Table

Table 1
Soil Testing Analytical Results

Privileged and Confidential
Attorney Work Product
Prepared at Request of Counsel

Analyte	20-Times TCLP Limit	F002 Threshold Screening Values [1]	Sample Number: DG-IDW-072122-01 Result		Sample Number: DG-IDW-072222-02 Result		Sample Number: DG-IDW-072222-03 Result		Sample Number: DG-IDW-072222-DB559 Result	
Conventionals										
Total Cyanide (mg/kg)	--	--	**31.2**	**Q-42**	**25.5**	**--**	**14.8**	**--**	2.48	U
Free liquid (mL)	--	--	0	U	0	U	0	U	0	U
Total Solids (% by weight)	--	--	**77.1**	**--**	**80.1**	**--**	**77.1**	**--**	**80.2**	**--**
Soil pH	--	--	**6.8**	**pH-S**	**6.6**	**pH-S**	**6.9**	**pH-S**	**8.0**	**pH-S**
pH Temperature (°C)	--	--	**21.3**	**pH-S**	**21**	**pH-S**	**20.8**	**pH-S**	**20.7**	**pH-S**
Flash Point (°F)	--	--	> 150	--	> 150	--	> 150	--	> 150	--
Total Metals (mg/kg)										
Arsenic	100	--	**2.13**	**--**	**2.26**	**--**	**2.54**	**--**	**1.57**	**--**
Barium	2,000	--	**76.6**	**--**	**90.4**	**--**	**91.7**	**--**	**88.7**	**--**
Cadmium	20	--	**0.407**	**--**	**0.315**	**--**	**0.229**	**J**	0.132	U
Chromium	100	--	**9.66**	**--**	**9.7**	**--**	**14.2**	**--**	**8.96**	**--**
Lead	100	--	**26.5**	**--**	**22**	**--**	**15.9**	**--**	**6.94**	**--**
Mercury	4	--	0.05	U	**0.0864**	**J**	0.0507	U	0.0529	U
Selenium	20	--	0.625	U	0.68	U	0.633	U	0.662	U
Silver	100	--	0.125	U	0.136	U	0.127	U	0.132	U
Total Petroleum Hydrocarbons (TPH) (mg/kg)										
Diesel Range	--	--	**1,680**	**F-17, Q-42**	**210**	**F-17**	**652**	**F-17**	**26.2**	**--**
Gasoline Range	--	--	**19.9**	**--**	**23.4**	**--**	**171**	**--**	2.87	U
Oil Range	--	--	**1,870**	**F-17, Q-42**	**286**	**F-17**	**356**	**F-17**	**104**	**--**
Volatile Organic Compounds (VOCs) (µg/kg)										
Acetone	--	--	1,400	U, ICV-02	1,130	U, ICV-02	1,390	U, ICV-02	1,150	U, ICV-02
Acrylonitrile	--	--	69.9	U	56.3	U	69.3	U	57.4	U
Benzene	10,000	--	**16.8**	**--**	**22.5**	**--**	**175**	**--**	5.74	U
Bromobenzene	--	--	17.5	U	14.1	U	17.3	U	14.4	U
Bromochloromethane	--	--	35	U	28.1	U	34.6	U	28.7	U
Bromodichloromethane	--	--	35	U	28.1	U	34.6	U	28.7	U
Bromoform	--	--	69.9	U	56.3	U	69.3	U	57.4	U
Bromomethane	--	--	699	U	563	U	693	U	574	U
2-Butanone (MEK)	4,000,000	--	699	U, ICV-02	563	U, ICV-02	693	U, ICV-02	574	U, ICV-02
n-Butylbenzene	--	--	35	U	28.1	U	34.6	U	28.7	U
sec-Butylbenzene	--	--	35	U	28.1	U	**54.7**	**J**	28.7	U
tert-Butylbenzene	--	--	35	U	28.1	U	34.6	U	28.7	U
Carbon disulfide	--	--	350	U	281	U	346	U	287	U
Carbon tetrachloride	10,000	--	35	U	28.1	U	34.6	U	28.7	U
Chlorobenzene	2,000,000	--	17.5	U	14.1	U	17.3	U	14.4	U
Chloroethane	--	--	350	U	281	U	346	U	574	U
Chloroform	120,000	--	35	U	28.1	U	34.6	U	28.7	U
Chloromethane	--	--	175	U	141	U	173	U	144	U
2-Chlorotoluene	--	--	35	U	28.1	U	34.6	U	28.7	U
4-Chlorotoluene	--	--	35	U	28.1	U	34.6	U	28.7	U
Dibromochloromethane	--	--	69.9	U	56.3	U	69.3	U	57.4	U
1,2-Dibromo-3-chloropropane	--	--	175	U	141	U	173	U	144	U
1,2-Dibromoethane (EDB)	--	--	35	U	28.1	U	34.6	U	28.7	U
Dibromomethane	--	--	35	U	28.1	U	34.6	U	28.7	U
1,2-Dichlorobenzene	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,3-Dichlorobenzene	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,4-Dichlorobenzene	150,000	--	17.5	U	14.1	U	17.3	U	14.4	U
Dichlorodifluoromethane	--	--	69.9	U	56.3	U	69.3	U	57.4	U
1,1-Dichloroethane	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,2-Dichloroethane (EDC)	10,000	--	17.5	U	14.1	U	17.3	U	14.4	U
1,1-Dichloroethene	14,000	29,000,000	17.5	U	14.1	U	17.3	U	14.4	U
cis-1,2-Dichloroethene	--	2,300,000	17.5	U	14.1	U	**17.3**	**J**	14.4	U
trans-1,2-Dichloroethene	--	23,000,000	17.5	U	14.1	U	17.3	U	14.4	U
1,2-Dichloropropane	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,3-Dichloropropane	--	--	35	U	28.1	U	34.6	U	28.7	U
2,2-Dichloropropane	--	--	35	U	28.1	U	34.6	U	28.7	U
1,1-Dichloropropene	--	--	35	U	28.1	U	34.6	U	28.7	U
cis-1,3-Dichloropropene	--	--	35	U	28.1	U	34.6	U	28.7	U
trans-1,3-Dichloropropene	--	--	35	U	28.1	U	34.6	U	28.7	U
Ethylbenzene	--	--	**37.1**	**--**	**43.9**	**--**	**281**	**--**	14.4	U
Hexachlorobutadiene	--	--	69.9	U	56.3	U	69.3	U	57.4	U
2-Hexanone	--	--	699	U	563	U	693	U	287	U
Isopropylbenzene	--	--	35	U	28.1	U	**51.3**	**J**	28.7	U
4-Isopropyltoluene	--	--	35	U	28.1	U	**57.5**	**J**	28.7	U
Methylene chloride	--	--	350	U	281	U	346	U	287	U
4-Methyl-2-pentanone (MiBK)	--	--	350	U	281	U	346	U	287	U
Methyl tert-butyl ether (MTBE)	--	--	35	U	28.1	U	34.6	U	28.7	U
Naphthalene	--	--	**5,850**	**--**	**7,190**	**--**	**58,000**	**--**	**129**	**--**
n-Propylbenzene	--	--	17.5	U	14.1	U	**43**	**--**	14.4	U
Styrene	--	--	35	U	28.1	U	34.6	U	28.7	U
1,1,1,2-Tetrachloroethane	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,1,2,2-Tetrachloroethane	--	--	35	U	28.1	U	34.6	U	28.7	U
Tetrachloroethene (PCE)	14,000	--	17.5	U	14.1	U	17.3	U	14.4	U
Toluene	--	--	35	U	28.1	U	**132**	**--**	28.7	U
1,2,3-Trichlorobenzene	--	--	175	U	141	U	173	U	144	U
1,2,4-Trichlorobenzene	--	--	175	U	141	U	173	U	144	U
1,1,1-Trichloroethane	--	--	17.5	U	14.1	U	17.3	U	14.4	U
1,1,2-Trichloroethane	--	--	17.5	U	14.1	U	17.3	U	14.4	U
Trichloroethene (TCE)	10,000	51,000	17.5	U	14.1	U	**30.5**	**J**	14.4	U
Trichlorofluoromethane	--	--	69.9	U	56.3	U	69.3	U	57.4	U

