	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dichlorodifluoromethane	20.1	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,1-Dichloroethane	21.7	0.200	0.400	ug/L	1	20.0	---	109	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0341 - EPA 5030C						Water						
LCS (23C0341-BS1)						Prepared: 03/09/23 08:00 Analyzed: 03/09/23 09:33						
1,2-Dichloroethane (EDC)	21.3	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
1,1-Dichloroethene	23.7	0.200	0.400	ug/L	1	20.0	---	119	80-120%	---	---	
cis-1,2-Dichloroethene	21.3	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
trans-1,2-Dichloroethene	21.6	0.200	0.400	ug/L	1	20.0	---	108	80-120%	---	---	
1,2-Dichloropropane	20.9	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,3-Dichloropropane	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
2,2-Dichloropropane	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1-Dichloropropene	20.7	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	21.9	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
trans-1,3-Dichloropropene	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Ethylbenzene	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Hexachlorobutadiene	18.8	2.50	5.00	ug/L	1	20.0	---	94	80-120%	---	---	
2-Hexanone	46.2	5.00	10.0	ug/L	1	40.0	---	116	80-120%	---	---	
Isopropylbenzene	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
4-Isopropyltoluene	21.9	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Methylene chloride	20.4	5.00	10.0	ug/L	1	20.0	---	102	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	49.4	5.00	10.0	ug/L	1	40.0	---	124	80-120%	---	---	Q-56
Methyl tert-butyl ether (MTBE)	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Naphthalene	19.1	1.00	2.00	ug/L	1	20.0	---	96	80-120%	---	---	
n-Propylbenzene	22.5	0.250	0.500	ug/L	1	20.0	---	112	80-120%	---	---	
Styrene	20.7	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,1,2-Tetrachloroethane	18.9	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
1,1,2,2-Tetrachloroethane	24.6	0.250	0.500	ug/L	1	20.0	---	123	80-120%	---	---	Q-56
Tetrachloroethene (PCE)	18.9	0.200	0.400	ug/L	1	20.0	---	95	80-120%	---	---	
Toluene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	18.8	1.00	2.00	ug/L	1	20.0	---	94	80-120%	---	---	
1,2,4-Trichlorobenzene	18.5	1.00	2.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,1,1-Trichloroethane	20.2	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	
1,1,2-Trichloroethane	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Trichloroethene (TCE)	17.3	0.200	0.400	ug/L	1	20.0	---	87	80-120%	---	---	
Trichlorofluoromethane	21.2	1.00	2.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2,3-Trichloropropane	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2,4-Trimethylbenzene	22.3	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,3,5-Trimethylbenzene	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 31 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0341 - EPA 5030C						Water						
LCS (23C0341-BS1)			Prepared: 03/09/23 08:00		Analyzed: 03/09/23 09:33							
Vinyl chloride	17.0	0.200	0.400	ug/L	1	20.0	---	85	80-120%	---	---	
m,p-Xylene	43.6	0.500	1.00	ug/L	1	40.0	---	109	80-120%	---	---	
o-Xylene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		104 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		93 %		80-120 %		"						

Duplicate (23C0341-DUP1)

Prepared: 03/09/23 11:12 Analyzed: 03/09/23 15:55

QC Source Sample: Non-SDG (A3C0303-01)

Acetone	ND	20.0	20.0	ug/L	1	---	ND	---	---	---	30%
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	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%

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****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 23C0341 - EPA 5030C						Water						
Duplicate (23C0341-DUP1)			Prepared: 03/09/23 11:12 Analyzed: 03/09/23 15:55									
QC Source Sample: Non-SDG (A3C0303-01)												
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	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	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	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	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	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	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%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 23C0341 - EPA 5030C						Water						
Duplicate (23C0341-DUP1)			Prepared: 03/09/23 11:12 Analyzed: 03/09/23 15:55									
QC Source Sample: Non-SDG (A3C0303-01)												
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	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 98 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		105 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		80-120 %		"						
Matrix Spike (23C0341-MS1)						Prepared: 03/09/23 11:12 Analyzed: 03/09/23 19:38						
QC Source Sample: Non-SDG (A3C0268-01)												
EPA 8260D												
Acetone	59.0	10.0	20.0	ug/L	1	40.0	13.7	113	39-160%	---	---	
Acrylonitrile	23.8	1.00	2.00	ug/L	1	20.0	ND	119	63-135%	---	---	
Benzene	21.9	0.100	0.200	ug/L	1	20.0	ND	109	79-120%	---	---	
Bromobenzene	19.1	0.250	0.500	ug/L	1	20.0	ND	96	80-120%	---	---	
Bromochloromethane	27.1	0.500	1.00	ug/L	1	20.0	ND	136	78-123%	---	---	Q-54e
Bromodichloromethane	21.0	0.500	1.00	ug/L	1	20.0	ND	105	79-125%	---	---	
Bromoform	19.0	0.500	1.00	ug/L	1	20.0	ND	95	66-130%	---	---	
Bromomethane	13.0	5.00	5.00	ug/L	1	20.0	ND	65	53-141%	---	---	Q-54h
2-Butanone (MEK)	52.2	5.00	10.0	ug/L	1	40.0	ND	131	56-143%	---	---	
n-Butylbenzene	24.0	0.500	1.00	ug/L	1	20.0	ND	120	75-128%	---	---	
sec-Butylbenzene	23.8	0.500	1.00	ug/L	1	20.0	ND	119	77-126%	---	---	
tert-Butylbenzene	23.9	0.500	1.00	ug/L	1	20.0	ND	119	78-124%	---	---	
Carbon disulfide	23.5	5.00	10.0	ug/L	1	20.0	ND	118	64-133%	---	---	
Carbon tetrachloride	20.8	0.500	1.00	ug/L	1	20.0	ND	104	72-136%	---	---	
Chlorobenzene	20.1	0.250	0.500	ug/L	1	20.0	ND	100	80-120%	---	---	
Chloroethane	16.5	5.00	5.00	ug/L	1	20.0	ND	83	60-138%	---	---	Q-54j
Chloroform	22.3	0.500	1.00	ug/L	1	20.0	0.800	108	79-124%	---	---	
Chloromethane	23.8	2.50	5.00	ug/L	1	20.0	ND	119	50-139%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

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 23C0341 - EPA 5030C						Water						
Matrix Spike (23C0341-MS1)			Prepared: 03/09/23 11:12		Analyzed: 03/09/23 19:38							
QC Source Sample: Non-SDG (A3C0268-01)												
2-Chlorotoluene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	79-122%	---	---	Q-01
4-Chlorotoluene	23.2	0.500	1.00	ug/L	1	20.0	ND	116	78-122%	---	---	
Dibromochloromethane	19.9	0.500	1.00	ug/L	1	20.0	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	19.1	2.50	5.00	ug/L	1	20.0	ND	95	62-128%	---	---	
1,2-Dibromoethane (EDB)	20.9	0.250	0.500	ug/L	1	20.0	ND	104	77-121%	---	---	
Dibromomethane	20.3	0.500	1.00	ug/L	1	20.0	ND	102	79-123%	---	---	
1,2-Dichlorobenzene	20.1	0.250	0.500	ug/L	1	20.0	ND	100	80-120%	---	---	
1,3-Dichlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
1,4-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	79-120%	---	---	
Dichlorodifluoromethane	22.2	0.500	1.00	ug/L	1	20.0	ND	111	32-152%	---	---	
1,1-Dichloroethane	23.6	0.200	0.400	ug/L	1	20.0	ND	118	77-125%	---	---	Q-54d
1,2-Dichloroethane (EDC)	21.7	0.200	0.400	ug/L	1	20.0	ND	109	73-128%	---	---	
1,1-Dichloroethene	26.6	0.200	0.400	ug/L	1	20.0	ND	133	71-131%	---	---	
cis-1,2-Dichloroethene	23.5	0.200	0.400	ug/L	1	20.0	ND	117	78-123%	---	---	
trans-1,2-Dichloroethene	24.4	0.200	0.400	ug/L	1	20.0	ND	122	75-124%	---	---	
1,2-Dichloropropane	22.9	0.250	0.500	ug/L	1	20.0	ND	114	78-122%	---	---	
1,3-Dichloropropane	21.7	0.500	1.00	ug/L	1	20.0	ND	108	80-120%	---	---	
2,2-Dichloropropane	19.3	0.500	1.00	ug/L	1	20.0	ND	97	60-139%	---	---	
1,1-Dichloropropene	22.6	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
cis-1,3-Dichloropropene	20.7	0.500	1.00	ug/L	1	20.0	ND	103	75-124%	---	---	
trans-1,3-Dichloropropene	22.9	0.500	1.00	ug/L	1	20.0	ND	114	73-127%	---	---	Q-54d
Ethylbenzene	22.1	0.250	0.500	ug/L	1	20.0	ND	110	79-121%	---	---	
Hexachlorobutadiene	18.2	2.50	5.00	ug/L	1	20.0	ND	91	66-134%	---	---	
2-Hexanone	50.3	5.00	10.0	ug/L	1	40.0	ND	126	57-139%	---	---	
Isopropylbenzene	21.7	0.500	1.00	ug/L	1	20.0	ND	109	72-131%	---	---	
4-Isopropyltoluene	22.9	0.500	1.00	ug/L	1	20.0	ND	114	77-127%	---	---	
Methylene chloride	21.0	5.00	10.0	ug/L	1	20.0	ND	105	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	52.9	5.00	10.0	ug/L	1	40.0	ND	132	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	19.2	0.500	1.00	ug/L	1	20.0	ND	96	71-124%	---	---	
Naphthalene	19.7	1.00	2.00	ug/L	1	20.0	ND	98	61-128%	---	---	
n-Propylbenzene	23.9	0.250	0.500	ug/L	1	20.0	ND	120	76-126%	---	---	
Styrene	21.6	0.500	1.00	ug/L	1	20.0	ND	108	78-123%	---	---	
1,1,1,2-Tetrachloroethane	19.1	0.200	0.400	ug/L	1	20.0	ND	96	78-124%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0341 - EPA 5030C						Water						
Matrix Spike (23C0341-MS1)			Prepared: 03/09/23 11:12		Analyzed: 03/09/23 19:38							
QC Source Sample: Non-SDG (A3C0268-01)												
1,1,2,2-Tetrachloroethane	25.3	0.250	0.500	ug/L	1	20.0	ND	127	71-121%	---	---	Q-54c
Tetrachloroethene (PCE)	19.3	0.200	0.400	ug/L	1	20.0	ND	96	74-129%	---	---	
Toluene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	80-121%	---	---	
1,2,3-Trichlorobenzene	18.6	1.00	2.00	ug/L	1	20.0	ND	93	69-129%	---	---	
1,2,4-Trichlorobenzene	18.4	1.00	2.00	ug/L	1	20.0	ND	92	69-130%	---	---	
1,1,1-Trichloroethane	21.4	0.200	0.400	ug/L	1	20.0	ND	107	74-131%	---	---	
1,1,2-Trichloroethane	20.6	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Trichloroethene (TCE)	18.3	0.200	0.400	ug/L	1	20.0	ND	92	79-123%	---	---	
Trichlorofluoromethane	22.8	1.00	2.00	ug/L	1	20.0	ND	114	65-141%	---	---	
1,2,3-Trichloropropane	22.5	0.500	1.00	ug/L	1	20.0	ND	113	73-122%	---	---	
1,2,4-Trimethylbenzene	23.2	0.500	1.00	ug/L	1	20.0	ND	116	76-124%	---	---	
1,3,5-Trimethylbenzene	22.7	0.500	1.00	ug/L	1	20.0	ND	113	75-124%	---	---	
Vinyl chloride	18.8	0.200	0.400	ug/L	1	20.0	ND	94	58-137%	---	---	
m,p-Xylene	45.1	0.500	1.00	ug/L	1	40.0	ND	113	80-121%	---	---	
o-Xylene	21.3	0.250	0.500	ug/L	1	20.0	ND	106	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		103 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		93 %		80-120 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 36 of 70

**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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****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 23C0401 - EPA 5030C						Water						
Blank (23C0401-BLK1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 10:39							
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	---	---	---	---	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
Blank (23C0401-BLK1)						Prepared: 03/10/23 09:26 Analyzed: 03/10/23 10:39						
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	5.00	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	1.00	2.00	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	0.200	0.400	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: 98 % Limits: 80-120 % Dilution: 1x												

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
Blank (23C0401-BLK1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 10:39							
Surr: Toluene-d8 (Surr)		Recovery: 107 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		97 %		80-120 %		"						
LCS (23C0401-BS1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 09:55							
EPA 8260D												
Acetone	44.4	10.0	20.0	ug/L	1	40.0	---	111	80-120%	---	---	
Acrylonitrile	23.5	1.00	2.00	ug/L	1	20.0	---	118	80-120%	---	---	
Benzene	21.6	0.100	0.200	ug/L	1	20.0	---	108	80-120%	---	---	
Bromobenzene	19.1	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Bromochloromethane	27.8	0.500	1.00	ug/L	1	20.0	---	139	80-120%	---	---	Q-56
Bromodichloromethane	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Bromoform	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Bromomethane	13.1	5.00	5.00	ug/L	1	20.0	---	66	80-120%	---	---	Q-55
2-Butanone (MEK)	50.9	5.00	10.0	ug/L	1	40.0	---	127	80-120%	---	---	Q-56
n-Butylbenzene	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
sec-Butylbenzene	23.7	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
tert-Butylbenzene	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Carbon disulfide	22.5	5.00	10.0	ug/L	1	20.0	---	113	80-120%	---	---	
Carbon tetrachloride	20.3	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Chlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Chloroethane	16.3	5.00	5.00	ug/L	1	20.0	---	82	80-120%	---	---	
Chloroform	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Chloromethane	22.9	2.50	5.00	ug/L	1	20.0	---	114	80-120%	---	---	
2-Chlorotoluene	20.4	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
4-Chlorotoluene	23.3	0.500	1.00	ug/L	1	20.0	---	116	80-120%	---	---	
Dibromochloromethane	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,2-Dibromo-3-chloropropane	18.1	2.50	5.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,2-Dibromoethane (EDB)	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Dibromomethane	20.9	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,2-Dichlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,3-Dichlorobenzene	20.7	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,4-Dichlorobenzene	20.0	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Dichlorodifluoromethane	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1-Dichloroethane	23.5	0.200	0.400	ug/L	1	20.0	---	118	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
LCS (23C0401-BS1)						Prepared: 03/10/23 09:26 Analyzed: 03/10/23 09:55						
1,2-Dichloroethane (EDC)	22.4	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	
1,1-Dichloroethene	25.7	0.200	0.400	ug/L	1	20.0	---	129	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	23.0	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
trans-1,2-Dichloroethene	23.8	0.200	0.400	ug/L	1	20.0	---	119	80-120%	---	---	
1,2-Dichloropropane	22.6	0.250	0.500	ug/L	1	20.0	---	113	80-120%	---	---	
1,3-Dichloropropane	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
2,2-Dichloropropane	22.0	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
1,1-Dichloropropene	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
cis-1,3-Dichloropropene	22.7	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
trans-1,3-Dichloropropene	23.9	0.500	1.00	ug/L	1	20.0	---	120	80-120%	---	---	
Ethylbenzene	21.9	0.250	0.500	ug/L	1	20.0	---	110	80-120%	---	---	
Hexachlorobutadiene	17.8	2.50	5.00	ug/L	1	20.0	---	89	80-120%	---	---	
2-Hexanone	47.8	5.00	10.0	ug/L	1	40.0	---	119	80-120%	---	---	
Isopropylbenzene	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
4-Isopropyltoluene	22.3	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
Methylene chloride	21.5	5.00	10.0	ug/L	1	20.0	---	107	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	50.8	5.00	10.0	ug/L	1	40.0	---	127	80-120%	---	---	Q-56
Methyl tert-butyl ether (MTBE)	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Naphthalene	18.8	1.00	2.00	ug/L	1	20.0	---	94	80-120%	---	---	
n-Propylbenzene	23.5	0.250	0.500	ug/L	1	20.0	---	118	80-120%	---	---	
Styrene	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1,1,2-Tetrachloroethane	19.5	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
1,1,2,2-Tetrachloroethane	25.8	0.250	0.500	ug/L	1	20.0	---	129	80-120%	---	---	Q-56
Tetrachloroethene (PCE)	18.9	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
Toluene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2,3-Trichlorobenzene	18.3	1.00	2.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2,4-Trichlorobenzene	17.8	1.00	2.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,1,1-Trichloroethane	21.1	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
1,1,2-Trichloroethane	21.1	0.250	0.500	ug/L	1	20.0	---	105	80-120%	---	---	
Trichloroethene (TCE)	17.8	0.200	0.400	ug/L	1	20.0	---	89	80-120%	---	---	
Trichlorofluoromethane	22.2	1.00	2.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2,3-Trichloropropane	23.2	0.500	1.00	ug/L	1	20.0	---	116	80-120%	---	---	
1,2,4-Trimethylbenzene	23.1	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
1,3,5-Trimethylbenzene	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 40 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
LCS (23C0401-BS1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 09:55							
Vinyl chloride	18.1	0.200	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
m,p-Xylene	45.2	0.500	1.00	ug/L	1	40.0	---	113	80-120%	---	---	
o-Xylene	20.9	0.250	0.500	ug/L	1	20.0	---	105	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 95 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		104 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		91 %		80-120 %		"						

Duplicate (23C0401-DUP1)

Prepared: 03/10/23 09:26 Analyzed: 03/10/23 13:16

QC Source Sample: Non-SDG (A3C0099-04)

Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	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%

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
Duplicate (23C0401-DUP1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 13:16							
QC Source Sample: Non-SDG (A3C0099-04)												
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	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	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	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	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)	0.320	0.200	0.400	ug/L	1	---	0.370	---	---	14	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	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%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
Duplicate (23C0401-DUP1)			Prepared: 03/10/23 09:26 Analyzed: 03/10/23 13:16									
QC Source Sample: Non-SDG (A3C0099-04)												
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	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 98 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		107 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		80-120 %		"						

Matrix Spike (23C0401-MS1)

Prepared: 03/10/23 09:26 Analyzed: 03/10/23 14:00

QC Source Sample: Non-SDG (A3C0099-06)

EPA 8260D

Acetone	49.6	10.0	20.0	ug/L	1	40.0	ND	124	39-160%	---	---	
Acrylonitrile	23.9	1.00	2.00	ug/L	1	20.0	ND	119	63-135%	---	---	
Benzene	22.2	0.100	0.200	ug/L	1	20.0	ND	111	79-120%	---	---	
Bromobenzene	19.1	0.250	0.500	ug/L	1	20.0	ND	96	80-120%	---	---	
Bromochloromethane	28.6	0.500	1.00	ug/L	1	20.0	ND	143	78-123%	---	---	Q-54b
Bromodichloromethane	21.5	0.500	1.00	ug/L	1	20.0	ND	107	79-125%	---	---	
Bromoform	19.0	0.500	1.00	ug/L	1	20.0	ND	95	66-130%	---	---	
Bromomethane	14.8	5.00	5.00	ug/L	1	20.0	ND	74	53-141%	---	---	Q-54i
2-Butanone (MEK)	51.9	5.00	10.0	ug/L	1	40.0	ND	130	56-143%	---	---	Q-54f
n-Butylbenzene	25.0	0.500	1.00	ug/L	1	20.0	ND	125	75-128%	---	---	
sec-Butylbenzene	24.4	0.500	1.00	ug/L	1	20.0	ND	122	77-126%	---	---	
tert-Butylbenzene	23.9	0.500	1.00	ug/L	1	20.0	ND	119	78-124%	---	---	
Carbon disulfide	23.6	5.00	10.0	ug/L	1	20.0	ND	118	64-133%	---	---	
Carbon tetrachloride	20.6	0.500	1.00	ug/L	1	20.0	ND	103	72-136%	---	---	
Chlorobenzene	20.3	0.250	0.500	ug/L	1	20.0	ND	101	80-120%	---	---	
Chloroethane	17.4	5.00	5.00	ug/L	1	20.0	ND	87	60-138%	---	---	
Chloroform	22.0	0.500	1.00	ug/L	1	20.0	ND	110	79-124%	---	---	
Chloromethane	24.6	2.50	5.00	ug/L	1	20.0	ND	123	50-139%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 43 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water						
Matrix Spike (23C0401-MS1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 14:00							
QC Source Sample: Non-SDG (A3C0099-06)												
2-Chlorotoluene	20.3	0.500	1.00	ug/L	1	20.0	ND	102	79-122%	---	---	
4-Chlorotoluene	23.5	0.500	1.00	ug/L	1	20.0	ND	118	78-122%	---	---	
Dibromochloromethane	20.0	0.500	1.00	ug/L	1	20.0	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	18.0	2.50	5.00	ug/L	1	20.0	ND	90	62-128%	---	---	
1,2-Dibromoethane (EDB)	20.9	0.250	0.500	ug/L	1	20.0	ND	104	77-121%	---	---	
Dibromomethane	20.7	0.500	1.00	ug/L	1	20.0	ND	104	79-123%	---	---	
1,2-Dichlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
1,3-Dichlorobenzene	20.5	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
1,4-Dichlorobenzene	20.0	0.250	0.500	ug/L	1	20.0	ND	100	79-120%	---	---	
Dichlorodifluoromethane	21.6	0.500	1.00	ug/L	1	20.0	ND	108	32-152%	---	---	
1,1-Dichloroethane	24.1	0.200	0.400	ug/L	1	20.0	ND	120	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.8	0.200	0.400	ug/L	1	20.0	ND	114	73-128%	---	---	
1,1-Dichloroethene	26.8	0.200	0.400	ug/L	1	20.0	ND	134	71-131%	---	---	Q-54g
cis-1,2-Dichloroethene	23.4	0.200	0.400	ug/L	1	20.0	ND	117	78-123%	---	---	
trans-1,2-Dichloroethene	24.5	0.200	0.400	ug/L	1	20.0	ND	123	75-124%	---	---	
1,2-Dichloropropane	23.2	0.250	0.500	ug/L	1	20.0	ND	116	78-122%	---	---	
1,3-Dichloropropane	22.0	0.500	1.00	ug/L	1	20.0	ND	110	80-120%	---	---	
2,2-Dichloropropane	22.0	0.500	1.00	ug/L	1	20.0	ND	110	60-139%	---	---	
1,1-Dichloropropene	22.3	0.500	1.00	ug/L	1	20.0	ND	112	79-125%	---	---	
cis-1,3-Dichloropropene	20.5	0.500	1.00	ug/L	1	20.0	ND	103	75-124%	---	---	
trans-1,3-Dichloropropene	23.8	0.500	1.00	ug/L	1	20.0	ND	119	73-127%	---	---	
Ethylbenzene	22.3	0.250	0.500	ug/L	1	20.0	ND	111	79-121%	---	---	
Hexachlorobutadiene	18.5	2.50	5.00	ug/L	1	20.0	ND	92	66-134%	---	---	
2-Hexanone	48.1	5.00	10.0	ug/L	1	40.0	ND	120	57-139%	---	---	
Isopropylbenzene	21.6	0.500	1.00	ug/L	1	20.0	ND	108	72-131%	---	---	
4-Isopropyltoluene	23.0	0.500	1.00	ug/L	1	20.0	ND	115	77-127%	---	---	
Methylene chloride	21.3	5.00	10.0	ug/L	1	20.0	ND	106	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	52.4	5.00	10.0	ug/L	1	40.0	ND	131	67-130%	---	---	Q-54f
Methyl tert-butyl ether (MTBE)	19.7	0.500	1.00	ug/L	1	20.0	ND	99	71-124%	---	---	
Naphthalene	19.1	1.00	2.00	ug/L	1	20.0	ND	96	61-128%	---	---	
n-Propylbenzene	24.2	0.250	0.500	ug/L	1	20.0	ND	121	76-126%	---	---	
Styrene	20.6	0.500	1.00	ug/L	1	20.0	ND	103	78-123%	---	---	
1,1,1,2-Tetrachloroethane	19.3	0.200	0.400	ug/L	1	20.0	ND	97	78-124%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 44 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0401 - EPA 5030C						Water							
Matrix Spike (23C0401-MS1)			Prepared: 03/10/23 09:26		Analyzed: 03/10/23 14:00								
QC Source Sample: Non-SDG (A3C0099-06)													
1,1,2,2-Tetrachloroethane	25.9	0.250	0.500	ug/L	1	20.0	ND	129	71-121%	---	---	Q-54g	
Tetrachloroethene (PCE)	19.4	0.200	0.400	ug/L	1	20.0	0.320	96	74-129%	---	---		
Toluene	21.7	0.500	1.00	ug/L	1	20.0	ND	108	80-121%	---	---		
1,2,3-Trichlorobenzene	18.5	1.00	2.00	ug/L	1	20.0	ND	92	69-129%	---	---		
1,2,4-Trichlorobenzene	17.8	1.00	2.00	ug/L	1	20.0	ND	89	69-130%	---	---		
1,1,1-Trichloroethane	21.7	0.200	0.400	ug/L	1	20.0	ND	108	74-131%	---	---		
1,1,2-Trichloroethane	20.8	0.250	0.500	ug/L	1	20.0	ND	104	80-120%	---	---		
Trichloroethene (TCE)	18.2	0.200	0.400	ug/L	1	20.0	ND	91	79-123%	---	---		
Trichlorofluoromethane	23.2	1.00	2.00	ug/L	1	20.0	ND	116	65-141%	---	---		
1,2,3-Trichloropropane	22.8	0.500	1.00	ug/L	1	20.0	ND	114	73-122%	---	---		
1,2,4-Trimethylbenzene	23.5	0.500	1.00	ug/L	1	20.0	ND	117	76-124%	---	---		
1,3,5-Trimethylbenzene	22.7	0.500	1.00	ug/L	1	20.0	ND	114	75-124%	---	---		
Vinyl chloride	19.2	0.200	0.400	ug/L	1	20.0	ND	96	58-137%	---	---		
m,p-Xylene	46.2	0.500	1.00	ug/L	1	40.0	ND	116	80-121%	---	---		
o-Xylene	21.1	0.250	0.500	ug/L	1	20.0	ND	106	78-122%	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		103 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		91 %		80-120 %		"							