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1,2,3-Trichloropropane	--	--	35	U	28.1	U	34.6	U	28.7	U
1,2,4-Trimethylbenzene	--	--	**48.3**	**J**	**59.1**	**--**	**545**	**--**	28.7	U
1,3,5-Trimethylbenzene	--	--	35	U	28.1	U	**200**	**--**	28.7	U
Vinyl chloride	4,000	4,400	17.5	U	14.1	U	17.3	U	14.4	U
m,p-Xylene	--	--	35	U	28.1	U	**363**	**--**	28.7	U
o-Xylene	--	--	17.5	U	14.1	U	**170**	**--**	14.4	U
Semivolatile Organic Compounds (SVOCs) (µg/kg)										
Acenaphthene	--	--	**3,730**	**--**	**2,540**	**--**	**9,600**	**--**	396	U
Acenaphthylene	--	--	**683**	**J**	**846**	**--**	**3,590**	**--**	396	U
Anthracene	--	--	**3,150**	**--**	**2,890**	**--**	**8,130**	**--**	396	U
Benz(a)anthracene	--	--	**2,370**	**--**	**4,240**	**--**	**5,250**	**--**	**551**	**J**
Benzo(a)pyrene	--	--	**3,220**	**--**	**6,800**	**--**	**6,840**	**--**	**1,280**	**--**
Benzo(b)fluoranthene	--	--	**2,880**	**--**	**6,060**	**--**	**5,840**	**--**	**1,030**	**J**
Benzo(k)fluoranthene	--	--	**1,150**	**J**	**2,070**	**M-05**	**2,300**	**M-05**	596	U
Benzo(g,h,i)perylene	--	--	**2,770**	**--**	**5,670**	**--**	**5,240**	**--**	**1,090**	**--**
Chrysene	--	--	**3,110**	**--**	**5,400**	**--**	**6,870**	**--**	**717**	**J**
Dibenz(a,h)anthracene	--	--	428	U	**634**	**J**	**616**	**J**	396	U
Fluoranthene	--	--	**9,000**	**--**	**12,000**	**--**	**21,500**	**--**	**655**	**J**
Fluorene	--	--	**2,340**	**--**	**1,650**	**--**	**7,670**	**--**	396	U
Indeno(1,2,3-cd)pyrene	--	--	**2,480**	**--**	**4,910**	**--**	**4,430**	**--**	**958**	**--**
1-Methylnaphthalene	--	--	**1,680**	**J**	**881**	**J**	**9,260**	**--**	795	U
2-Methylnaphthalene	--	--	**1,230**	**J**	823	U	**13,700**	**--**	795	U
Naphthalene	--	--	**5,600**	**--**	**3,390**	**--**	**46,100**	**--**	795	U
Phenanthrene	--	--	**14,900**	**--**	**12,700**	**--**	**41,500**	**--**	396	U
Pyrene	--	--	**11,300**	**--**	**14,600**	**--**	**26,700**	**--**	**1,020**	**--**
Carbazole	--	--	644	U	**716**	**J**	**2,940**	**--**	596	U
Dibenzofuran	--	--	428	U	410	U	**1,390**	**--**	396	U
2-Chlorophenol	--	--	2,150	U	2,060	U	2,120	U	1,190	U
4-Chloro-3-methylphenol	--	--	4,280	U	4,100	U	4,220	U	3,960	U
2,4-Dichlorophenol	--	--	2,150	U	2,060	U	2,120	U	1,990	U
2,4-Dimethylphenol	--	--	2,150	U	2,060	U	2,120	U	1,990	U
2,4-Dinitrophenol	--	--	10,700	U	10,300	U	10,600	U	9,920	U
4,6-Dinitro-2-methylphenol	--	--	10,700	U	10,300	U	10,600	U	9,920	U
2-Methylphenol	--	--	1,070	U	1,030	U	1,060	U	992	U
3+4-Methylphenol(s)	--	--	1,070	U	1,030	U	1,060	U	992	U
2-Nitrophenol	--	--	4,280	U	4,100	U	4,220	U	3,960	U
4-Nitrophenol	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Pentachlorophenol (PCP)	2,000,000	--	4,280	U	4,100	U	4,220	U	3,960	U
Phenol	--	--	860	U	823	U	848	U	795	U
2,3,4,6-Tetrachlorophenol	--	--	2,150	U	2,060	U	2,120	U	1,990	U
2,3,5,6-Tetrachlorophenol	--	--	2,150	U	2,060	U	2,120	U	1,990	U
2,4,5-Trichlorophenol	8,000,000	--	2,150	U	2,060	U	2,120	U	1,990	U
Nitrobenzene	40,000	--	4,280	U	4,100	U	4,220	U	3,960	U
2,4,6-Trichlorophenol	40,000	--	2,150	U	2,060	U	2,120	U	1,990	U
Bis(2-ethylhexyl) phthalate	--	--	6,440	U	6,170	U	6,350	U	5,960	U
Butyl benzyl phthalate	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Diethylphthalate	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Dimethylphthalate	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Di-n-butylphthalate	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Di-n-octyl phthalate	--	--	4,280	U	4,100	U	4,220	U	3,960	U
N-Nitrosodimethylamine	--	--	1,070	U	1,030	U	1,060	U	992	U
N-Nitroso-di-n-propylamine	--	--	1,070	U	1,030	U	1,060	U	992	U
N-Nitrosodiphenylamine	--	--	1,070	U	1,030	U	1,060	U	992	U
Bis(2-Chloroethoxy) methane	--	--	1,070	U	1,030	U	1,060	U	992	U
Bis(2-Chloroethyl) ether	--	--	1,070	U	1,030	U	1,060	U	992	U
2,2'-Oxybis(1-Chloropropane)	--	--	1,070	U	1,030	U	1,060	U	992	U
Hexachlorobenzene	2,600	--	428	U	410	U	422	U	396	U
Hexachlorobutadiene	10,000	--	1,070	U	1,030	U	1,060	U	992	U
Hexachlorocyclopentadiene	--	--	2,150	U	2,060	U	2,120	U	1,990	U
Hexachloroethane	60,000	--	1,070	U	1,030	U	1,060	U	992	U
2-Chloronaphthalene	--	--	428	U	410	U	422	U	396	U
1,2,4-Trichlorobenzene	--	--	1,070	U	1,030	U	1,060	U	992	U
4-Bromophenyl phenyl ether	--	--	1,070	U	1,030	U	1,060	U	992	U
4-Chlorophenyl phenyl ether	--	--	1,070	U	1,030	U	1,060	U	992	U
Aniline	--	--	2,150	U	2,060	U	2,120	U	1,990	U
4-Chloroaniline	--	--	1,070	U	1,030	U	1,060	U	992	U
2-Nitroaniline	--	--	8,600	U	8,230	U	8,480	U	7,950	U
3-Nitroaniline	--	--	8,600	U	8,230	U	8,480	U	7,950	U
4-Nitroaniline	--	--	8,600	U	8,230	U	8,480	U	7,950	U
2,4-Dinitrotoluene	2,600	--	4,280	U	4,100	U	4,220	U	3,960	U
2,6-Dinitrotoluene	--	--	4,280	U	4,100	U	4,220	U	3,960	U
Benzoic acid	--	--	53,800	U	51,500	U	53,000	U	49,800	U
Benzyl alcohol	--	--	2,150	U	2,060	U	2,120	U	1,990	U
Isophorone	--	--	1,070	U	1,030	U	1,060	U	992	U
Azobenzene (1,2-DPH)	--	--	1,070	U	1,030	U	1,060	U	992	U
Bis(2-Ethylhexyl) adipate	--	--	10,700	U	10,300	U	10,600	U	9,920	U
3,3'-Dichlorobenzidine	--	--	8,600	U	8,230	U, Q-52	8,480	U, Q-52	7,950	U, Q-52
1,2-Dinitrobenzene	--	--	10,700	U	10,300	U	10,600	U	9,920	U
1,3-Dinitrobenzene	--	--	10,700	U	10,300	U	10,600	U	9,920	U
1,4-Dinitrobenzene	--	--	10,700	U	10,300	U	10,600	U	9,920	U
Pyridine	100,000	--	2,150	U	2,060	U	2,120	U	1,990	U

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Soil Testing Analytical Results

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Attorney Work Product
Prepared at Request of Counsel

Analyte	20-Times TCLP Limit	F002 Threshold Screening Values [1]	Sample Number: DG-IDW-072122-01		Sample Number: DG-IDW-072222-02		Sample Number: DG-IDW-072222-03		Sample Number: DG-IDW-072222-DB559	
			Result		Result		Result		Result	
1,2-Dichlorobenzene	--	--	1,070	U	1,030	U	1,060	U	992	U
1,3-Dichlorobenzene	--	--	1,070	U	1,030	U	1,060	U	992	U
1,4-Dichlorobenzene	150,000	--	1,070	U	1,030	U	1,060	U	992	U

Notes:

Bold: detected analyte

1 = F002 Oregon DEQ Risk-Based Concentrations (RBCs) for Occupational Exposure by Ingestion, Dermal Contact, and Inhalation, May 2018

-- = not applicable

C = Celsius

DEQ = Oregon Department of Environmental Quality

F = Fahrenheit

F-17 = No fuel pattern detected. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.

ICV-02 = Estimated Result. Initial Calibration Verification (ICV) failed low.

J = Estimated result. Result detected below the lowest point of the calibration curve, but above the specified MDL.

M-05 = Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

mL = milliliter

PAH = polycyclic aromatic hydrocarbon

pH_S = Method recommends preparation as soon as possible. See Sample Preparation Information section of Apex laboratory report for details.

Q-42 = Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits.

Q-52 = Due to known erratic recoveries, the result and reporting levels for this analyte are reported as Estimated Values. This analyte may not have passed all QC requirements for this method.

SVOC = semivolatile organic compound

TCLP = toxicity characteristic leaching procedure

TPH = total petroleum hydrocarbons

U = Analyte is not detected above the method detection limit.

VOC = volatile organic compound

Attachment 1
Apex Laboratory Report No. A2G0645

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

ANALYTICAL REPORT

Monday, August 15, 2022

Ben Uhl
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A2G0645 - Gasco Data Gaps - 000029-02.78(03.003D)

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 A2G0645, which was received by the laboratory on 7/22/2022 at 1:50:00PM.

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)

Cooler #1	2.3 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

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DG-IDW-072122-01	A2G0645-01	Soil	07/21/22 14:30	07/22/22 13:50
DG-IDW-072222-02	A2G0645-02	Soil	07/22/22 10:30	07/22/22 13:50
DG-IDW-072222-03	A2G0645-03	Soil	07/22/22 10:50	07/22/22 13:50
DG-IDW-072222-DB559	A2G0645-04	Soil	07/22/22 11:30	07/22/22 13:50

Apex Laboratories

Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01RE1)				**Matrix: Soil**		**Batch: 22H0141**		
Diesel	**1680**	63.8	128	mg/kg dry	5	08/04/22 11:35	NWTPH-Dx	**F-17, Q-42**
Oil	**1870**	128	255	mg/kg dry	5	08/04/22 11:35	NWTPH-Dx	**Q-42, F-17**
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*5*	*08/04/22 11:35*	*NWTPH-Dx*	*S-05*
DG-IDW-072222-02 (A2G0645-02RE1)				**Matrix: Soil**		**Batch: 22H0141**		
Diesel	**210**	60.8	122	mg/kg dry	5	08/04/22 12:58	NWTPH-Dx	**F-17**
Oil	**286**	122	243	mg/kg dry	5	08/04/22 12:58	NWTPH-Dx	**F-17**
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*5*	*08/04/22 12:58*	*NWTPH-Dx*	*S-05*
DG-IDW-072222-03 (A2G0645-03RE1)				**Matrix: Soil**		**Batch: 22H0141**		
Diesel	**652**	61.1	122	mg/kg dry	5	08/04/22 13:39	NWTPH-Dx	**F-17**
Oil	**356**	122	244	mg/kg dry	5	08/04/22 13:39	NWTPH-Dx	**F-17**
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*5*	*08/04/22 13:39*	*NWTPH-Dx*	*S-05*
DG-IDW-072222-DB559 (A2G0645-04RE2)				**Matrix: Soil**		**Batch: 22H0141**		
Diesel	**26.2**	11.6	25.0	mg/kg dry	1	08/04/22 14:51	NWTPH-Dx	
Oil	**104**	23.1	50.0	mg/kg dry	1	08/04/22 14:51	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*08/04/22 14:51*	*NWTPH-Dx*	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0024**		
Gasoline Range Organics	**19.9**	3.50	6.99	mg/kg dry	50	08/01/22 13:57	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*08/01/22 13:57*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*08/01/22 13:57*	*NWTPH-Gx (MS)*	
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0024**		
Gasoline Range Organics	**23.4**	2.81	5.63	mg/kg dry	50	08/01/22 14:51	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 105 %*	*Limits: 50-150 %*		*1*	*08/01/22 14:51*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*08/01/22 14:51*	*NWTPH-Gx (MS)*	
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0024**		
Gasoline Range Organics	**171**	3.46	6.93	mg/kg dry	50	08/01/22 15:18	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*08/01/22 15:18*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*	*1*	*08/01/22 15:18*	*NWTPH-Gx (MS)*	
DG-IDW-072222-DB559 (A2G0645-04RE1)				**Matrix: Soil**		**Batch: 22H0080**		
Gasoline Range Organics	ND	2.87	5.74	mg/kg dry	50	08/02/22 15:46	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*08/02/22 15:46*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*08/02/22 15:46*	*NWTPH-Gx (MS)*	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0024**		
Acetone	ND	1400	1400	ug/kg dry	50	08/01/22 13:57	5035A/8260D	ICV-02
Acrylonitrile	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Benzene	**16.8**	6.99	14.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Bromobenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Bromochloromethane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Bromodichloromethane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Bromoform	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Bromomethane	ND	699	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
2-Butanone (MEK)	ND	699	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	ICV-02
n-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
sec-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
tert-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Carbon disulfide	ND	350	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Carbon tetrachloride	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Chlorobenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Chloroethane	ND	350	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Chloroform	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Chloromethane	ND	175	350	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
2-Chlorotoluene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
4-Chlorotoluene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Dibromochloromethane	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	175	350	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Dibromomethane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,3-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,4-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Dichlorodifluoromethane	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1-Dichloroethane	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
trans-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0024**		
1,2-Dichloropropane	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,3-Dichloropropane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
2,2-Dichloropropane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
cis-1,3-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
trans-1,3-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Ethylbenzene	**37.1**	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Hexachlorobutadiene	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
2-Hexanone	ND	699	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Isopropylbenzene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
4-Isopropyltoluene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Methylene chloride	ND	350	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	350	699	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Naphthalene	**5850**	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
n-Propylbenzene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Styrene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Toluene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2,3-Trichlorobenzene	ND	175	350	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2,4-Trichlorobenzene	ND	175	350	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1,1-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,1,2-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Trichloroethene (TCE)	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Trichlorofluoromethane	ND	69.9	140	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2,3-Trichloropropane	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
1,2,4-Trimethylbenzene	**48.3**	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	**J**
1,3,5-Trimethylbenzene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
Vinyl chloride	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
m,p-Xylene	ND	35.0	69.9	ug/kg dry	50	08/01/22 13:57	5035A/8260D	
o-Xylene	ND	17.5	35.0	ug/kg dry	50	08/01/22 13:57	5035A/8260D	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0024**		
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*	*1*	*08/01/22 13:57*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*08/01/22 13:57*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*	*1*	*08/01/22 13:57*	*5035A/8260D*	
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0024**		
Acetone	ND	1130	1130	ug/kg dry	50	08/01/22 14:51	5035A/8260D	ICV-02
Acrylonitrile	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Benzene	**22.5**	5.63	11.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Bromobenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Bromochloromethane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Bromodichloromethane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Bromoform	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Bromomethane	ND	563	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
2-Butanone (MEK)	ND	563	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	ICV-02
n-Butylbenzene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
sec-Butylbenzene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
tert-Butylbenzene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Carbon disulfide	ND	281	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Carbon tetrachloride	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Chlorobenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Chloroethane	ND	281	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Chloroform	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Chloromethane	ND	141	281	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
2-Chlorotoluene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
4-Chlorotoluene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Dibromochloromethane	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	141	281	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Dibromomethane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2-Dichlorobenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,3-Dichlorobenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,4-Dichlorobenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Dichlorodifluoromethane	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1-Dichloroethane	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0024**		
1,2-Dichloroethane (EDC)	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1-Dichloroethene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
cis-1,2-Dichloroethene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
trans-1,2-Dichloroethene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2-Dichloropropane	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,3-Dichloropropane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
2,2-Dichloropropane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1-Dichloropropene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
cis-1,3-Dichloropropene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
trans-1,3-Dichloropropene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Ethylbenzene	**43.9**	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Hexachlorobutadiene	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
2-Hexanone	ND	563	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Isopropylbenzene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
4-Isopropyltoluene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Methylene chloride	ND	281	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	281	563	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Naphthalene	**7190**	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
n-Propylbenzene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Styrene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Tetrachloroethene (PCE)	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Toluene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2,3-Trichlorobenzene	ND	141	281	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2,4-Trichlorobenzene	ND	141	281	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1,1-Trichloroethane	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,1,2-Trichloroethane	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Trichloroethene (TCE)	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Trichlorofluoromethane	ND	56.3	113	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2,3-Trichloropropane	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
1,2,4-Trimethylbenzene	**59.1**	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0024**		
1,3,5-Trimethylbenzene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Vinyl chloride	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
m,p-Xylene	ND	28.1	56.3	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
o-Xylene	ND	14.1	28.1	ug/kg dry	50	08/01/22 14:51	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*08/01/22 14:51*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*08/01/22 14:51*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*08/01/22 14:51*	*5035A/8260D*	
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0024**		
Acetone	ND	1390	1390	ug/kg dry	50	08/01/22 15:18	5035A/8260D	ICV-02
Acrylonitrile	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Benzene	**175**	6.93	13.9	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Bromobenzene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Bromochloromethane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Bromodichloromethane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Bromoform	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Bromomethane	ND	693	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
2-Butanone (MEK)	ND	693	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	ICV-02
n-Butylbenzene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
sec-Butylbenzene	**54.7**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	**J**
tert-Butylbenzene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Carbon disulfide	ND	346	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Carbon tetrachloride	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Chlorobenzene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Chloroethane	ND	346	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Chloroform	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Chloromethane	ND	173	346	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
2-Chlorotoluene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
4-Chlorotoluene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Dibromochloromethane	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	173	346	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Dibromomethane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2-Dichlorobenzene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0024**		
1,3-Dichlorobenzene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,4-Dichlorobenzene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Dichlorodifluoromethane	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1-Dichloroethane	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1-Dichloroethene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
cis-1,2-Dichloroethene	**17.3**	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	**J**
trans-1,2-Dichloroethene	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2-Dichloropropane	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,3-Dichloropropane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
2,2-Dichloropropane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1-Dichloropropene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
cis-1,3-Dichloropropene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
trans-1,3-Dichloropropene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Ethylbenzene	**281**	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Hexachlorobutadiene	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
2-Hexanone	ND	693	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Isopropylbenzene	**51.3**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	**J**
4-Isopropyltoluene	**57.5**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	**J**
Methylene chloride	ND	346	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	346	693	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
n-Propylbenzene	**43.0**	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Styrene	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Toluene	**132**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2,3-Trichlorobenzene	ND	173	346	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2,4-Trichlorobenzene	ND	173	346	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1,1-Trichloroethane	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,1,2-Trichloroethane	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Trichloroethene (TCE)	**30.5**	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	**J**