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 45 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0498 - EPA 5030C						Water							
Blank (23C0498-BLK1)			Prepared: 03/14/23 09:00		Analyzed: 03/15/23 10:58								
EPA 8260D													
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 112 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		101 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		106 %		80-120 %		"							
LCS (23C0498-BS1)			Prepared: 03/14/23 09:00		Analyzed: 03/15/23 10:04								
EPA 8260D													
Benzene	19.8	0.100	0.200	ug/L	1	20.0	---	99	80-120%	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 103 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		98 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		89 %		80-120 %		"							
Duplicate (23C0498-DUP1)			Prepared: 03/14/23 10:44		Analyzed: 03/15/23 14:08								
QC Source Sample: Non-SDG (A3C0414-01)													
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 107 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		101 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		94 %		80-120 %		"							
Duplicate (23C0498-DUP2)			Prepared: 03/14/23 10:44		Analyzed: 03/15/23 15:03								
QC Source Sample: Non-SDG (A3C0414-02)													
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 106 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		101 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		95 %		80-120 %		"							
Matrix Spike (23C0498-MS1)			Prepared: 03/14/23 10:44		Analyzed: 03/15/23 16:51								CONT
QC Source Sample: Non-SDG (A3C0272-03)													
EPA 8260D													
Benzene	20.2	0.100	0.200	ug/L	1	20.0	ND	101	79-120%	---	---		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x							

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0498 - EPA 5030C							Water					
Matrix Spike (23C0498-MS1)			Prepared: 03/14/23 10:44 Analyzed: 03/15/23 16:51								CONT	
QC Source Sample: Non-SDG (A3C0272-03)												
Surr: Toluene-d8 (Surr)		Recovery: 95 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		89 %		80-120 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0807 - EPA 5030C						Water						
Blank (23C0807-BLK1)			Prepared: 03/21/23 09:00 Analyzed: 03/21/23 16:26									
EPA 8260D SIM												
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 105 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		99 %		80-120 %		"						
LCS (23C0807-BS1)			Prepared: 03/21/23 09:00 Analyzed: 03/21/23 15:32									
EPA 8260D SIM												
1,1-Dichloroethene	0.242	0.0100	0.0200	ug/L	1	0.200	---	121	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	0.233	0.0100	0.0200	ug/L	1	0.200	---	116	80-120%	---	---	
trans-1,2-Dichloroethene	0.235	0.0100	0.0200	ug/L	1	0.200	---	118	80-120%	---	---	
Trichloroethene (TCE)	0.213	0.0100	0.0200	ug/L	1	0.200	---	107	80-120%	---	---	
Vinyl chloride	0.262	0.0100	0.0200	ug/L	1	0.200	---	131	80-120%	---	---	Q-56
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		98 %		80-120 %		"						
Duplicate (23C0807-DUP1)			Prepared: 03/21/23 09:00 Analyzed: 03/21/23 17:20									
QC Source Sample: GS-030823-01 (A3C0314-01)												
EPA 8260D SIM												
1,1-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 104 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		95 %		80-120 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 48 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0807 - EPA 5030C						Water						
Matrix Spike (23C0807-MS1)			Prepared: 03/21/23 09:00 Analyzed: 03/21/23 18:41									
QC Source Sample: Non-SDG (A3C0365-01)												
EPA 8260D SIM												
1,1-Dichloroethene	6.40	0.250	0.500	ug/L	25	5.00	ND	128	71-131%	---	---	Q-54
cis-1,2-Dichloroethene	6.19	0.250	0.500	ug/L	25	5.00	ND	124	78-123%	---	---	Q-01
trans-1,2-Dichloroethene	6.30	0.250	0.500	ug/L	25	5.00	ND	126	75-124%	---	---	Q-01
Trichloroethene (TCE)	5.57	0.250	0.500	ug/L	25	5.00	ND	111	79-123%	---	---	
Vinyl chloride	6.93	0.250	0.500	ug/L	25	5.00	ND	139	58-137%	---	---	Q-54a
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 104 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		93 %		80-120 %		"						
Matrix Spike Dup (23C0807-MSD1)			Prepared: 03/21/23 09:00 Analyzed: 03/21/23 19:08									
QC Source Sample: Non-SDG (A3C0365-01)												
1,1-Dichloroethene	6.23	0.250	0.500	ug/L	25	5.00	ND	125	71-131%	3	30%	Q-54
cis-1,2-Dichloroethene	6.17	0.250	0.500	ug/L	25	5.00	ND	123	78-123%	0.4	30%	
trans-1,2-Dichloroethene	6.14	0.250	0.500	ug/L	25	5.00	ND	123	75-124%	3	30%	
Trichloroethene (TCE)	5.59	0.250	0.500	ug/L	25	5.00	ND	112	79-123%	0.4	30%	
Vinyl chloride	6.71	0.250	0.500	ug/L	25	5.00	ND	134	58-137%	3	30%	Q-54a
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 105 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		99 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		93 %		80-120 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0359 - EPA 3511 (Bottle Extraction)						Water						
Blank (23C0359-BLK1)			Prepared: 03/09/23 11:36 Analyzed: 03/09/23 13:56									
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)fluoranthene	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: 118 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		118 %		80-132 %		"						

LCS (23C0359-BS1)

Prepared: 03/09/23 11:36 Analyzed: 03/09/23 14:26

EPA 8270E LVI												
Acenaphthene	1.53	0.0160	0.0320	ug/L	1	1.60	---	96	80-120%	---	---	
Acenaphthylene	1.72	0.0160	0.0320	ug/L	1	1.60	---	107	80-124%	---	---	
Anthracene	1.68	0.0160	0.0320	ug/L	1	1.60	---	105	80-123%	---	---	
Benz(a)anthracene	1.70	0.00800	0.0160	ug/L	1	1.60	---	106	80-122%	---	---	
Benzo(a)pyrene	1.91	0.00800	0.0160	ug/L	1	1.60	---	120	80-129%	---	---	
Benzo(b)fluoranthene	1.76	0.00800	0.0160	ug/L	1	1.60	---	110	80-124%	---	---	
Benzo(k)fluoranthene	1.86	0.00800	0.0160	ug/L	1	1.60	---	116	80-125%	---	---	
Benzo(g,h,i)perylene	1.63	0.0160	0.0320	ug/L	1	1.60	---	102	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0359 - EPA 3511 (Bottle Extraction)						Water						
LCS (23C0359-BS1)			Prepared: 03/09/23 11:36 Analyzed: 03/09/23 14:26									
Chrysene	1.61	0.00800	0.0160	ug/L	1	1.60	---	100	80-120%	---	---	
Dibenz(a,h)anthracene	1.52	0.00800	0.0160	ug/L	1	1.60	---	95	80-120%	---	---	
Fluoranthene	1.57	0.0160	0.0320	ug/L	1	1.60	---	98	80-126%	---	---	
Fluorene	1.60	0.0160	0.0320	ug/L	1	1.60	---	100	77-127%	---	---	
Indeno(1,2,3-cd)pyrene	1.49	0.00800	0.0160	ug/L	1	1.60	---	93	80-121%	---	---	
1-Methylnaphthalene	1.50	0.0320	0.0640	ug/L	1	1.60	---	94	53-148%	---	---	
2-Methylnaphthalene	1.51	0.0320	0.0640	ug/L	1	1.60	---	94	48-150%	---	---	
Naphthalene	1.59	0.0320	0.0640	ug/L	1	1.60	---	100	78-120%	---	---	
Phenanthrene	1.50	0.0320	0.0640	ug/L	1	1.60	---	94	80-120%	---	---	
Pyrene	1.56	0.0160	0.0320	ug/L	1	1.60	---	97	80-125%	---	---	
Carbazole	1.87	0.0160	0.0320	ug/L	1	1.60	---	117	65-141%	---	---	
Dibenzofuran	1.67	0.0160	0.0320	ug/L	1	1.60	---	104	76-121%	---	---	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 118 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		123 %		80-132 %		"						

LCS Dup (23C0359-BSD1)			Prepared: 03/09/23 11:36 Analyzed: 03/09/23 14:59								Q-19	
EPA 8270E LVI												
Acenaphthene	1.54	0.0160	0.0320	ug/L	1	1.60	---	96	80-120%	0.4	30%	
Acenaphthylene	1.69	0.0160	0.0320	ug/L	1	1.60	---	106	80-124%	1	30%	
Anthracene	1.61	0.0160	0.0320	ug/L	1	1.60	---	101	80-123%	4	30%	
Benz(a)anthracene	1.70	0.00800	0.0160	ug/L	1	1.60	---	106	80-122%	0.09	30%	
Benzo(a)pyrene	1.86	0.00800	0.0160	ug/L	1	1.60	---	116	80-129%	3	30%	
Benzo(b)fluoranthene	1.78	0.00800	0.0160	ug/L	1	1.60	---	111	80-124%	0.7	30%	
Benzo(k)fluoranthene	1.85	0.00800	0.0160	ug/L	1	1.60	---	115	80-125%	0.5	30%	
Benzo(g,h,i)perylene	1.65	0.0160	0.0320	ug/L	1	1.60	---	103	80-120%	1	30%	
Chrysene	1.61	0.00800	0.0160	ug/L	1	1.60	---	100	80-120%	0.02	30%	
Dibenz(a,h)anthracene	1.50	0.00800	0.0160	ug/L	1	1.60	---	94	80-120%	1	30%	
Fluoranthene	1.53	0.0160	0.0320	ug/L	1	1.60	---	95	80-126%	3	30%	
Fluorene	1.59	0.0160	0.0320	ug/L	1	1.60	---	99	77-127%	0.6	30%	
Indeno(1,2,3-cd)pyrene	1.48	0.00800	0.0160	ug/L	1	1.60	---	92	80-121%	0.4	30%	
1-Methylnaphthalene	1.51	0.0320	0.0640	ug/L	1	1.60	---	94	53-148%	0.5	30%	
2-Methylnaphthalene	1.49	0.0320	0.0640	ug/L	1	1.60	---	93	48-150%	1	30%	
Naphthalene	1.59	0.0320	0.0640	ug/L	1	1.60	---	100	78-120%	0.08	30%	
Phenanthrene	1.50	0.0320	0.0640	ug/L	1	1.60	---	94	80-120%	0.3	30%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0359 - EPA 3511 (Bottle Extraction)						Water						
LCS Dup (23C0359-BSD1)			Prepared: 03/09/23 11:36 Analyzed: 03/09/23 14:59								Q-19	
Pyrene	1.52	0.0160	0.0320	ug/L	1	1.60	---	95	80-125%	2	30%	
Carbazole	1.86	0.0160	0.0320	ug/L	1	1.60	---	116	65-141%	0.7	30%	
Dibenzofuran	1.66	0.0160	0.0320	ug/L	1	1.60	---	104	76-121%	0.7	30%	
Surr: Acenaphthylene-d8 (Surr)		Recovery: 117 %		Limits: 78-134 %		Dilution: 1x						
Benzo(a)pyrene-d12 (Surr)		121 %		80-132 %		"						

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0719 - EPA 3015A						Water						
Blank (23C0719-BLK1)			Prepared: 03/20/23 07:48		Analyzed: 03/20/23 23:25							
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 (23C0719-BS1)

Prepared: 03/20/23 07:48 Analyzed: 03/20/23 23:30

EPA 6020B												
Aluminum	2820	25.0	50.0	ug/L	1	2780	---	101	80-120%	---	---	
Antimony	27.5	0.500	1.00	ug/L	1	27.8	---	99	80-120%	---	---	
Arsenic	54.7	0.500	1.00	ug/L	1	55.6	---	99	80-120%	---	---	
Barium	55.3	1.00	2.00	ug/L	1	55.6	---	100	80-120%	---	---	
Beryllium	27.3	0.100	0.200	ug/L	1	27.8	---	98	80-120%	---	---	
Cadmium	53.8	0.100	0.200	ug/L	1	55.6	---	97	80-120%	---	---	
Chromium	54.8	1.00	2.00	ug/L	1	55.6	---	99	80-120%	---	---	
Copper	58.4	1.00	2.00	ug/L	1	55.6	---	105	80-120%	---	---	
Iron	2950	25.0	50.0	ug/L	1	2780	---	106	80-120%	---	---	
Lead	56.2	0.110	0.200	ug/L	1	55.6	---	101	80-120%	---	---	
Manganese	56.0	0.500	1.00	ug/L	1	55.6	---	101	80-120%	---	---	
Mercury	1.04	0.0400	0.0800	ug/L	1	1.11	---	94	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

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 23C0719 - EPA 3015A						Water						
LCS (23C0719-BS1)				Prepared: 03/20/23 07:48		Analyzed: 03/20/23 23:30						
Nickel	56.5	1.00	2.00	ug/L	1	55.6	---	102	80-120%	---	---	Q-41
Selenium	28.4	0.500	1.00	ug/L	1	27.8	---	102	80-120%	---	---	
Silver	27.1	0.100	0.200	ug/L	1	27.8	---	97	80-120%	---	---	
Thallium	27.5	0.100	0.200	ug/L	1	27.8	---	99	80-120%	---	---	
Vanadium	55.2	1.00	2.00	ug/L	1	55.6	---	99	80-120%	---	---	
Zinc	54.7	2.00	4.00	ug/L	1	55.6	---	98	80-120%	---	---	
Duplicate (23C0719-DUP1)				Prepared: 03/20/23 07:48		Analyzed: 03/20/23 23:41						
QC Source Sample: Non-SDG (A3C0310-01)												
Aluminum	ND	25.0	50.0	ug/L	1	---	ND	---	---	---	20%	J
Antimony	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Arsenic	2.87	0.500	1.00	ug/L	1	---	2.90	---	---	1	20%	
Barium	72.5	1.00	2.00	ug/L	1	---	73.7	---	---	2	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	30900	25.0	50.0	ug/L	1	---	31200	---	---	0.8	20%	
Lead	0.133	0.110	0.200	ug/L	1	---	0.119	---	---	11	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Nickel	2.56	1.00	2.00	ug/L	1	---	1.52	---	---	51	20%	Q-05
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	6.93	2.00	4.00	ug/L	1	---	6.43	---	---	8	20%	
Duplicate (23C0719-DUP2)				Prepared: 03/20/23 07:48		Analyzed: 03/21/23 15:31						
QC Source Sample: Non-SDG (A3C0310-01RE1)												
Manganese	8390	25.0	50.0	ug/L	50	---	8210	---	---	2	20%	Q-16
Matrix Spike (23C0719-MS1)				Prepared: 03/20/23 07:48		Analyzed: 03/20/23 23:46						
OC Source Sample: Non-SDG (A3C0310-01)												

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0719 - EPA 3015A						Water						
Matrix Spike (23C0719-MS1)				Prepared: 03/20/23 07:48 Analyzed: 03/20/23 23:46								
QC Source Sample: Non-SDG (A3C0310-01)												
EPA 6020B												
Aluminum	2840	25.0	50.0	ug/L	1	2780	ND	102	75-125%	---	---	
Antimony	28.7	0.500	1.00	ug/L	1	27.8	ND	103	75-125%	---	---	
Arsenic	58.6	0.500	1.00	ug/L	1	55.6	2.90	100	75-125%	---	---	
Barium	137	1.00	2.00	ug/L	1	55.6	73.7	114	75-125%	---	---	
Beryllium	28.0	0.100	0.200	ug/L	1	27.8	ND	101	75-125%	---	---	
Cadmium	54.4	0.100	0.200	ug/L	1	55.6	ND	98	75-125%	---	---	
Chromium	55.1	1.00	2.00	ug/L	1	55.6	ND	99	75-125%	---	---	
Copper	54.2	1.00	2.00	ug/L	1	55.6	ND	98	75-125%	---	---	
Iron	34000	25.0	50.0	ug/L	1	2780	31200	103	75-125%	---	---	
Lead	55.3	0.110	0.200	ug/L	1	55.6	0.119	99	75-125%	---	---	
Manganese	8660	0.500	1.00	ug/L	1	55.6	8610	76	75-125%	---	---	E
Mercury	1.08	0.0400	0.0800	ug/L	1	1.11	ND	97	75-125%	---	---	
Nickel	56.9	1.00	2.00	ug/L	1	55.6	1.52	100	75-125%	---	---	
Selenium	29.0	0.500	1.00	ug/L	1	27.8	ND	105	75-125%	---	---	Q-41
Silver	27.3	0.100	0.200	ug/L	1	27.8	ND	98	75-125%	---	---	
Thallium	26.9	0.100	0.200	ug/L	1	27.8	ND	97	75-125%	---	---	
Vanadium	56.4	1.00	2.00	ug/L	1	55.6	ND	101	75-125%	---	---	
Zinc	61.2	2.00	4.00	ug/L	1	55.6	6.43	99	75-125%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0460 - Lachat Micro Dist - aqueous						Water						
Blank (23C0460-BLK1)			Prepared: 03/13/23 10:12 Analyzed: 03/13/23 16:28									
EPA 335.4												
Total Cyanide	ND	0.00500	0.00500	mg/L	1	---	---	---	---	---	---	B-02
LCS (23C0460-BS1)			Prepared: 03/13/23 10:12 Analyzed: 03/13/23 16:38									
EPA 335.4												
Total Cyanide	0.253	0.00500	0.00500	mg/L	1	0.250	---	101	90-110%	---	---	B-02
Duplicate (23C0460-DUP2)			Prepared: 03/13/23 10:12 Analyzed: 03/13/23 18:00									
QC Source Sample: Non-SDG (A3C0365-01RE1)												
Total Cyanide	0.137	0.00500	0.00500	mg/L	1	---	0.137	---	---	0.07	10%	B-02, Q-16
Matrix Spike (23C0460-MS2)			Prepared: 03/13/23 10:12 Analyzed: 03/13/23 18:02									
QC Source Sample: Non-SDG (A3C0365-01RE1)												
EPA 335.4												
Total Cyanide	0.376	0.00500	0.00500	mg/L	1	0.250	0.137	95	90-110%	---	---	B-02, Q-16

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 56 of 70



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0510 - Lachat Micro Dist - aqueous						Water						
Blank (23C0510-BLK1)			Prepared: 03/14/23 09:39 Analyzed: 03/14/23 13:28									
EPA 335.4												
Total Cyanide	ND	0.00500	0.00500	mg/L	1	---	---	---	---	---	---	
LCS (23C0510-BS1)			Prepared: 03/14/23 09:39 Analyzed: 03/14/23 13:30									
EPA 335.4												
Total Cyanide	0.227	0.00500	0.00500	mg/L	1	0.250	---	91	90-110%	---	---	
Duplicate (23C0510-DUP1)			Prepared: 03/14/23 09:39 Analyzed: 03/14/23 13:44									
QC Source Sample: Non-SDG (A3C0365-02RE1)												
Total Cyanide	0.0403	0.00500	0.00500	mg/L	1	---	0.0412	---	---	2	10%	
Matrix Spike (23C0510-MS1)			Prepared: 03/14/23 09:39 Analyzed: 03/14/23 13:46									
QC Source Sample: Non-SDG (A3C0365-02RE1)												
EPA 335.4												
Total Cyanide	0.108	0.00500	0.00500	mg/L	1	0.250	0.0412	27	90-110%	---	---	Q-01

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****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 23C0622 - Method Prep: Aq						Water						
Blank (23C0622-BLK1)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 12:52									
<u>D6888-09</u>												
Available Cyanide	ND	0.00100	0.00200	mg/L	1	---	---	---	---	---	---	
LCS (23C0622-BS1)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 12:53									
<u>D6888-09</u>												
Available Cyanide	0.0237	0.00100	0.00200	mg/L	1	0.0250	---	95	90-117%	---	---	
Matrix Spike (23C0622-MS1)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 13:07									
<u>QC Source Sample: Non-SDG (A3C0365-01)</u>												
<u>D6888-09</u>												
Available Cyanide	0.0250	0.00101	0.00201	mg/L	1	0.0251	ND	100	82-130%	---	---	
Matrix Spike (23C0622-MS2)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 13:22									
<u>QC Source Sample: Non-SDG (A3C0390-01)</u>												
<u>D6888-09</u>												
Available Cyanide	0.0263	0.00101	0.00201	mg/L	1	0.0251	ND	105	82-130%	---	---	
Matrix Spike Dup (23C0622-MSD1)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 13:08									
<u>QC Source Sample: Non-SDG (A3C0365-01)</u>												
Available Cyanide	0.0263	0.00101	0.00201	mg/L	1	0.0251	ND	105	82-130%	5	11%	
Matrix Spike Dup (23C0622-MSD2)			Prepared: 03/16/23 10:48 Analyzed: 03/16/23 13:23									
<u>QC Source Sample: Non-SDG (A3C0390-01)</u>												
Available Cyanide	0.0265	0.00101	0.00201	mg/L	1	0.0251	ND	106	82-130%	1	11%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