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0024**		
Trichlorofluoromethane	ND	69.3	139	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2,3-Trichloropropane	ND	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,2,4-Trimethylbenzene	**545**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
1,3,5-Trimethylbenzene	**200**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Vinyl chloride	ND	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
m,p-Xylene	**363**	34.6	69.3	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
o-Xylene	**170**	17.3	34.6	ug/kg dry	50	08/01/22 15:18	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*08/01/22 15:18*	*5035A/8260D*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*08/01/22 15:18*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*08/01/22 15:18*	*5035A/8260D*	
DG-IDW-072222-03 (A2G0645-03RE1)				**Matrix: Soil**		**Batch: 22H0080**		
Naphthalene	**58000**	1390	2770	ug/kg dry	1000	08/02/22 16:40	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*08/02/22 16:40*	*5035A/8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*08/02/22 16:40*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*79-120 %*	*1*	*08/02/22 16:40*	*5035A/8260D*	
DG-IDW-072222-DB559 (A2G0645-04RE1)				**Matrix: Soil**		**Batch: 22H0080**		
Acetone	ND	1150	1150	ug/kg dry	50	08/02/22 15:46	5035A/8260D	ICV-02
Acrylonitrile	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Benzene	ND	5.74	11.5	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Bromobenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Bromochloromethane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Bromodichloromethane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Bromoform	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Bromomethane	ND	574	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
2-Butanone (MEK)	ND	574	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	ICV-02
n-Butylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
sec-Butylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
tert-Butylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Carbon disulfide	ND	287	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Carbon tetrachloride	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Chlorobenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Chloroethane	ND	574	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04RE1)				**Matrix: Soil**		**Batch: 22H0080**		
Chloroform	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Chloromethane	ND	144	287	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
2-Chlorotoluene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
4-Chlorotoluene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Dibromochloromethane	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	144	287	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Dibromomethane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2-Dichlorobenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,3-Dichlorobenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,4-Dichlorobenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Dichlorodifluoromethane	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1-Dichloroethane	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1-Dichloroethene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
cis-1,2-Dichloroethene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
trans-1,2-Dichloroethene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2-Dichloropropane	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,3-Dichloropropane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
2,2-Dichloropropane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1-Dichloropropene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
cis-1,3-Dichloropropene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
trans-1,3-Dichloropropene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Ethylbenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Hexachlorobutadiene	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
2-Hexanone	ND	287	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Isopropylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
4-Isopropyltoluene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Methylene chloride	ND	287	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	287	574	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Naphthalene	**129**	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
n-Propylbenzene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04RE1)				**Matrix: Soil**		**Batch: 22H0080**		
Styrene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Tetrachloroethene (PCE)	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Toluene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2,3-Trichlorobenzene	ND	144	287	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2,4-Trichlorobenzene	ND	144	287	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1,1-Trichloroethane	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,1,2-Trichloroethane	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Trichloroethene (TCE)	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Trichlorofluoromethane	ND	57.4	115	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2,3-Trichloropropane	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,2,4-Trimethylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
1,3,5-Trimethylbenzene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Vinyl chloride	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
m,p-Xylene	ND	28.7	57.4	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
o-Xylene	ND	14.4	28.7	ug/kg dry	50	08/02/22 15:46	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*08/02/22 15:46*	*5035A/8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*08/02/22 15:46*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*95 %*	*79-120 %*	*1*	*08/02/22 15:46*	*5035A/8260D*	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0086**		
Acenaphthene	**3730**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Acenaphthylene	**683**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	**J**
Anthracene	**3150**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benz(a)anthracene	**2370**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benzo(a)pyrene	**3220**	644	1290	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benzo(b)fluoranthene	**2880**	644	1290	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benzo(k)fluoranthene	**1150**	644	1290	ug/kg dry	100	08/02/22 17:58	EPA 8270E	**J**
Benzo(g,h,i)perylene	**2770**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Chrysene	**3110**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Dibenz(a,h)anthracene	ND	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Fluoranthene	**9000**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Fluorene	**2340**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**2480**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1-Methylnaphthalene	**1680**	860	1720	ug/kg dry	100	08/02/22 17:58	EPA 8270E	**J**
2-Methylnaphthalene	**1230**	860	1720	ug/kg dry	100	08/02/22 17:58	EPA 8270E	**J**
Naphthalene	**5600**	860	1720	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Phenanthrene	**14900**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Pyrene	**11300**	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Carbazole	ND	644	1290	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Dibenzofuran	ND	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2-Chlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Chloro-3-methylphenol	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4-Dichlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4-Dimethylphenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4-Dinitrophenol	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2-Methylphenol	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
3+4-Methylphenol(s)	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2-Nitrophenol	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Nitrophenol	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Pentachlorophenol (PCP)	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Phenol	ND	860	1720	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0086**		
2,3,5,6-Tetrachlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4,5-Trichlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Nitrobenzene	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4,6-Trichlorophenol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	6440	12900	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Butyl benzyl phthalate	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Diethylphthalate	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Dimethylphthalate	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Di-n-butylphthalate	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Di-n-octyl phthalate	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
N-Nitrosodimethylamine	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
N-Nitrosodiphenylamine	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Hexachlorobenzene	ND	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Hexachlorobutadiene	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Hexachlorocyclopentadiene	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Hexachloroethane	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2-Chloronaphthalene	ND	428	860	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,2,4-Trichlorobenzene	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Bromophenyl phenyl ether	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Aniline	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Chloroaniline	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2-Nitroaniline	ND	8600	17200	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
3-Nitroaniline	ND	8600	17200	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
4-Nitroaniline	ND	8600	17200	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,4-Dinitrotoluene	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
2,6-Dinitrotoluene	ND	4280	8600	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benzoic acid	ND	53800	107000	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Benzyl alcohol	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**		**Batch: 22H0086**		
Isophorone	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Azobenzene (1,2-DPH)	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
3,3'-Dichlorobenzidine	ND	8600	17200	ug/kg dry	100	08/02/22 17:58	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,3-Dinitrobenzene	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,4-Dinitrobenzene	ND	10700	21500	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Pyridine	ND	2150	4280	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,2-Dichlorobenzene	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,3-Dichlorobenzene	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
1,4-Dichlorobenzene	ND	1070	2150	ug/kg dry	100	08/02/22 17:58	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*66 %*	*Limits: 37-122 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*76 %*	*44-120 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*81 %*	*33-122 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*94 %*	*54-127 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*45 %*	*35-120 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*33 %*	*39-132 %*	*100*	*08/02/22 17:58*	*EPA 8270E*	*S-05*
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0086**		
Acenaphthene	**2540**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Acenaphthylene	**846**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Anthracene	**2890**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benz(a)anthracene	**4240**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benzo(a)pyrene	**6800**	617	1230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benzo(b)fluoranthene	**6060**	617	1230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benzo(k)fluoranthene	**2070**	617	1230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**5670**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Chrysene	**5400**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Dibenz(a,h)anthracene	**634**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	**J**
Fluoranthene	**12000**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Fluorene	**1650**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**4910**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1-Methylnaphthalene	**881**	823	1640	ug/kg dry	100	08/02/22 18:32	EPA 8270E	**J**
2-Methylnaphthalene	ND	823	1640	ug/kg dry	100	08/02/22 18:32	EPA 8270E	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0086**		
Naphthalene	**3930**	823	1640	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Phenanthrene	**12700**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Pyrene	**14600**	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Carbazole	**716**	617	1230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	**J**
Dibenzofuran	ND	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2-Chlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Chloro-3-methylphenol	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4-Dichlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4-Dimethylphenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4-Dinitrophenol	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2-Methylphenol	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
3+4-Methylphenol(s)	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2-Nitrophenol	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Nitrophenol	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Pentachlorophenol (PCP)	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Phenol	ND	823	1640	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4,5-Trichlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Nitrobenzene	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4,6-Trichlorophenol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	6170	12300	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Butyl benzyl phthalate	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Diethylphthalate	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Dimethylphthalate	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Di-n-butylphthalate	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Di-n-octyl phthalate	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
N-Nitrosodimethylamine	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
N-Nitrosodiphenylamine	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0086**		
2,2'-Oxybis(1-Chloropropane)	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Hexachlorobenzene	ND	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Hexachlorobutadiene	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Hexachlorocyclopentadiene	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Hexachloroethane	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2-Chloronaphthalene	ND	410	823	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,2,4-Trichlorobenzene	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Bromophenyl phenyl ether	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Aniline	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Chloroaniline	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2-Nitroaniline	ND	8230	16400	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
3-Nitroaniline	ND	8230	16400	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
4-Nitroaniline	ND	8230	16400	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,4-Dinitrotoluene	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
2,6-Dinitrotoluene	ND	4100	8230	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benzoic acid	ND	51500	103000	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Benzyl alcohol	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Isophorone	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Azobenzene (1,2-DPH)	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
3,3'-Dichlorobenzidine	ND	8230	16400	ug/kg dry	100	08/02/22 18:32	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,3-Dinitrobenzene	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,4-Dinitrobenzene	ND	10300	20600	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Pyridine	ND	2060	4100	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,2-Dichlorobenzene	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,3-Dichlorobenzene	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
1,4-Dichlorobenzene	ND	1030	2060	ug/kg dry	100	08/02/22 18:32	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*62 %*	*Limits: 37-122 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*53 %*	*44-120 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*78 %*	*33-122 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*80 %*	*54-127 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*47 %*	*35-120 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*

Apex Laboratories

Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**		**Batch: 22H0086**		
Surrogate: 2,4,6-Tribromophenol (Surr)			*Recovery: 27 %*	*Limits: 39-132 %*	*100*	*08/02/22 18:32*	*EPA 8270E*	*S-05*
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0086**		
Acenaphthene	**9600**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Acenaphthylene	**3590**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Anthracene	**8130**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benz(a)anthracene	**5250**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benzo(a)pyrene	**6840**	635	1270	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benzo(b)fluoranthene	**5480**	635	1270	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benzo(k)fluoranthene	**2300**	635	1270	ug/kg dry	100	08/02/22 19:06	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**5240**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Chrysene	**6870**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Dibenz(a,h)anthracene	**616**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	**J**
Fluoranthene	**21500**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Fluorene	**7670**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**4430**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1-Methylnaphthalene	**9260**	848	1690	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Methylnaphthalene	**13700**	848	1690	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Naphthalene	**46100**	848	1690	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Phenanthrene	**41500**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Pyrene	**26700**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Carbazole	**2940**	635	1270	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Dibenzofuran	**1390**	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Chlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Chloro-3-methylphenol	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4-Dichlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4-Dimethylphenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4-Dinitrophenol	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Methylphenol	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
3+4-Methylphenol(s)	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Nitrophenol	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Nitrophenol	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0086**		
Pentachlorophenol (PCP)	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Phenol	ND	848	1690	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4,5-Trichlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Nitrobenzene	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4,6-Trichlorophenol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	6350	12700	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Butyl benzyl phthalate	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Diethylphthalate	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Dimethylphthalate	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Di-n-butylphthalate	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Di-n-octyl phthalate	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
N-Nitrosodimethylamine	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
N-Nitrosodiphenylamine	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Hexachlorobenzene	ND	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Hexachlorobutadiene	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Hexachlorocyclopentadiene	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Hexachloroethane	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Chloronaphthalene	ND	422	848	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,2,4-Trichlorobenzene	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Bromophenyl phenyl ether	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Aniline	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Chloroaniline	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2-Nitroaniline	ND	8480	16900	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
3-Nitroaniline	ND	8480	16900	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
4-Nitroaniline	ND	8480	16900	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
2,4-Dinitrotoluene	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**		**Batch: 22H0086**		
2,6-Dinitrotoluene	ND	4220	8480	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benzoic acid	ND	53000	106000	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Benzyl alcohol	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Isophorone	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Azobenzene (1,2-DPH)	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
3,3'-Dichlorobenzidine	ND	8480	16900	ug/kg dry	100	08/02/22 19:06	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,3-Dinitrobenzene	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,4-Dinitrobenzene	ND	10600	21200	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Pyridine	ND	2120	4220	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,2-Dichlorobenzene	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,3-Dichlorobenzene	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
1,4-Dichlorobenzene	ND	1060	2120	ug/kg dry	100	08/02/22 19:06	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*69 %*	*Limits: 37-122 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*67 %*	*44-120 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*96 %*	*33-122 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*86 %*	*54-127 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*49 %*	*35-120 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*43 %*	*39-132 %*	*100*	*08/02/22 19:06*	*EPA 8270E*	*S-05*
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**		**Batch: 22H0086**		
Acenaphthene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Acenaphthylene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Anthracene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Benz(a)anthracene	**551**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	**J**
Benzo(a)pyrene	**1280**	596	1190	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Benzo(b)fluoranthene	**1030**	596	1190	ug/kg dry	100	08/02/22 19:41	EPA 8270E	**J**
Benzo(k)fluoranthene	ND	596	1190	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Benzo(g,h,i)perylene	**1090**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Chrysene	**717**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	**J**
Dibenz(a,h)anthracene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Fluoranthene	**655**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	**J**
Fluorene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**		**Batch: 22H0086**		
Indeno(1,2,3-cd)pyrene	**958**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1-Methylnaphthalene	ND	795	1590	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Methylnaphthalene	ND	795	1590	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Naphthalene	ND	795	1590	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Phenanthrene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Pyrene	**1020**	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Carbazole	ND	596	1190	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Dibenzofuran	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Chlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Chloro-3-methylphenol	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4-Dichlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4-Dimethylphenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4-Dinitrophenol	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Methylphenol	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
3+4-Methylphenol(s)	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Nitrophenol	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Nitrophenol	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Pentachlorophenol (PCP)	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Phenol	ND	795	1590	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4,5-Trichlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Nitrobenzene	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4,6-Trichlorophenol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	5960	11900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Butyl benzyl phthalate	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Diethylphthalate	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Dimethylphthalate	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Di-n-butylphthalate	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Di-n-octyl phthalate	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
N-Nitrosodimethylamine	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**		**Batch: 22H0086**		
N-Nitrosodiphenylamine	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Hexachlorobenzene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Hexachlorobutadiene	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Hexachlorocyclopentadiene	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Hexachloroethane	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Chloronaphthalene	ND	396	795	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,2,4-Trichlorobenzene	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Bromophenyl phenyl ether	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Aniline	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Chloroaniline	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2-Nitroaniline	ND	7950	15900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
3-Nitroaniline	ND	7950	15900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
4-Nitroaniline	ND	7950	15900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,4-Dinitrotoluene	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
2,6-Dinitrotoluene	ND	3960	7950	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Benzoic acid	ND	49800	99200	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Benzyl alcohol	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Isophorone	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Azobenzene (1,2-DPH)	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
3,3'-Dichlorobenzidine	ND	7950	15900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,3-Dinitrobenzene	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,4-Dinitrobenzene	ND	9920	19900	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Pyridine	ND	1990	3960	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,2-Dichlorobenzene	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,3-Dichlorobenzene	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
1,4-Dichlorobenzene	ND	992	1990	ug/kg dry	100	08/02/22 19:41	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery: 48 %*		*Limits: 37-122 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**		**Batch: 22H0086**		
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*48 %*	*Limits: 44-120 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*69 %*	*33-122 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*75 %*	*54-127 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*30 %*	*35-120 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*22 %*	*39-132 %*	*100*	*08/02/22 19:41*	*EPA 8270E*	*S-05*