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 23C0410 - Microdiffusion						Water						
Blank (23C0410-BLK1)			Prepared: 03/10/23 10:22 Analyzed: 03/10/23 14:55									
<u>D4282-02</u>												
Free Cyanide	ND	0.00250	0.00500	mg/L	1	---	---	---	---	---	---	
LCS (23C0410-BS1)			Prepared: 03/10/23 10:22 Analyzed: 03/10/23 14:56									
<u>D4282-02</u>												
Free Cyanide	0.0611	0.00250	0.00500	mg/L	1	0.0667	---	92	74-120%	---	---	
LCS Dup (23C0410-BSD1)			Prepared: 03/10/23 10:22 Analyzed: 03/10/23 15:01									
<u>D4282-02</u>												
Free Cyanide	0.0617	0.00250	0.00500	mg/L	1	0.0667	---	93	74-120%	1	20%	
Duplicate (23C0410-DUP1)			Prepared: 03/10/23 10:22 Analyzed: 03/10/23 15:01									
<u>QC Source Sample: GS-030823-01 (A3C0314-01)</u>												
<u>D4282-02</u>												
Free Cyanide	ND	0.00250	0.00500	mg/L	1	---	ND	---	---	---	20%	
Matrix Spike (23C0410-MS1)			Prepared: 03/10/23 10:22 Analyzed: 03/10/23 15:06									
<u>QC Source Sample: GS-030823-01 (A3C0314-01)</u>												
<u>D4282-02</u>												
Free Cyanide	0.0649	0.00250	0.00500	mg/L	1	0.0667	ND	97	74-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 59 of 70



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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502**

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
Batch: 23C0401							
A3C0314-01RE1	WG	EPA 8260D	03/08/23 10:05	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
A3C0314-02RE1	WG	EPA 8260D	03/08/23 11:30	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
A3C0314-03RE1	WG	EPA 8260D	03/08/23 11:40	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
A3C0314-04RE1	WG	EPA 8260D	03/08/23 14:10	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
A3C0314-05RE1	WG	EPA 8260D	03/08/23 15:00	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
A3C0314-06	W	EPA 8260D	03/08/23 15:15	03/10/23 09:26	5mL/5mL	5mL/5mL	1.00
Batch: 23C0498							
A3C0314-04RE2	WG	EPA 8260D	03/08/23 14:10	03/14/23 14:00	5mL/5mL	5mL/5mL	1.00

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0807							
A3C0314-01	WG	EPA 8260D SIM	03/08/23 10:05	03/21/23 09:00	5mL/5mL	5mL/5mL	1.00

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
Batch: 23C0359							
A3C0314-01	WG	EPA 8270E LVI	03/08/23 10:05	03/09/23 11:36	87.71mL/5mL	125mL/5mL	1.43
A3C0314-02	WG	EPA 8270E LVI	03/08/23 11:30	03/09/23 11:36	106.02mL/5mL	125mL/5mL	1.18
A3C0314-02RE1	WG	EPA 8270E LVI	03/08/23 11:30	03/09/23 11:36	106.02mL/5mL	125mL/5mL	1.18
A3C0314-03	WG	EPA 8270E LVI	03/08/23 11:40	03/09/23 11:36	96.02mL/5mL	125mL/5mL	1.30
A3C0314-03RE1	WG	EPA 8270E LVI	03/08/23 11:40	03/09/23 11:36	96.02mL/5mL	125mL/5mL	1.30
A3C0314-04	WG	EPA 8270E LVI	03/08/23 14:10	03/09/23 11:36	105.72mL/5mL	125mL/5mL	1.18
A3C0314-05	WG	EPA 8270E LVI	03/08/23 15:00	03/09/23 11:36	115.02mL/5mL	125mL/5mL	1.09

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0719							
A3C0314-01	WG	EPA 6020B	03/08/23 10:05	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-01RE1	WG	EPA 6020B	03/08/23 10:05	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 60 of 70

**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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****SAMPLE PREPARATION INFORMATION****Total Metals by EPA 6020B (ICPMS)****Prep: EPA 3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A3C0314-01RE2	WG	EPA 6020B	03/08/23 10:05	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-02	WG	EPA 6020B	03/08/23 11:30	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-02RE2	WG	EPA 6020B	03/08/23 11:30	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-03	WG	EPA 6020B	03/08/23 11:40	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-03RE2	WG	EPA 6020B	03/08/23 11:40	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-04	WG	EPA 6020B	03/08/23 14:10	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-04RE1	WG	EPA 6020B	03/08/23 14:10	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-04RE2	WG	EPA 6020B	03/08/23 14:10	03/20/23 07:48	45mL/50mL	45mL/50mL	1.00
A3C0314-05	WG	EPA 6020B	03/08/23 15:00	03/20/23 07:48	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
Batch: 23C0460							
A3C0314-01RE1	WG	EPA 335.4	03/08/23 10:05	03/13/23 10:12	6mL/6mL	6mL/6mL	1.00
A3C0314-02	WG	EPA 335.4	03/08/23 11:30	03/13/23 10:12	6mL/6mL	6mL/6mL	1.00
A3C0314-03	WG	EPA 335.4	03/08/23 11:40	03/13/23 10:12	6mL/6mL	6mL/6mL	1.00
A3C0314-05	WG	EPA 335.4	03/08/23 15:00	03/13/23 10:12	6mL/6mL	6mL/6mL	1.00
Batch: 23C0510							
A3C0314-04RE2	WG	EPA 335.4	03/08/23 14:10	03/14/23 09:39	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
Batch: 23C0622							
A3C0314-01	WG	D6888-09	03/08/23 10:05	03/16/23 10:48	5mL/5mL	5mL/5mL	1.00
A3C0314-02	WG	D6888-09	03/08/23 11:30	03/16/23 10:48	5mL/5mL	5mL/5mL	1.00
A3C0314-03	WG	D6888-09	03/08/23 11:40	03/16/23 10:48	5mL/5mL	5mL/5mL	1.00
A3C0314-04	WG	D6888-09	03/08/23 14:10	03/16/23 10:48	5mL/5mL	5mL/5mL	1.00
A3C0314-05	WG	D6888-09	03/08/23 15:00	03/16/23 10:48	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
------------	--------	--------	---------	----------	-------------------------	--------------------------	-------------------

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**Project Number: **000029-02.84 T-01.001E**Project Manager: **John Renda****Report ID:****A3C0314 - 05 19 23 0502****SAMPLE PREPARATION INFORMATION****Free Cyanide by Microdiffusion/Colorimetric Spectrophotometry**Prep: Microdiffusion

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 23C0410</u>							
A3C0314-01	WG	D4282-02	03/08/23 10:05	03/10/23 10:22	3mL/3mL	3mL/3mL	1.00
A3C0314-02	WG	D4282-02	03/08/23 11:30	03/10/23 10:22	3mL/3mL	3mL/3mL	1.00
A3C0314-03	WG	D4282-02	03/08/23 11:40	03/10/23 10:22	3mL/3mL	3mL/3mL	1.00
A3C0314-04	WG	D4282-02	03/08/23 14:10	03/10/23 10:22	3mL/3mL	3mL/3mL	1.00
A3C0314-05	WG	D4282-02	03/08/23 15:00	03/10/23 10:22	3mL/3mL	3mL/3mL	1.00

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

QUALIFIER DEFINITIONS

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

Apex Laboratories

- B-02** Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- CONT** The Sample Container provided for this analysis was not provided by Apex Laboratories, and has not been verified as part of the Quality System.
- E** Estimated Value. The result is above the calibration range of the instrument.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-16** Reanalysis of an original Batch QC 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 +11%. 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 +19%. 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 +3%. 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 +4%. 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 +5%. The results are reported as Estimated Values.
- Q-54f** 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-54g** 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-54h** 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-54i** 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.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

- Q-54j** 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.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- V-01** Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- V-25** SIM Analysis was not performed due to the high analyte concentration in this sample.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

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).

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

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.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 1Q 2023 Perf. Mon.**

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

Project Manager: **John Renda**

Report ID:

A3C0314 - 05 19 23 0502

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
--------	----------	--------	---------	--------	---------------

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.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco-MGP Only Mon. Wells 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