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Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**				
Batch: 22G1023								
Arsenic	**2.13**	0.625	1.25	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Barium	**76.6**	0.625	1.25	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Cadmium	**0.407**	0.125	0.250	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Chromium	**9.66**	0.625	1.25	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Lead	**26.5**	0.125	0.250	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Mercury	ND	0.0500	0.100	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Selenium	ND	0.625	1.25	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
Silver	ND	0.125	0.250	mg/kg dry	10	07/29/22 22:03	EPA 6020B	
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**				
Batch: 22G1023								
Arsenic	**2.26**	0.680	1.36	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Barium	**90.4**	0.680	1.36	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Cadmium	**0.315**	0.136	0.272	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Chromium	**9.70**	0.680	1.36	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Lead	**22.0**	0.136	0.272	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Mercury	**0.0864**	0.0544	0.109	mg/kg dry	10	07/29/22 22:08	EPA 6020B	**J**
Selenium	ND	0.680	1.36	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
Silver	ND	0.136	0.272	mg/kg dry	10	07/29/22 22:08	EPA 6020B	
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**				
Batch: 22G1023								
Arsenic	**2.54**	0.633	1.27	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Barium	**91.7**	0.633	1.27	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Cadmium	**0.229**	0.127	0.253	mg/kg dry	10	07/29/22 22:13	EPA 6020B	**J**
Chromium	**14.2**	0.633	1.27	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Lead	**15.9**	0.127	0.253	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Mercury	ND	0.0507	0.101	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Selenium	ND	0.633	1.27	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
Silver	ND	0.127	0.253	mg/kg dry	10	07/29/22 22:13	EPA 6020B	
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**				
Batch: 22G1023								

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6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**				
Arsenic	**1.57**	0.662	1.32	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Barium	**88.7**	0.662	1.32	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Cadmium	ND	0.132	0.265	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Chromium	**8.96**	0.662	1.32	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Lead	**6.94**	0.132	0.265	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Mercury	ND	0.0529	0.106	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Selenium	ND	0.662	1.32	mg/kg dry	10	07/29/22 22:18	EPA 6020B	
Silver	ND	0.132	0.265	mg/kg dry	10	07/29/22 22:18	EPA 6020B	

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ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by Flow Analysis (Non-Aqueous/Water Leach)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01RE1)				**Matrix: Soil**		**Batch: 22G0830**		
Total Cyanide	**31.2**	2.59	2.59	mg/kg dry	20	07/26/22 17:15	EPA 9013M/9012	**Q-42**
DG-IDW-072222-02 (A2G0645-02RE1)				**Matrix: Soil**		**Batch: 22G0830**		
Total Cyanide	**25.5**	2.49	2.49	mg/kg dry	20	07/26/22 17:21	EPA 9013M/9012	
DG-IDW-072222-03 (A2G0645-03RE1)				**Matrix: Soil**		**Batch: 22G0830**		
Total Cyanide	**14.8**	0.258	0.258	mg/kg dry	2	07/26/22 17:23	EPA 9013M/9012	
DG-IDW-072222-DB559 (A2G0645-04RE4)				**Matrix: Soil**		**Batch: 22H0107**		
Total Cyanide	ND	2.48	2.48	mg/kg dry	1	08/03/22 16:19	EPA 9013M/9012	

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**				
Batch: 22G0803								
Total Solids	**77.1**	1.00	1.00	%	1	07/25/22 15:35	SM 2540 G	
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**				
Batch: 22G0803								
Total Solids	**80.1**	1.00	1.00	%	1	07/25/22 15:35	SM 2540 G	
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**				
Batch: 22G0803								
Total Solids	**77.1**	1.00	1.00	%	1	07/25/22 15:35	SM 2540 G	
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**				
Batch: 22G0803								
Total Solids	**80.2**	1.00	1.00	%	1	07/25/22 15:35	SM 2540 G	

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Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

ANALYTICAL SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DG-IDW-072122-01 (A2G0645-01)				**Matrix: Soil**				
Batch: 22G0760								
Soil/Solid pH (measured in H2O)	**6.8**			pH Units	1	07/22/22 18:50	EPA 9045D	**pH_S**
pH Temperature (deg C)	**21.3**			pH Units	1	07/22/22 18:50	EPA 9045D	**pH_S**
Batch: 22G0903								
Flash Point (Ignitability)	>150° F	70.0	70.0	degF	1	07/27/22 15:14	EPA 1010M	
Batch: 22G0973								
Free Liquid	ND	0.00	0.00	mL	1	07/28/22 16:06	EPA 9095B	
DG-IDW-072222-02 (A2G0645-02)				**Matrix: Soil**				
Batch: 22G0760								
Soil/Solid pH (measured in H2O)	**6.6**			pH Units	1	07/22/22 18:52	EPA 9045D	**pH_S**
pH Temperature (deg C)	**21.0**			pH Units	1	07/22/22 18:52	EPA 9045D	**pH_S**
Batch: 22G0903								
Flash Point (Ignitability)	>150° F	70.0	70.0	degF	1	07/27/22 15:45	EPA 1010M	
Batch: 22G0973								
Free Liquid	ND	0.00	0.00	mL	1	07/28/22 16:12	EPA 9095B	
DG-IDW-072222-03 (A2G0645-03)				**Matrix: Soil**				
Batch: 22G0760								
Soil/Solid pH (measured in H2O)	**6.9**			pH Units	1	07/22/22 18:56	EPA 9045D	**pH_S**
pH Temperature (deg C)	**20.8**			pH Units	1	07/22/22 18:56	EPA 9045D	**pH_S**
Batch: 22G0903								
Flash Point (Ignitability)	>150° F	70.0	70.0	degF	1	07/27/22 16:08	EPA 1010M	
Batch: 22G0973								
Free Liquid	ND	0.00	0.00	mL	1	07/28/22 16:17	EPA 9095B	
DG-IDW-072222-DB559 (A2G0645-04)				**Matrix: Soil**				
Batch: 22G0760								
Soil/Solid pH (measured in H2O)	**8.0**			pH Units	1	07/22/22 18:58	EPA 9045D	**pH_S**
pH Temperature (deg C)	**20.7**			pH Units	1	07/22/22 18:58	EPA 9045D	**pH_S**
Batch: 22G0903								
Flash Point (Ignitability)	>150° F	70.0	70.0	degF	1	07/27/22 16:34	EPA 1010M	
Batch: 22G0973								
Free Liquid	ND	0.00	0.00	mL	1	07/28/22 16:22	EPA 9095B	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0141 - EPA 3546 (Fuels)							**Soil**					
Blank (22H0141-BLK1)			Prepared: 08/03/22 12:46		Analyzed: 08/03/22 20:53							
NWTPH-Dx												
Diesel	ND	9.09	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	18.2	50.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 96 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (22H0141-BS1)			Prepared: 08/03/22 12:46		Analyzed: 08/03/22 21:14							
NWTPH-Dx												
Diesel	98.2	10.0	20.0	mg/kg wet	1	125	---	79	38-132%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 96 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (22H0141-DUP2)			Prepared: 08/03/22 17:55		Analyzed: 08/04/22 00:01							
QC Source Sample: Non-SDG (A2H0116-02)												
Diesel	**46.9**	12.7	25.3	mg/kg dry	1	---	40.4	---	---	15	30%	F-11
Oil	ND	25.3	50.7	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 73 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (22H0141-DUP3)			Prepared: 08/03/22 12:46		Analyzed: 08/04/22 12:16							**Q-17**
QC Source Sample: DG-IDW-072122-01 (A2G0645-01RE1)												
NWTPH-Dx												
Diesel	**309**	64.5	129	mg/kg dry	5	---	1680	---	---	**138**	**30%**	
Oil	**291**	129	258	mg/kg dry	5	---	1870	---	---	**146**	**30%**	
Surr: o-Terphenyl (Surr)			*Recovery: 94 %*		*Limits: 50-150 %*		*Dilution: 5x*					

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Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0024 - EPA 5035A							**Soil**					
Blank (22H0024-BLK1)			Prepared: 08/01/22 07:11 Analyzed: 08/01/22 13:03									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 100 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*			*"*					
LCS (22H0024-BS2)			Prepared: 08/01/22 07:11 Analyzed: 08/01/22 12:36									
NWTPH-Gx (MS)												
Gasoline Range Organics	27.0	2.50	5.00	mg/kg wet	50	25.0	---	108	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 98 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*			*"*					
Duplicate (22H0024-DUP1)			Prepared: 07/21/22 14:30 Analyzed: 08/01/22 14:24									
QC Source Sample: DG-IDW-072122-01 (A2G0645-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**19.6**	3.50	6.99	mg/kg dry	50	---	19.9	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 105 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*			*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0080 - EPA 5035A							**Soil**					
Blank (22H0080-BLK1)			Prepared: 08/02/22 08:00 Analyzed: 08/02/22 14:25									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*			*"*					
LCS (22H0080-BS2)			Prepared: 08/02/22 08:00 Analyzed: 08/02/22 12:37									
NWTPH-Gx (MS)												
Gasoline Range Organics	25.9	2.50	5.00	mg/kg wet	50	25.0	---	104	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 98 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*			*"*					
Duplicate (22H0080-DUP1)			Prepared: 08/01/22 09:29 Analyzed: 08/02/22 15:19									
QC Source Sample: Non-SDG (A2H0032-01)												
Gasoline Range Organics	ND	10.2	20.3	mg/kg dry	200	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 108 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*113 %*	*50-150 %*			*"*					
Duplicate (22H0080-DUP2)			Prepared: 08/01/22 19:20 Analyzed: 08/02/22 21:37									V-15
QC Source Sample: Non-SDG (A2H0031-04)												
Gasoline Range Organics	ND	13.1	13.1	mg/kg dry	100	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 101 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*102 %*	*50-150 %*			*"*					