CHAIN OF CUSTODY

APEX LABS

6700 SW Sandburg St., Tigard, OR 97223 PH: 503-718-2323

Lab # A3C0314 coc 1 of 1

Company: Anchor QEA	Project Mgr: John Renda	Project Name: Gasco - MGP Only Mon. Wells 1Q 2023 Perf. Mon.	Project #: 000029-02.84 T-01.001E
Address: 6720 S Macadam Ave. #125, Portland, OR 97219	Phone: 503-670-1108	Email: jrenda@anchorqea.com	PO #
Sampled by: Dery Luffman			
Site Location: (OR) WA CA AK ID			
SAMPLE ID	DATE	TIME	MATRIX
GS-030823-01	3/14/23	10:05	WGS 10
GS-030823-02	3/14/23	11:30	10
GS-030823-03	3/14/23	14:40	10
GS-030823-04	3/14/23	14:40	10
GS-030823-05	3/14/23	15:00	10
TB-030823	3/14/23	15:15	W 1
ANALYSIS REQUEST			
<input checked="" type="checkbox"/> 8260 Halo VOCs <input checked="" type="checkbox"/> 8260 RBDNI VOCs <input checked="" type="checkbox"/> 8260 BTEX <input checked="" type="checkbox"/> NWTPH-GX <input checked="" type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-HCID <input checked="" type="checkbox"/> # OF CONTAINERS <input checked="" type="checkbox"/> MATRIX <input checked="" type="checkbox"/> TIME <input checked="" type="checkbox"/> DATE <input checked="" type="checkbox"/> SAMPLE ID			
<input checked="" type="checkbox"/> 8081 PCBs <input checked="" type="checkbox"/> 8082 PCBs <input checked="" type="checkbox"/> 8083 PCBs <input checked="" type="checkbox"/> 8084 PCBs <input checked="" type="checkbox"/> 8085 PCBs <input checked="" type="checkbox"/> 8086 PCBs <input checked="" type="checkbox"/> 8087 PCBs <input checked="" type="checkbox"/> 8088 PCBs <input checked="" type="checkbox"/> 8089 PCBs <input checked="" type="checkbox"/> 8090 PCBs <input checked="" type="checkbox"/> 8091 PCBs <input checked="" type="checkbox"/> 8092 PCBs <input checked="" type="checkbox"/> 8093 PCBs <input checked="" type="checkbox"/> 8094 PCBs <input checked="" type="checkbox"/> 8095 PCBs <input checked="" type="checkbox"/> 8096 PCBs <input checked="" type="checkbox"/> 8097 PCBs <input checked="" type="checkbox"/> 8098 PCBs <input checked="" type="checkbox"/> 8099 PCBs <input checked="" type="checkbox"/> 8100 PCBs <input checked="" type="checkbox"/> 8101 PCBs <input checked="" type="checkbox"/> 8102 PCBs <input checked="" type="checkbox"/> 8103 PCBs <input checked="" type="checkbox"/> 8104 PCBs <input checked="" type="checkbox"/> 8105 PCBs <input checked="" type="checkbox"/> 8106 PCBs <input checked="" type="checkbox"/> 8107 PCBs <input checked="" type="checkbox"/> 8108 PCBs <input checked="" type="checkbox"/> 8109 PCBs <input checked="" type="checkbox"/> 8110 PCBs <input checked="" type="checkbox"/> 8111 PCBs <input checked="" type="checkbox"/> 8112 PCBs <input checked="" type="checkbox"/> 8113 PCBs <input checked="" type="checkbox"/> 8114 PCBs <input checked="" type="checkbox"/> 8115 PCBs <input checked="" type="checkbox"/> 8116 PCBs <input checked="" type="checkbox"/> 8117 PCBs <input checked="" type="checkbox"/> 8118 PCBs <input checked="" type="checkbox"/> 8119 PCBs <input checked="" type="checkbox"/> 8120 PCBs <input checked="" type="checkbox"/> 8121 PCBs <input checked="" type="checkbox"/> 8122 PCBs <input checked="" type="checkbox"/> 8123 PCBs <input checked="" type="checkbox"/> 8124 PCBs <input checked="" type="checkbox"/> 8125 PCBs <input checked="" type="checkbox"/> 8126 PCBs <input checked="" type="checkbox"/> 8127 PCBs <input checked="" type="checkbox"/> 8128 PCBs <input checked="" type="checkbox"/> 8129 PCBs <input checked="" type="checkbox"/> 8130 PCBs <input checked="" type="checkbox"/> 8131 PCBs <input checked="" type="checkbox"/> 8132 PCBs <input checked="" type="checkbox"/> 8133 PCBs <input checked="" type="checkbox"/> 8134 PCBs <input checked="" type="checkbox"/> 8135 PCBs <input checked="" type="checkbox"/> 8136 PCBs <input checked="" type="checkbox"/> 8137 PCBs <input checked="" type="checkbox"/> 8138 PCBs <input checked="" type="checkbox"/> 8139 PCBs <input checked="" type="checkbox"/> 8140 PCBs <input checked="" type="checkbox"/> 8141 PCBs <input checked="" type="checkbox"/> 8142 PCBs <input checked="" type="checkbox"/> 8143 PCBs <input checked="" type="checkbox"/> 8144 PCBs <input checked="" type="checkbox"/> 8145 PCBs <input checked="" type="checkbox"/> 8146 PCBs <input checked="" type="checkbox"/> 8147 PCBs <input checked="" type="checkbox"/> 8148 PCBs <input checked="" type="checkbox"/> 8149 PCBs <input checked="" type="checkbox"/> 8150 PCBs <input checked="" type="checkbox"/> 8151 PCBs <input checked="" type="checkbox"/> 8152 PCBs <input checked="" type="checkbox"/> 8153 PCBs <input checked="" type="checkbox"/> 8154 PCBs <input checked="" type="checkbox"/> 8155 PCBs <input checked="" type="checkbox"/> 8156 PCBs <input checked="" type="checkbox"/> 8157 PCBs <input checked="" type="checkbox"/> 8158 PCBs <input checked="" type="checkbox"/> 8159 PCBs <input checked="" type="checkbox"/> 8160 PCBs <input checked="" type="checkbox"/> 8161 PCBs <input checked="" type="checkbox"/> 8162 PCBs <input checked="" type="checkbox"/> 8163 PCBs <input checked="" type="checkbox"/> 8164 PCBs <input checked="" type="checkbox"/> 8165 PCBs <input checked="" type="checkbox"/> 8166 PCBs <input checked="" type="checkbox"/> 8167 PCBs <input checked="" type="checkbox"/> 8168 PCBs <input checked="" type="checkbox"/> 8169 PCBs <input checked="" type="checkbox"/> 8170 PCBs <input checked="" type="checkbox"/> 8171 PCBs <input checked="" type="checkbox"/> 8172 PCBs <input checked="" type="checkbox"/> 8173 PCBs <input checked="" type="checkbox"/> 8174 PCBs <input checked="" type="checkbox"/> 8175 PCBs <input checked="" type="checkbox"/> 8176 PCBs <input checked="" type="checkbox"/> 8177 PCBs <input checked="" type="checkbox"/> 8178 PCBs <input checked="" type="checkbox"/> 8179 PCBs <input checked="" type="checkbox"/> 8180 PCBs <input checked="" type="checkbox"/> 8181 PCBs <input checked="" type="checkbox"/> 8182 PCBs <input checked="" type="checkbox"/> 8183 PCBs <input checked="" type="checkbox"/> 8184 PCBs <input checked="" type="checkbox"/> 8185 PCBs <input checked="" type="checkbox"/> 8186 PCBs <input checked="" type="checkbox"/> 8187 PCBs <input checked="" type="checkbox"/> 8188 PCBs <input checked="" type="checkbox"/> 8189 PCBs <input checked="" type="checkbox"/> 8190 PCBs <input checked="" type="checkbox"/> 8191 PCBs <input checked="" type="checkbox"/> 8192 PCBs <input checked="" type="checkbox"/> 8193 PCBs <input checked="" type="checkbox"/> 8194 PCBs <input checked="" type="checkbox"/> 8195 PCBs <input checked="" type="checkbox"/> 8196 PCBs <input checked="" type="checkbox"/> 8197 PCBs <input checked="" type="checkbox"/> 8198 PCBs <input checked="" type="checkbox"/> 8199 PCBs <input checked="" type="checkbox"/> 8200 PCBs <input checked="" type="checkbox"/> 8201 PCBs <input checked="" type="checkbox"/> 8202 PCBs <input checked="" type="checkbox"/> 8203 PCBs <input checked="" type="checkbox"/> 8204 PCBs <input checked="" type="checkbox"/> 8205 PCBs <input checked="" type="checkbox"/> 8206 PCBs <input checked="" type="checkbox"/> 8207 PCBs <input checked="" type="checkbox"/> 8208 PCBs <input checked="" type="checkbox"/> 8209 PCBs <input checked="" type="checkbox"/> 8210 PCBs <input checked="" type="checkbox"/> 8211 PCBs <input checked="" type="checkbox"/> 8212 PCBs <input checked="" type="checkbox"/> 8213 PCBs <input checked="" type="checkbox"/> 8214 PCBs <input checked="" type="checkbox"/> 8215 PCBs <input checked="" type="checkbox"/> 8216 PCBs <input checked="" type="checkbox"/> 8217 PCBs <input checked="" type="checkbox"/> 8218 PCBs <input checked="" type="checkbox"/> 8219 PCBs <input checked="" type="checkbox"/> 8220 PCBs <input checked="" type="checkbox"/> 8221 PCBs <input checked="" type="checkbox"/> 8222 PCBs <input checked="" type="checkbox"/> 8223 PCBs <input checked="" type="checkbox"/> 8224 PCBs <input checked="" type="checkbox"/> 8225 PCBs <input checked="" type="checkbox"/> 8226 PCBs <input checked="" type="checkbox"/> 8227 PCBs <input checked="" type="checkbox"/> 8228 PCBs <input checked="" type="checkbox"/> 8229 PCBs <input checked="" type="checkbox"/> 8230 PCBs <input checked="" type="checkbox"/> 8231 PCBs <input checked="" type="checkbox"/> 8232 PCBs <input checked="" type="checkbox"/> 8233 PCBs <input checked="" type="checkbox"/> 8234 PCBs <input checked="" type="checkbox"/> 8235 PCBs <input checked="" type="checkbox"/> 8236 PCBs <input checked="" type="checkbox"/> 8237 PCBs <input checked="" type="checkbox"/> 8238 PCBs <input checked="" type="checkbox"/> 8239 PCBs <input checked="" type="checkbox"/> 8240 PCBs <input checked="" type="checkbox"/> 8241 PCBs <input checked="" type="checkbox"/> 8242 PCBs <input checked="" type="checkbox"/> 8243 PCBs <input checked="" type="checkbox"/> 8244 PCBs <input checked="" type="checkbox"/> 8245 PCBs <input checked="" type="checkbox"/> 8246 PCBs <input checked="" type="checkbox"/> 8247 PCBs <input checked="" type="checkbox"/> 8248 PCBs <input checked="" type="checkbox"/> 8249 PCBs <input checked="" type="checkbox"/> 8250 PCBs <input checked="" type="checkbox"/> 8251 PCBs <input checked="" type="checkbox"/> 8252 PCBs <input checked="" type="checkbox"/> 8253 PCBs <input checked="" type="checkbox"/> 8254 PCBs <input checked="" type="checkbox"/> 8255 PCBs <input checked="" type="checkbox"/> 8256 PCBs <input checked="" type="checkbox"/> 8257 PCBs <input checked="" type="checkbox"/> 8258 PCBs <input checked="" type="checkbox"/> 8259 PCBs <input checked="" type="checkbox"/> 8260 PCBs <input checked="" type="checkbox"/> 8261 PCBs <input checked="" type="checkbox"/> 8262 PCBs <input checked="" type="checkbox"/> 8263 PCBs <input checked="" type="checkbox"/> 8264 PCBs <input checked="" type="checkbox"/> 8265 PCBs <input checked="" type="checkbox"/> 8266 PCBs <input checked="" type="checkbox"/> 8267 PCBs <input checked="" type="checkbox"/> 8268 PCBs <input checked="" type="checkbox"/> 8269 PCBs <input checked="" type="checkbox"/> 8270 PCBs <input checked="" type="checkbox"/> 8271 PCBs <input checked="" type="checkbox"/> 8272 PCBs <input checked="" type="checkbox"/> 8273 PCBs <input checked="" type="checkbox"/> 8274 PCBs <input checked="" type="checkbox"/> 8275 PCBs <input checked="" type="checkbox"/> 8276 PCBs <input checked="" type="checkbox"/> 8277 PCBs <input checked="" type="checkbox"/> 8278 PCBs <input checked="" type="checkbox"/> 8279 PCBs <input checked="" type="checkbox"/> 8280 PCBs <input checked="" type="checkbox"/> 