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
Blank (22H0024-BLK1)			Prepared: 08/01/22 07:11		Analyzed: 08/01/22 13:03							
5035A/8260D												
Acetone	ND	667	667	ug/kg wet	50	---	---	---	---	---	---	ICV-02
Acrylonitrile	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	ICV-02
n-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
Blank (22H0024-BLK1)			Prepared: 08/01/22 07:11 Analyzed: 08/01/22 13:03									
1,2-Dichloropropane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 101 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
Blank (22H0024-BLK1)				Prepared: 08/01/22 07:11 Analyzed: 08/01/22 13:03								
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*			*"*					
LCS (22H0024-BS1)				Prepared: 08/01/22 07:11 Analyzed: 08/01/22 12:09								
5035A/8260D												
Acetone	1500	1000	1000	ug/kg wet	50	2000	---	**75**	**80-120%**	---	---	Q-55, ICV-02
Acrylonitrile	932	50.0	100	ug/kg wet	50	1000	---	93	80-120%	---	---	
Benzene	988	5.00	10.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromobenzene	966	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Bromochloromethane	935	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Bromodichloromethane	1090	25.0	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromoform	917	50.0	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
Bromomethane	1280	500	500	ug/kg wet	50	1000	---	**128**	**80-120%**	---	---	ICV-01, Q-56
2-Butanone (MEK)	1500	500	500	ug/kg wet	50	2000	---	**75**	**80-120%**	---	---	ICV-02, Q-55
n-Butylbenzene	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
sec-Butylbenzene	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
tert-Butylbenzene	968	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Carbon disulfide	856	250	500	ug/kg wet	50	1000	---	86	80-120%	---	---	
Carbon tetrachloride	1190	25.0	50.0	ug/kg wet	50	1000	---	119	80-120%	---	---	
Chlorobenzene	980	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Chloroethane	876	250	500	ug/kg wet	50	1000	---	88	80-120%	---	---	
Chloroform	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Chloromethane	891	125	250	ug/kg wet	50	1000	---	89	80-120%	---	---	
2-Chlorotoluene	984	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
4-Chlorotoluene	960	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Dibromochloromethane	962	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2-Dibromo-3-chloropropane	832	125	250	ug/kg wet	50	1000	---	83	80-120%	---	---	
1,2-Dibromoethane (EDB)	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Dibromomethane	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2-Dichlorobenzene	980	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,3-Dichlorobenzene	980	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,4-Dichlorobenzene	968	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Dichlorodifluoromethane	1280	50.0	100	ug/kg wet	50	1000	---	**128**	**80-120%**	---	---	Q-56
1,1-Dichloroethane	947	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
LCS (22H0024-BS1)			Prepared: 08/01/22 07:11		Analyzed: 08/01/22 12:09							
1,2-Dichloroethane (EDC)	995	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,1-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	966	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
trans-1,2-Dichloroethene	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,2-Dichloropropane	982	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,3-Dichloropropane	992	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
2,2-Dichloropropane	972	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,1-Dichloropropene	1090	25.0	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
cis-1,3-Dichloropropene	971	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Ethylbenzene	965	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Hexachlorobutadiene	986	50.0	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
2-Hexanone	1490	500	500	ug/kg wet	50	2000	---	**74**	**80-120%**	---	---	Q-55
Isopropylbenzene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
4-Isopropyltoluene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Methylene chloride	1040	250	500	ug/kg wet	50	1000	---	104	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1660	250	500	ug/kg wet	50	2000	---	83	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	954	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Naphthalene	923	50.0	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
n-Propylbenzene	992	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Styrene	956	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1160	12.5	25.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
1,1,2,2-Tetrachloroethane	994	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Tetrachloroethene (PCE)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Toluene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2,3-Trichlorobenzene	930	125	250	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	910	125	250	ug/kg wet	50	1000	---	91	80-120%	---	---	
1,1,1-Trichloroethane	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,1,2-Trichloroethane	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Trichloroethene (TCE)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichlorofluoromethane	1190	50.0	100	ug/kg wet	50	1000	---	119	80-120%	---	---	
1,2,3-Trichloropropane	996	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,4-Trimethylbenzene	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,3,5-Trimethylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	

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APEX LABORATORIES

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
LCS (22H0024-BS1)			Prepared: 08/01/22 07:11		Analyzed: 08/01/22 12:09							
Vinyl chloride	1150	12.5	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
m,p-Xylene	1960	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	946	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*				*"*			
Duplicate (22H0024-DUP1)			Prepared: 07/21/22 14:30		Analyzed: 08/01/22 14:24							
QC Source Sample: DG-IDW-072122-01 (A2G0645-01)												
5035A/8260D												
Acetone	ND	1400	1400	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02
Acrylonitrile	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	**16.1**	6.99	14.0	ug/kg dry	50	---	16.8	---	---	4	30%	
Bromobenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	699	699	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	699	699	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02
n-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	350	699	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	350	699	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	175	350	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	175	350	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

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 22H0024 - EPA 5035A							**Soil**					
Duplicate (22H0024-DUP1)			Prepared: 07/21/22 14:30 Analyzed: 08/01/22 14:24									
QC Source Sample: DG-IDW-072122-01 (A2G0645-01)												
1,2-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	**39.2**	17.5	35.0	ug/kg dry	50	---	37.1	---	---	6	30%	
Hexachlorobutadiene	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	699	699	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	350	699	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	350	699	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	**5340**	69.9	140	ug/kg dry	50	---	5850	---	---	9	30%	
n-Propylbenzene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	175	350	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	175	350	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

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 22H0024 - EPA 5035A							**Soil**					
Duplicate (22H0024-DUP1)			Prepared: 07/21/22 14:30 Analyzed: 08/01/22 14:24									
QC Source Sample: DG-IDW-072122-01 (A2G0645-01)												
1,1,2-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	69.9	140	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**49.7**	35.0	69.9	ug/kg dry	50	---	48.3	---	---	3	30%	J
1,3,5-Trimethylbenzene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	35.0	69.9	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	17.5	35.0	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*			*"*					
Matrix Spike (22H0024-MS1)			Prepared: 07/29/22 11:43 Analyzed: 08/01/22 19:47									**V-15**
QC Source Sample: Non-SDG (A2G0823-01)												
5035A/8260D												
Acetone	2180	1490	1490	ug/kg dry	50	2980	ND	73	36-164%	---	---	ICV-02, Q-54e
Acrylonitrile	1300	74.3	149	ug/kg dry	50	1490	ND	87	65-134%	---	---	
Benzene	1570	7.43	14.9	ug/kg dry	50	1490	ND	106	77-121%	---	---	
Bromobenzene	1490	18.6	37.2	ug/kg dry	50	1490	ND	100	78-121%	---	---	
Bromochloromethane	1420	37.2	74.3	ug/kg dry	50	1490	ND	95	78-125%	---	---	
Bromodichloromethane	1690	37.2	74.3	ug/kg dry	50	1490	ND	113	75-127%	---	---	
Bromoform	1430	74.3	149	ug/kg dry	50	1490	ND	96	67-132%	---	---	
Bromomethane	2360	743	743	ug/kg dry	50	1490	ND	**158**	**53-143%**	---	---	ICV-01, Q-54c
2-Butanone (MEK)	1900	743	743	ug/kg dry	50	2980	ND	64	51-148%	---	---	ICV-02, Q-54e
n-Butylbenzene	1620	37.2	74.3	ug/kg dry	50	1490	ND	109	70-128%	---	---	
sec-Butylbenzene	1640	37.2	74.3	ug/kg dry	50	1490	ND	110	73-126%	---	---	
tert-Butylbenzene	1500	37.2	74.3	ug/kg dry	50	1490	ND	101	73-125%	---	---	
Carbon disulfide	1310	372	743	ug/kg dry	50	1490	ND	88	63-132%	---	---	
Carbon tetrachloride	1930	37.2	74.3	ug/kg dry	50	1490	ND	130	70-135%	---	---	
Chlorobenzene	1510	18.6	37.2	ug/kg dry	50	1490	ND	102	79-120%	---	---	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
Matrix Spike (22H0024-MS1)			Prepared: 07/29/22 11:43		Analyzed: 08/01/22 19:47							**V-15**
QC Source Sample: Non-SDG (A2G0823-01)												
Chloroethane	2310	372	743	ug/kg dry	50	1490	ND	**155**	**59-139%**	---	---	Q-01
Chloroform	1580	37.2	74.3	ug/kg dry	50	1490	ND	106	78-123%	---	---	
Chloromethane	1410	186	372	ug/kg dry	50	1490	ND	95	50-136%	---	---	
2-Chlorotoluene	1540	37.2	74.3	ug/kg dry	50	1490	ND	103	75-122%	---	---	
4-Chlorotoluene	1480	37.2	74.3	ug/kg dry	50	1490	ND	100	72-124%	---	---	
Dibromochloromethane	1480	74.3	149	ug/kg dry	50	1490	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1220	186	372	ug/kg dry	50	1490	ND	82	61-132%	---	---	
1,2-Dibromoethane (EDB)	1550	37.2	74.3	ug/kg dry	50	1490	ND	104	78-122%	---	---	
Dibromomethane	1500	37.2	74.3	ug/kg dry	50	1490	ND	101	78-125%	---	---	
1,2-Dichlorobenzene	1490	18.6	37.2	ug/kg dry	50	1490	ND	100	78-121%	---	---	
1,3-Dichlorobenzene	1510	18.6	37.2	ug/kg dry	50	1490	ND	101	77-121%	---	---	
1,4-Dichlorobenzene	1490	18.6	37.2	ug/kg dry	50	1490	ND	100	75-120%	---	---	
Dichlorodifluoromethane	2040	74.3	149	ug/kg dry	50	1490	ND	137	29-149%	---	---	Q-54c
1,1-Dichloroethane	1610	18.6	37.2	ug/kg dry	50	1490	ND	108	76-125%	---	---	
1,2-Dichloroethane (EDC)	1500	18.6	37.2	ug/kg dry	50	1490	ND	100	73-128%	---	---	
1,1-Dichloroethene	1630	18.6	37.2	ug/kg dry	50	1490	ND	109	70-131%	---	---	
cis-1,2-Dichloroethene	1560	18.6	37.2	ug/kg dry	50	1490	ND	105	77-123%	---	---	
trans-1,2-Dichloroethene	1570	18.6	37.2	ug/kg dry	50	1490	ND	105	74-125%	---	---	
1,2-Dichloropropane	1530	18.6	37.2	ug/kg dry	50	1490	ND	103	76-123%	---	---	
1,3-Dichloropropane	1520	37.2	74.3	ug/kg dry	50	1490	ND	102	77-121%	---	---	
2,2-Dichloropropane	1400	37.2	74.3	ug/kg dry	50	1490	ND	94	67-133%	---	---	
1,1-Dichloropropene	1760	37.2	74.3	ug/kg dry	50	1490	ND	118	76-125%	---	---	
cis-1,3-Dichloropropene	1470	37.2	74.3	ug/kg dry	50	1490	ND	99	74-126%	---	---	
trans-1,3-Dichloropropene	1570	37.2	74.3	ug/kg dry	50	1490	ND	105	71-130%	---	---	
Ethylbenzene	1500	18.6	37.2	ug/kg dry	50	1490	ND	101	76-122%	---	---	
Hexachlorobutadiene	1620	74.3	149	ug/kg dry	50	1490	ND	109	61-135%	---	---	
2-Hexanone	2120	743	743	ug/kg dry	50	2980	ND	71	53-145%	---	---	Q-54f
Isopropylbenzene	1580	37.2	74.3	ug/kg dry	50	1490	ND	106	68-134%	---	---	
4-Isopropyltoluene	1600	37.2	74.3	ug/kg dry	50	1490	ND	107	73-127%	---	---	
Methylene chloride	1470	372	743	ug/kg dry	50	1490	ND	99	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2940	372	743	ug/kg dry	50	2980	443	84	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1460	37.2	74.3	ug/kg dry	50	1490	ND	98	73-125%	---	---	
Naphthalene	1370	74.3	149	ug/kg dry	50	1490	ND	92	62-129%	---	---	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0024 - EPA 5035A							**Soil**					
Matrix Spike (22H0024-MS1)			Prepared: 07/29/22 11:43		Analyzed: 08/01/22 19:47							**V-15**
QC Source Sample: Non-SDG (A2G0823-01)												
n-Propylbenzene	1520	18.6	37.2	ug/kg dry	50	1490	ND	102	73-125%	---	---	
Styrene	1500	37.2	74.3	ug/kg dry	50	1490	ND	101	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1810	18.6	37.2	ug/kg dry	50	1490	ND	122	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1450	37.2	74.3	ug/kg dry	50	1490	ND	98	70-124%	---	---	
Tetrachloroethene (PCE)	1650	18.6	37.2	ug/kg dry	50	1490	ND	111	73-128%	---	---	
Toluene	1450	37.2	74.3	ug/kg dry	50	1490	ND	97	77-121%	---	---	
1,2,3-Trichlorobenzene	1370	186	372	ug/kg dry	50	1490	ND	92	66-130%	---	---	
1,2,4-Trichlorobenzene	1350	186	372	ug/kg dry	50	1490	ND	91	67-129%	---	---	
1,1,1-Trichloroethane	1730	18.6	37.2	ug/kg dry	50	1490	ND	116	73-130%	---	---	
1,1,2-Trichloroethane	1530	18.6	37.2	ug/kg dry	50	1490	ND	103	78-121%	---	---	
Trichloroethene (TCE)	1670	18.6	37.2	ug/kg dry	50	1490	ND	112	77-123%	---	---	
Trichlorofluoromethane	2850	74.3	149	ug/kg dry	50	1490	ND	**191**	**62-140%**	---	---	Q-01
1,2,3-Trichloropropane	1480	37.2	74.3	ug/kg dry	50	1490	ND	100	73-125%	---	---	
1,2,4-Trimethylbenzene	1600	37.2	74.3	ug/kg dry	50	1490	ND	107	75-123%	---	---	
1,3,5-Trimethylbenzene	1590	37.2	74.3	ug/kg dry	50	1490	ND	107	73-124%	---	---	
Vinyl chloride	1670	18.6	37.2	ug/kg dry	50	1490	ND	112	56-135%	---	---	
m,p-Xylene	3010	37.2	74.3	ug/kg dry	50	2980	ND	101	77-124%	---	---	
o-Xylene	1480	18.6	37.2	ug/kg dry	50	1490	ND	99	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*79-120 %*			*"*				

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Blank (22H0080-BLK1)			Prepared: 08/02/22 08:00 Analyzed: 08/02/22 14:25									
5035A/8260D												
Acetone	ND	667	667	ug/kg wet	50	---	---	---	---	---	---	ICV-02
Acrylonitrile	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	ICV-02
n-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Blank (22H0080-BLK1)			Prepared: 08/02/22 08:00 Analyzed: 08/02/22 14:25									
1,2-Dichloropropane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 101 %* *Limits: 80-120 %* *Dilution: 1x*

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Darwin Thomas, Business Development Director

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

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Blank (22H0080-BLK1)				Prepared: 08/02/22 08:00 Analyzed: 08/02/22 14:25								
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*			*"*					
LCS (22H0080-BS1)				Prepared: 08/02/22 08:00 Analyzed: 08/02/22 12:10								
5035A/8260D												
Acetone	2290	1000	1000	ug/kg wet	50	2000	---	114	80-120%	---	---	ICV-02
Acrylonitrile	968	50.0	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
Benzene	982	5.00	10.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Bromobenzene	945	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Bromochloromethane	928	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
Bromodichloromethane	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Bromoform	882	50.0	100	ug/kg wet	50	1000	---	88	80-120%	---	---	
Bromomethane	1250	500	500	ug/kg wet	50	1000	---	**125**	**80-120%**	---	---	Q-56, ICV-01
2-Butanone (MEK)	1930	500	500	ug/kg wet	50	2000	---	96	80-120%	---	---	ICV-02
n-Butylbenzene	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
sec-Butylbenzene	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
tert-Butylbenzene	928	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
Carbon disulfide	806	250	500	ug/kg wet	50	1000	---	81	80-120%	---	---	
Carbon tetrachloride	1160	25.0	50.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
Chlorobenzene	954	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chloroethane	777	500	500	ug/kg wet	50	1000	---	**78**	**80-120%**	---	---	Q-55
Chloroform	996	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chloromethane	870	125	250	ug/kg wet	50	1000	---	87	80-120%	---	---	
2-Chlorotoluene	972	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
4-Chlorotoluene	944	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Dibromochloromethane	929	50.0	100	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2-Dibromo-3-chloropropane	814	125	250	ug/kg wet	50	1000	---	81	80-120%	---	---	
1,2-Dibromoethane (EDB)	986	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Dibromomethane	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2-Dichlorobenzene	952	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,3-Dichlorobenzene	956	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,4-Dichlorobenzene	944	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Dichlorodifluoromethane	1230	50.0	100	ug/kg wet	50	1000	---	**123**	**80-120%**	---	---	Q-56
1,1-Dichloroethane	937	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
LCS (22H0080-BS1)			Prepared: 08/02/22 08:00 Analyzed: 08/02/22 12:10									
1,2-Dichloroethane (EDC)	987	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,1-Dichloroethene	966	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
cis-1,2-Dichloroethene	954	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
trans-1,2-Dichloroethene	986	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,2-Dichloropropane	978	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,3-Dichloropropane	973	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
2,2-Dichloropropane	942	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
1,1-Dichloropropene	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
cis-1,3-Dichloropropene	930	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
trans-1,3-Dichloropropene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Ethylbenzene	943	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Hexachlorobutadiene	922	50.0	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
2-Hexanone	1740	250	500	ug/kg wet	50	2000	---	87	80-120%	---	---	
Isopropylbenzene	983	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
4-Isopropyltoluene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Methylene chloride	1010	250	500	ug/kg wet	50	1000	---	101	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1660	250	500	ug/kg wet	50	2000	---	83	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	935	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Naphthalene	895	50.0	100	ug/kg wet	50	1000	---	90	80-120%	---	---	
n-Propylbenzene	971	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Styrene	930	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1130	12.5	25.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,1,2,2-Tetrachloroethane	972	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Tetrachloroethene (PCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Toluene	908	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
1,2,3-Trichlorobenzene	914	125	250	ug/kg wet	50	1000	---	91	80-120%	---	---	
1,2,4-Trichlorobenzene	870	125	250	ug/kg wet	50	1000	---	87	80-120%	---	---	
1,1,1-Trichloroethane	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,1,2-Trichloroethane	996	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Trichloroethene (TCE)	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Trichlorofluoromethane	1220	50.0	100	ug/kg wet	50	1000	---	**122**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	968	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2,4-Trimethylbenzene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,3,5-Trimethylbenzene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
LCS (22H0080-BS1)			Prepared: 08/02/22 08:00		Analyzed: 08/02/22 12:10							
Vinyl chloride	1280	12.5	25.0	ug/kg wet	50	1000	---	**128**	**80-120%**	---	---	Q-56
m,p-Xylene	1920	25.0	50.0	ug/kg wet	50	2000	---	96	80-120%	---	---	
o-Xylene	936	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*79-120 %*				*"*			
Duplicate (22H0080-DUP1)			Prepared: 08/01/22 09:29		Analyzed: 08/02/22 15:19							
QC Source Sample: Non-SDG (A2H0032-01)												
Acetone	ND	4070	4070	ug/kg dry	200	---	ND	---	---	---	30%	ICV-02
Acrylonitrile	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
Benzene	ND	20.3	40.7	ug/kg dry	200	---	ND	---	---	---	30%	
Bromobenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Bromochloromethane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Bromodichloromethane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Bromoform	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
Bromomethane	ND	2030	2030	ug/kg dry	200	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	2030	2030	ug/kg dry	200	---	ND	---	---	---	30%	ICV-02
n-Butylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Carbon disulfide	ND	1020	2030	ug/kg dry	200	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Chlorobenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Chloroethane	ND	2030	2030	ug/kg dry	200	---	ND	---	---	---	30%	
Chloroform	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Chloromethane	ND	509	1020	ug/kg dry	200	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Dibromochloromethane	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	509	1020	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Dibromomethane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Duplicate (22H0080-DUP1)			Prepared: 08/01/22 09:29 Analyzed: 08/02/22 15:19									
QC Source Sample: Non-SDG (A2H0032-01)												
1,3-Dichlorobenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Ethylbenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
2-Hexanone	ND	1020	2030	ug/kg dry	200	---	ND	---	---	---	30%	
Isopropylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Methylene chloride	ND	1020	2030	ug/kg dry	200	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	1020	2030	ug/kg dry	200	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
n-Propylbenzene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Styrene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Toluene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	509	1020	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	509	1020	ug/kg dry	200	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Duplicate (22H0080-DUP1)			Prepared: 08/01/22 09:29		Analyzed: 08/02/22 15:19							
QC Source Sample: Non-SDG (A2H0032-01)												
Trichloroethene (TCE)	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	203	407	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
Vinyl chloride	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
m,p-Xylene	ND	102	203	ug/kg dry	200	---	ND	---	---	---	30%	
o-Xylene	ND	50.9	102	ug/kg dry	200	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 109 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*97 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*		*"*					
Duplicate (22H0080-DUP2)			Prepared: 08/01/22 19:20		Analyzed: 08/02/22 21:37							**V-15**
QC Source Sample: Non-SDG (A2H0031-04)												
Acetone	ND	2610	2610	ug/kg dry	100	---	ND	---	---	---	30%	ICV-02
Acrylonitrile	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
Benzene	ND	13.1	26.1	ug/kg dry	100	---	ND	---	---	---	30%	
Bromobenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Bromochloromethane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Bromodichloromethane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Bromoform	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
Bromomethane	ND	1310	1310	ug/kg dry	100	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	1310	1310	ug/kg dry	100	---	ND	---	---	---	30%	ICV-02
n-Butylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon disulfide	ND	653	1310	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Chlorobenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroethane	ND	1310	1310	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroform	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Chloromethane	ND	327	653	ug/kg dry	100	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Duplicate (22H0080-DUP2)			Prepared: 08/01/22 19:20 Analyzed: 08/02/22 21:37									**V-15**
QC Source Sample: Non-SDG (A2H0031-04)												
4-Chlorotoluene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromochloromethane	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	327	653	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromomethane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Ethylbenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
2-Hexanone	ND	653	1310	ug/kg dry	100	---	ND	---	---	---	30%	
Isopropylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Methylene chloride	ND	653	1310	ug/kg dry	100	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	653	1310	ug/kg dry	100	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
n-Propylbenzene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Styrene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22H0080 - EPA 5035A							**Soil**					
Duplicate (22H0080-DUP2)			Prepared: 08/01/22 19:20 Analyzed: 08/02/22 21:37									**V-15**
QC Source Sample: Non-SDG (A2H0031-04)												
Tetrachloroethene (PCE)	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Toluene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	327	653	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	327	653	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	131	261	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
Vinyl chloride	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
m,p-Xylene	ND	65.3	131	ug/kg dry	100	---	ND	---	---	---	30%	
o-Xylene	ND	32.7	65.3	ug/kg dry	100	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*97 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*			*"*					
Matrix Spike (22H0080-MS1)			Prepared: 08/01/22 11:05 Analyzed: 08/02/22 23:52									
QC Source Sample: Non-SDG (A2H0014-02)												
5035A/8260D												
Acetone	15700	12400	12400	ug/kg dry	500	24700	ND	64	36-164%	---	---	ICV-02
Acrylonitrile	11100	618	1240	ug/kg dry	500	12400	ND	89	65-134%	---	---	
Benzene	13100	61.8	124	ug/kg dry	500	12400	ND	106	77-121%	---	---	
Bromobenzene	12600	155	309	ug/kg dry	500	12400	ND	102	78-121%	---	---	
Bromochloromethane	11000	309	618	ug/kg dry	500	12400	ND	89	78-125%	---	---	
Bromodichloromethane	14200	309	618	ug/kg dry	500	12400	ND	115	75-127%	---	---	
Bromoform	12300	618	1240	ug/kg dry	500	12400	ND	99	67-132%	---	---	
Bromomethane	19500	6180	6180	ug/kg dry	500	12400	ND	**158**	**53-143%**	---	---	ICV-01, Q-54b
2-Butanone (MEK)	16700	6180	6180	ug/kg dry	500	24700	ND	68	51-148%	---	---	ICV-02
n-Butylbenzene	13500	309	618	ug/kg dry	500	12400	ND	110	70-128%	---	---	
sec-Butylbenzene	14100	309	618	ug/kg dry	500	12400	ND	114	73-126%	---	---	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