8281 PCBs <input checked="" type="checkbox"/> 8282 PCBs <input checked="" type="checkbox"/> 8283 PCBs <input checked="" type="checkbox"/> 8284 PCBs <input checked="" type="checkbox"/> 8285 PCBs <input checked="" type="checkbox"/> 8286 PCBs <input checked="" type="checkbox"/> 8287 PCBs <input checked="" type="checkbox"/> 8288 PCBs <input checked="" type="checkbox"/> 8289 PCBs <input checked="" type="checkbox"/> 8290 PCBs <input checked="" type="checkbox"/> 8291 PCBs <input checked="" type="checkbox"/> 8292 PCBs <input checked="" type="checkbox"/> 8293 PCBs <input checked="" type="checkbox"/> 8294 PCBs <input checked="" type="checkbox"/> 8295 PCBs <input checked="" type="checkbox"/> 8296 PCBs <input checked="" type="checkbox"/> 8297 PCBs <input checked="" type="checkbox"/> 8298 PCBs <input checked="" type="checkbox"/> 8299 PCBs <input checked="" type="checkbox"/> 8300 PCBs <input checked="" type="checkbox"/> 8301 PCBs <input checked="" type="checkbox"/> 8302 PCBs <input checked="" type="checkbox"/> 8303 PCBs <input checked="" type="checkbox"/> 8304 PCBs <input checked="" type="checkbox"/> 8305 PCBs <input checked="" type="checkbox"/> 8306 PCBs <input checked="" type="checkbox"/> 8307 PCBs <input checked="" type="checkbox"/> 8308 PCBs <input checked="" type="checkbox"/> 8309 PCBs <input checked="" type="checkbox"/> 8310 PCBs <input checked="" type="checkbox"/> 8311 PCBs <input checked="" type="checkbox"/> 8312 PCBs <input checked="" type="checkbox"/> 8313 PCBs <input checked="" type="checkbox"/> 8314 PCBs <input checked="" type="checkbox"/> 8315 PCBs <input checked="" type="checkbox"/> 8316 PCBs <input checked="" type="checkbox"/> 8317 PCBs <input checked="" type="checkbox"/> 8318 PCBs <input checked="" type="checkbox"/> 8319 PCBs <input checked="" type="checkbox"/> 8320 PCBs <input checked="" type="checkbox"/> 8321 PCBs <input checked="" type="checkbox"/> 8322 PCBs <input checked="" type="checkbox"/> 8323 PCBs <input checked="" type="checkbox"/> 8324 PCBs <input checked="" type="checkbox"/> 8325 PCBs <input checked="" type="checkbox"/> 8326 PCBs <input checked="" type="checkbox"/> 8327 PCBs <input checked="" type="checkbox"/> 8328 PCBs <input checked="" type="checkbox"/> 8329 PCBs <input checked="" type="checkbox"/> 8330 PCBs <input checked="" type="checkbox"/> 8331 PCBs <input checked="" type="checkbox"/> 8332 PCBs <input checked="" type="checkbox"/> 8333 PCBs <input checked="" type="checkbox"/> 8334 PCBs <input checked="" type="checkbox"/> 8335 PCBs <input checked="" type="checkbox"/> 8336 PCBs <input checked="" type="checkbox"/> 8337 PCBs <input checked="" type="checkbox"/> 8338 PCBs <input checked="" type="checkbox"/> 8339 PCBs <input checked="" type="checkbox"/> 8340 PCBs <input checked="" type="checkbox"/> 8341 PCBs <input checked="" type="checkbox"/> 8342 PCBs <input checked="" type="checkbox"/> 8343 PCBs <input checked="" type="checkbox"/> 8344 PCBs <input checked="" type="checkbox"/> 8345 PCBs <input checked="" type="checkbox"/> 8346 PCBs <input checked="" type="checkbox"/> 8347 PCBs <input checked="" type="checkbox"/> 8348 PCBs <input checked="" type="checkbox"/> 8349 PCBs <input checked="" type="checkbox"/> 8350 PCBs <input checked="" type="checkbox"/> 8351 PCBs <input checked="" type="checkbox"/> 8352 PCBs <input checked="" type="checkbox"/> 8353 PCBs <input checked="" type="checkbox"/> 8354 PCBs <input checked="" type="checkbox"/> 8355 PCBs <input checked="" type="checkbox"/> 8356 PCBs <input checked="" type="checkbox"/> 8357 PCBs <input checked="" type="checkbox"/> 8358 PCBs <input checked="" type="checkbox"/> 8359 PCBs <input checked="" type="checkbox"/> 8360 PCBs <input checked="" type="checkbox"/> 8361 PCBs <input checked="" type="checkbox"/> 8362 PCBs <input checked="" type="checkbox"/> 8363 PCBs <input checked="" type="checkbox"/> 8364 PCBs <input checked="" type="checkbox"/> 8365 PCBs <input checked="" type="checkbox"/> 8366 PCBs <input checked="" type="checkbox"/> 8367 PCBs <input checked="" type="checkbox"/> 8368 PCBs <input checked="" type="checkbox"/> 8369 PCBs <input checked="" type="checkbox"/> 8370 PCBs <input checked="" type="checkbox"/> 8371 PCBs <input checked="" type="checkbox"/> 8372 PCBs <input checked="" type="checkbox"/> 8373 PCBs <input checked="" type="checkbox"/> 8374 PCBs <input checked="" type="checkbox"/> 8375 PCBs <input checked="" type="checkbox"/> 8376 PCBs <input checked="" type="checkbox"/> 8377 PCBs <input checked="" type="checkbox"/> 8378 PCBs <input checked="" type="checkbox"/> 8379 PCBs <input checked="" type="checkbox"/> 8380 PCBs <input checked="" type="checkbox"/> 8381 PCBs <input checked="" type="checkbox"/> 8382 PCBs <input checked="" type="checkbox"/> 8383 PCBs <input checked="" type="checkbox"/> 8384 PCBs <input checked="" type="checkbox"/> 8385 PCBs <input checked="" type="checkbox"/> 8386 PCBs <input checked="" type="checkbox"/> 8387 PCBs <input checked="" type="checkbox"/> 8388 PCBs <input checked="" type="checkbox"/> 8389 PCBs <input checked="" type="checkbox"/> 8390 PCBs <input checked="" type="checkbox"/> 8391 PCBs <input checked="" type="checkbox"/> 8392 PCBs <input checked="" type="checkbox"/> 8393 PCBs <input checked="" type="checkbox"/> 8394 PCBs <input checked="" type="checkbox"/> 8395 PCBs <input checked="" type="checkbox"/> 8396 PCBs <input checked="" type="checkbox"/> 8397 PCBs <input checked="" type="checkbox"/> 8398 PCBs <input checked="" type="checkbox"/> 8399 PCBs <input checked="" type="checkbox"/> 8400 PCBs <input checked="" type="checkbox"/> 8401 PCBs <input checked="" type="checkbox"/> 8402 PCBs <input checked="" type="checkbox"/> 8403 PCBs <input checked="" type="checkbox"/> 8404 PCBs <input checked="" type="checkbox"/> 8405 PCBs <input checked="" type="checkbox"/> 8406 PCBs <input checked="" type="checkbox"/> 8407 PCBs <input checked="" type="checkbox"/> 8408 PCBs <input checked="" type="checkbox"/> 8409 PCBs <input checked="" type="checkbox"/> 8410 PCBs <input checked="" type="checkbox"/> 8411 PCBs <input checked="" type="checkbox"/> 8412 PCBs <input checked="" type="checkbox"/> 8413 PCBs <input checked="" type="checkbox"/> 8414 PCBs <input checked="" type="checkbox"/> 8415 PCBs <input checked="" type="checkbox"/> 8416 PCBs <input checked="" type="checkbox"/> 8417 PCBs <input checked="" type="checkbox"/> 8418 PCBs <input checked="" type="checkbox"/> 8419 PCBs <input checked="" type="checkbox"/> 8420 PCBs <input checked="" type="checkbox"/> 8421 PCBs <input checked="" type="checkbox"/> 8422 PCBs <input checked="" type="checkbox"/> 8423 PCBs <input checked="" type="checkbox"/> 8424 PCBs <input checked="" type="checkbox"/> 8425 PCBs <input checked="" type="checkbox"/> 8426 PCBs <input checked="" type="checkbox"/> 8427 PCBs <input checked="" type="checkbox"/> 8428 PCBs <input checked="" type="checkbox"/> 8429 PCBs <input checked="" type="checkbox"/> 8430 PCBs <input checked="" type="checkbox"/> 8431 PCBs <input checked="" type="checkbox"/> 8432 PCBs <input checked="" type="checkbox"/> 8433 PCBs <input checked="" type="checkbox"/> 8434 PCBs <input checked="" type="checkbox"/> 8435 PCBs <input checked="" type="checkbox"/> 8436 PCBs <input checked="" type="checkbox"/> 8437 PCBs <input checked="" type="checkbox"/> 8438 PCBs <input checked="" type="checkbox"/> 8439 PCBs <input checked="" type="checkbox"/> 8440 PCBs <input checked="" type="checkbox"/> 8441 PCBs <input checked="" type="checkbox"/> 8442 PCBs <input checked="" type="checkbox"/> 8443 PCBs <input checked="" type="checkbox"/> 8444 PCBs <input checked="" type="checkbox"/> 8445 PCBs <input checked="" type="checkbox"/> 8446 PCBs <input checked="" type="checkbox"/> 8447 PCBs <input checked="" type="checkbox"/> 8448 PCBs <input checked="" type="checkbox"/> 8449 PCBs <input checked="" type="checkbox"/> 8450 PCBs <input checked="" type="checkbox"/> 8451 PCBs <input checked="" type="checkbox"/> 8452 PCBs <input checked="" type="checkbox"/> 8453 PCBs <input checked="" type="checkbox"/> 8454 PCBs <input checked="" type="checkbox"/> 8455 PCBs <input checked="" type="checkbox"/> 8456 PCBs <input checked="" type="checkbox"/> 8457 PCBs <input checked="" type="checkbox"/> 8458 PCBs <input checked="" type="checkbox"/> 8459 PCBs <input checked="" type="checkbox"/> 8460 PCBs <input checked="" type="checkbox"/> 8461 PCBs <input checked="" type="checkbox"/> 8462 PCBs <input checked="" type="checkbox"/> 8463 PCBs <input checked="" type="checkbox"/> 8464 PCBs <input checked="" type="checkbox"/> 8465 PCBs <input checked="" type="checkbox"/> 8466 PCBs <input checked="" type="checkbox"/> 8467 PCBs <input checked="" type="checkbox"/> 8468 PCBs <input checked="" type="checkbox"/> 8469 PCBs <input checked="" type="checkbox"/> 8470 PCBs <input checked="" type="checkbox"/> 8471 PCBs <input checked="" type="checkbox"/> 8472 PCBs <input checked="" type="checkbox"/> 8473 PCBs <input checked="" type="checkbox"/> 8474 PCBs <input checked="" type="checkbox"/> 8475 PCBs <input checked="" type="checkbox"/> 8476 PCBs <input checked="" type="checkbox"/> 8477 PCBs <input checked="" type="checkbox"/> 8478 PCBs <input checked="" type="checkbox"/> 8479 PCBs <input checked="" type="checkbox"/> 8480 PCBs <input checked="" type="checkbox"/> 8481 PCBs <input checked="" type="checkbox"/> 8482 PCBs <input checked="" type="checkbox"/> 8483 PCBs <input checked="" type="checkbox"/> 8484 PCBs <input checked="" type="checkbox"/> 8485 PCBs <input checked="" type="checkbox"/> 8486 PCBs <input checked="" type="checkbox"/> 8487 PCBs <input checked="" type="checkbox"/> 8488 PCBs <input checked="" type="checkbox"/> 8489 PCBs <input checked="" type="checkbox"/> 8490 PCBs <input checked="" type="checkbox"/> 8491 PCBs <input checked="" type="checkbox"/> 8492 PCBs <input checked="" type="checkbox"/> 8493 PCBs <input checked="" type="checkbox"/> 8494 PCBs <input checked="" type="checkbox"/> 8495 PCBs <input checked="" type="checkbox"/> 8496 PCBs <input checked="" type="checkbox"/> 8497 PCBs <input checked="" type="checkbox"/> 8498 PCBs <input checked="" type="checkbox"/> 8499 PCBs <input checked="" type="checkbox"/> 8500 PCBs <input checked="" type="checkbox"/> 8501 PCBs <input checked="" type="checkbox"/> 8502 PCBs <input checked="" type="checkbox"/> 8503 PCBs <input checked="" type="checkbox"/> 8504 PCBs <input checked="" type="checkbox"/> 8505 PCBs <input checked="" type="checkbox"/> 8506 PCBs <input checked="" type="checkbox"/> 8507 PCBs <input checked="" type="checkbox"/> 8508 PCBs <input checked="" type="checkbox"/> 8509 PCBs <input checked="" type="checkbox"/> 8510 PCBs <input checked="" type="checkbox"/> 8511 PCBs <input checked="" type="checkbox"/> 8512 PCBs <input checked="" type="checkbox"/> 8513 PCBs <input checked="" type="checkbox"/> 8514 PCBs <input checked="" type="checkbox"/> 8515 PCBs <input checked="" type="checkbox"/> 8516 PCBs <input checked="" type="checkbox"/> 8517 PCBs <input checked="" type="checkbox"/> 8518 PCBs <input checked="" type="checkbox"/> 8519 PCBs <input checked="" type="checkbox"/> 8520 PCBs <input checked="" type="checkbox"/> 8521 PCBs <input checked="" type="checkbox"/> 8522 PCBs <input checked="" type="checkbox"/> 8523 PCBs <input checked="" type="checkbox"/> 8524 PCBs <input checked="" type="checkbox"/> 8525 PCBs <input checked="" type="checkbox"/> 8526 PCBs <input checked="" type="checkbox"/> 8527 PCBs <input checked="" type="checkbox"/> 8528 PCBs <input checked="" type="checkbox"/> 8529 PCBs <input checked="" type="checkbox"/> 8530 PCBs <input checked="" type="checkbox"/> 8531 PCBs <input checked="" type="checkbox"/> 8532 PCBs <input checked="" type="checkbox"/> 8533 PCBs <input checked="" type="checkbox"/> 8534 PCBs <input checked="" type="checkbox"/> 8535 PCBs <input checked="" type="checkbox"/> 8536 PCBs <input checked="" type="checkbox"/> 8537 PCBs <input checked="" type="checkbox"/> 8538 PCBs <input checked="" type="checkbox"/> 8539 PCBs <input checked="" type="checkbox"/> 8540 PCBs <input checked="" type="checkbox"/> 8541 PCBs <input checked="" type="checkbox"/> 8542 PCBs <input checked="" type="checkbox"/> 8543 PCBs <input checked="" type="checkbox"/> 8544 PCBs <input checked="" type="checkbox"/> 8545 PCBs <input checked="" type="checkbox"/> 8546 PCBs <input checked="" type="checkbox"/> 8547 PCBs <input checked="" type="checkbox"/> 8548 PCBs <input checked="" type="checkbox"/> 8549 PCBs <input checked="" type="checkbox"/> 8550 PCBs <input checked="" type="checkbox"/> 8551 PCBs <input checked="" type="checkbox"/> 8552 PCBs <input checked="" type="checkbox"/> 8553 PCBs <input checked="" type="checkbox"/> 8554 PCBs <input checked="" type="checkbox"/> 8555 PCBs <input checked="" type="checkbox"/> 8556 PCBs <input checked="" type="checkbox"/> 8557 PCBs <input checked="" type="checkbox"/> 8558 PCBs <input checked="" type="checkbox"/> 8559 PCBs <input checked="" type="checkbox"/> 8560 PCBs <input checked="" type="checkbox"/> 8561 PCBs <input checked="" type="checkbox"/> 8562 PCBs <input checked="" type="checkbox"/> 8563 PCBs <input checked="" type="checkbox"/> 8564 PCBs <input checked="" type="checkbox"/> 8565 PCBs <input checked="" type="checkbox"/> 8566 PCBs <input checked="" type="checkbox"/> 8567 PCBs <input checked="" type="checkbox"/> 8568 PCBs <input checked="" type="checkbox"/> 8569 PCBs <input checked="" type="checkbox"/> 8570 PCBs <input checked="" type="checkbox"/> 8571 PCBs <input checked="" type="checkbox"/> 8572 PCBs <input checked="" type="checkbox"/> 8573 PCBs <input checked="" type="checkbox"/> 8574 PCBs <input checked="" type="checkbox"/> 8575 PCBs <input checked="" type="checkbox"/> 8576 PCBs <input checked="" type="checkbox"/> 8577 PCBs <input checked="" type="checkbox"/> 8578 PCBs <input checked="" type="checkbox"/> 8579 PCBs <input checked="" type="checkbox"/> 8580 PCBs <input checked="" type="checkbox"/> 8581 PCBs <input checked="" type="checkbox"/> 8582 PCBs <input checked="" type="checkbox"/> 8583 PCBs <input checked="" type="checkbox"/> 8584 PCBs <input checked="" type="checkbox"/> 8585 PCBs <input checked="" type="checkbox"/> 8586 PCBs <input checked="" type="checkbox"/> 8587 PCBs <input checked="" type="checkbox"/> 8588 PCBs <input checked="" type="checkbox"/> 8589 PCBs <input checked="" type="checkbox"/> 8590 PCBs <input checked="" type="checkbox"/> 8591 PCBs <input checked="" type="checkbox"/> 8592 PCBs <input checked="" type="checkbox"/> 8593 PCBs <input checked="" type="checkbox"/> 8594 PCBs <input checked="" type="checkbox"/> 8595 PCBs <input checked="" type="checkbox"/> 8596 PCBs <input checked="" type="checkbox"/> 8597 PCBs <input checked="" type="checkbox"/> 8598 PCBs <input checked="" type="checkbox"/> 8599 PCBs <input checked="" type="checkbox"/> 8600 PCBs <input checked="" type="checkbox"/> 8601 PCBs <input checked="" type="checkbox"/> 8602 PCBs <input checked="" type="checkbox"/> 8603 PCBs <input checked="" type="checkbox"/> 8604 PCBs <input checked="" type="checkbox"/> 8605 PCBs <input checked="" type="checkbox"/> 8606 PCBs <input checked="" type="checkbox"/> 8607 PCBs <input checked="" type="checkbox"/> 8608 PCBs <input checked="" type="checkbox"/> 8609 PCBs <input checked="" type="checkbox"/> 8610 PCBs <input checked="" type="checkbox"/> 8611 PCBs <input checked="" type="checkbox"/> 8612 PCBs <input checked="" type="checkbox"/> 8613 PCBs <input checked="" type="checkbox"/> 8614 PCBs <input checked="" type="checkbox"/> 8615 PCBs <input checked="" type="checkbox"/> 8616 PCBs <input checked="" type="checkbox"/> 8617 PCBs <input checked="" type="checkbox"/> 8618 PCBs <input checked="" type="checkbox"/> 8619 PCBs <input checked="" type="checkbox"/> 8620 PCBs <input checked="" type="checkbox"/> 8621 PCBs <input checked="" type="checkbox"/> 8622 PCBs <input checked="" type="checkbox"/> 8623 PCBs <input checked="" type="checkbox"/> 8624 PCBs <input checked="" type="checkbox"/> 8625 PCBs <input checked="" type="checkbox"/> 8626 PCBs <input checked="" type="checkbox"/> 8627 PCBs <input checked="" type="checkbox"/> 8628 PCBs <input checked="" type="checkbox"/> 8629 PCBs <input checked="" type="checkbox"/> 8630 PCBs <input checked="" type="checkbox"/> 8631 PCBs <input checked="" type="checkbox"/> 8632 PCBs <input checked="" type="checkbox"/> 8633 PCBs <input checked="" type="checkbox"/> 8634 PCBs <input checked="" type="checkbox"/> 8635 PCBs <input checked="" type="checkbox"/> 8636 PCBs <input checked="" type="checkbox"/> 8637 PCBs <input checked="" type="checkbox"/> 8638 PCBs <input checked="" type="checkbox"/> 8639 PCBs <input checked="" type="checkbox"/> 8640 PCBs <input checked="" type="checkbox"/> 8641 PCBs <input checked="" type="checkbox"/> 8642 PCBs <input checked="" type="checkbox"/> 8643 PCBs <input checked="" type="checkbox"/> 8644 PCBs <input checked="" type="checkbox"/> 8645 PCBs <input checked="" type="checkbox"/> 8646 PCBs <input checked="" type="checkbox"/> 8647 PCBs <input checked="" type="checkbox"/> 8648 PCBs <input checked="" type="checkbox"/> 8649 PCBs <input checked="" type="checkbox"/> 8650 PCBs <input checked="" type="checkbox"/> 8651 PCBs <input checked="" type="checkbox"/> 8652 PCBs <input checked="" type="checkbox"/> 8653 PCBs <input checked="" type="checkbox"/> 8654 PCBs <input checked="" type="checkbox"/> 8655 PCBs <input checked="" type="checkbox"/> 8656 PCBs <input checked="" type="checkbox"/> 8657 PCBs <input checked="" type="checkbox"/> 8658 PCBs <input checked="" type="checkbox"/> 8659 PCBs <input checked="" type="checkbox"/> 8660 PCBs <input checked="" type="checkbox"/> 8661 PCBs <input checked="" type="checkbox"/> 8662 PCBs <input checked="" type="checkbox"/> 8663 PCBs <input checked="" type="checkbox"/> 8664 PCBs <input checked="" type="checkbox"/> 8665 PCBs <input checked="" type="checkbox"/> 8666 PCBs <input checked="" type="checkbox"/> 8667 PCBs <input checked="" type="checkbox"/> 8668 PCBs <input checked="" type="checkbox"/> 8669 PCBs <input checked="" type="checkbox"/> 8670 PCBs <input checked="" type="checkbox"/> 8671 PCBs <input checked="" type="checkbox"/> 8672 PCBs <input checked="" type="checkbox"/> 8673 PCBs <input checked="" type="checkbox"/> 8674 PCBs <input checked="" type="checkbox"/> 8675 PCBs <input checked="" type="checkbox"/> 8676 PCBs <input checked="" type="checkbox"/> 8677 PCBs <input checked="" type="checkbox"/> 8678 PCBs <input checked="" type="checkbox"/> 8679 PCBs <input checked="" type="checkbox"/> 8680 PCBs <input checked="" type="checkbox"/> 8681 PCBs <input checked="" type="checkbox"/> 8682 PCBs <input checked="" type="checkbox"/> 8683 PCBs <input checked="" type="checkbox"/> 8684 PCBs <input checked="" type="checkbox"/> 8685 PCBs <input checked="" type="checkbox"/> 8686 PCBs <input checked="" type="checkbox"/> 8687 PCBs <input checked="" type="checkbox"/> 8688 PCBs <input checked="" type="checkbox"/> 8689 PCBs <input checked="" type="checkbox"/> 8690 PCBs <input checked="" type="checkbox"/> 8691 PCBs <input checked="" type="checkbox"/> 8692 PCBs <input checked="" type="checkbox"/> 8693 PCBs <input checked="" type="checkbox"/> 8694 PCBs <input checked="" type="checkbox"/> 8695 PCBs <input checked="" type="checkbox"/> 8696 PCBs <input checked="" type="checkbox"/> 8697 PCBs <input checked="" type="checkbox"/> 8698 PCBs <input checked="" type="checkbox"/> 8699 PCBs <input checked="" type="checkbox"/> 8700 PCBs <input checked="" type="checkbox"/> 8701 PCBs <input checked="" type="checkbox"/> 8702 PCBs <input checked="" type="checkbox"/> 8703 PCBs <input checked="" type="checkbox"/> 8704 PCBs <input checked="" type="checkbox"/> 8705 PCBs <input checked="" type="checkbox"/> 8706 PCBs <input checked="" type="checkbox"/> 8707 PCBs <input checked="" type="checkbox"/> 8708 PCBs 			



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 1Q 2023 Perf. Mon.

Project Number: 000029-02.84 T-01.001E

Project Manager: John Renda

Report ID:

A3C0314 - 05 19 23 0502

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A3C0314Project/Project #: Gasco-MGP only Mon Wells 1Q 2023 Perf Mon 000029 -

Delivery Info:

Date/time received: 3/9/23 @ 8:17 By: DJSDelivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐Cooler Inspection Date/time inspected: 3/9/23 @ 9:05 By: DJSChain 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>3.4</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>real</u>						
Condition (In/Out):	<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: 3-9-23 @ 9:10 By: DJSAll 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: TS-030823 = 1/1 HSWater samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐

Comments:

Additional information: TS # 3206Relinquished time ready 0917, but received @ 0817

Labeled by:

Witness:

Cooler Inspected by:

DJS

V

DJS

Form Y-003 R-00

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Page 70 of 70