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 22H0080 - EPA 5035A							**Soil**					
Matrix Spike (22H0080-MS1)			Prepared: 08/01/22 11:05		Analyzed: 08/02/22 23:52							
QC Source Sample: Non-SDG (A2H0014-02)												
tert-Butylbenzene	12700	309	618	ug/kg dry	500	12400	ND	103	73-125%	---	---	
Carbon disulfide	11000	3090	6180	ug/kg dry	500	12400	ND	89	63-132%	---	---	
Carbon tetrachloride	16200	309	618	ug/kg dry	500	12400	ND	131	70-135%	---	---	
Chlorobenzene	12900	155	309	ug/kg dry	500	12400	ND	104	79-120%	---	---	
Chloroethane	11000	6180	6180	ug/kg dry	500	12400	ND	89	59-139%	---	---	Q-54d
Chloroform	13100	309	618	ug/kg dry	500	12400	ND	106	78-123%	---	---	
Chloromethane	12900	1550	3090	ug/kg dry	500	12400	ND	104	50-136%	---	---	
2-Chlorotoluene	13200	309	618	ug/kg dry	500	12400	ND	107	75-122%	---	---	
4-Chlorotoluene	12400	309	618	ug/kg dry	500	12400	ND	100	72-124%	---	---	
Dibromochloromethane	12700	618	1240	ug/kg dry	500	12400	ND	103	74-126%	---	---	
1,2-Dibromo-3-chloropropane	10500	1550	3090	ug/kg dry	500	12400	ND	85	61-132%	---	---	
1,2-Dibromoethane (EDB)	13300	309	618	ug/kg dry	500	12400	ND	107	78-122%	---	---	
Dibromomethane	13000	309	618	ug/kg dry	500	12400	ND	105	78-125%	---	---	
1,2-Dichlorobenzene	12600	155	309	ug/kg dry	500	12400	ND	102	78-121%	---	---	
1,3-Dichlorobenzene	12700	155	309	ug/kg dry	500	12400	ND	103	77-121%	---	---	
1,4-Dichlorobenzene	12400	155	309	ug/kg dry	500	12400	ND	100	75-120%	---	---	
Dichlorodifluoromethane	18700	618	1240	ug/kg dry	500	12400	ND	**152**	**29-149%**	---	---	Q-54a
1,1-Dichloroethane	12000	155	309	ug/kg dry	500	12400	ND	97	76-125%	---	---	
1,2-Dichloroethane (EDC)	12200	155	309	ug/kg dry	500	12400	ND	98	73-128%	---	---	
1,1-Dichloroethene	12700	155	309	ug/kg dry	500	12400	ND	103	70-131%	---	---	
cis-1,2-Dichloroethene	12100	155	309	ug/kg dry	500	12400	ND	98	77-123%	---	---	
trans-1,2-Dichloroethene	12700	155	309	ug/kg dry	500	12400	ND	103	74-125%	---	---	
1,2-Dichloropropane	12600	155	309	ug/kg dry	500	12400	ND	102	76-123%	---	---	
1,3-Dichloropropane	12500	309	618	ug/kg dry	500	12400	ND	101	77-121%	---	---	
2,2-Dichloropropane	10400	309	618	ug/kg dry	500	12400	ND	84	67-133%	---	---	
1,1-Dichloropropene	14500	309	618	ug/kg dry	500	12400	ND	117	76-125%	---	---	
cis-1,3-Dichloropropene	12000	309	618	ug/kg dry	500	12400	ND	97	74-126%	---	---	
trans-1,3-Dichloropropene	12600	309	618	ug/kg dry	500	12400	ND	102	71-130%	---	---	
Ethylbenzene	12800	155	309	ug/kg dry	500	12400	ND	103	76-122%	---	---	
Hexachlorobutadiene	12700	618	1240	ug/kg dry	500	12400	ND	103	61-135%	---	---	
2-Hexanone	17000	3090	6180	ug/kg dry	500	24700	ND	69	53-145%	---	---	
Isopropylbenzene	13900	309	618	ug/kg dry	500	12400	ND	112	68-134%	---	---	
4-Isopropyltoluene	13700	309	618	ug/kg dry	500	12400	ND	111	73-127%	---	---	

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Darwin Thomas, Business Development Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

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 22H0080 - EPA 5035A							**Soil**					
Matrix Spike (22H0080-MS1)			Prepared: 08/01/22 11:05 Analyzed: 08/02/22 23:52									
QC Source Sample: Non-SDG (A2H0014-02)												
Methylene chloride	12300	3090	6180	ug/kg dry	500	12400	ND	100	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	18600	3090	6180	ug/kg dry	500	24700	ND	75	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	12100	309	618	ug/kg dry	500	12400	ND	98	73-125%	---	---	
Naphthalene	12200	618	1240	ug/kg dry	500	12400	ND	99	62-129%	---	---	
n-Propylbenzene	13100	155	309	ug/kg dry	500	12400	ND	106	73-125%	---	---	
Styrene	12900	309	618	ug/kg dry	500	12400	ND	105	76-124%	---	---	
1,1,1,2-Tetrachloroethane	15500	155	309	ug/kg dry	500	12400	ND	125	78-125%	---	---	
1,1,2,2-Tetrachloroethane	12400	309	618	ug/kg dry	500	12400	ND	100	70-124%	---	---	
Tetrachloroethene (PCE)	13800	155	309	ug/kg dry	500	12400	ND	112	73-128%	---	---	
Toluene	11900	309	618	ug/kg dry	500	12400	ND	96	77-121%	---	---	
1,2,3-Trichlorobenzene	12100	1550	3090	ug/kg dry	500	12400	ND	98	66-130%	---	---	
1,2,4-Trichlorobenzene	11700	1550	3090	ug/kg dry	500	12400	ND	95	67-129%	---	---	
1,1,1-Trichloroethane	14500	155	309	ug/kg dry	500	12400	ND	117	73-130%	---	---	
1,1,2-Trichloroethane	12900	155	309	ug/kg dry	500	12400	ND	104	78-121%	---	---	
Trichloroethene (TCE)	14300	155	309	ug/kg dry	500	12400	ND	116	77-123%	---	---	
Trichlorofluoromethane	17400	618	1240	ug/kg dry	500	12400	ND	**141**	**62-140%**	---	---	Q-54
1,2,3-Trichloropropane	12500	309	618	ug/kg dry	500	12400	ND	101	73-125%	---	---	
1,2,4-Trimethylbenzene	13900	309	618	ug/kg dry	500	12400	ND	113	75-123%	---	---	
1,3,5-Trimethylbenzene	13700	309	618	ug/kg dry	500	12400	ND	111	73-124%	---	---	
Vinyl chloride	17200	155	309	ug/kg dry	500	12400	ND	**139**	**56-135%**	---	---	Q-54c
m,p-Xylene	25600	309	618	ug/kg dry	500	24700	ND	104	77-124%	---	---	
o-Xylene	12800	155	309	ug/kg dry	500	12400	ND	103	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*79-120 %*			*"*				

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Blank (22H0086-BLK2)			Prepared: 08/02/22 11:18 Analyzed: 08/02/22 15:41									
EPA 8270E												
Acenaphthene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.87	3.75	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.87	3.75	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.87	3.75	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	2.50	5.00	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	2.50	5.00	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	2.50	5.00	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Carbazole	ND	1.87	3.75	ug/kg wet	1	---	---	---	---	---	---	
Dibenzofuran	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
2-Chlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
2-Methylphenol	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
2-Nitrophenol	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
4-Nitrophenol	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Phenol	ND	2.50	5.00	ug/kg wet	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: Gasco Data Gaps	
6720 SW Macadam Ave. Suite 125	Project Number: 000029-02.78(03.003D)	Report ID:
Portland, OR 97219	Project Manager: Ben Uhl	A2G0645 - 08 15 22 1808

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							Soil					
Blank (22H0086-BLK2)			Prepared: 08/02/22 11:18 Analyzed: 08/02/22 15:41									
2,3,5,6-Tetrachlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
Nitrobenzene	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	18.7	37.5	ug/kg wet	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Diethylphthalate	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Dimethylphthalate	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
Hexachloroethane	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	1.25	2.50	ug/kg wet	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Aniline	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
4-Chloroaniline	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
2-Nitroaniline	ND	25.0	50.0	ug/kg wet	1	---	---	---	---	---	---	
3-Nitroaniline	ND	25.0	50.0	ug/kg wet	1	---	---	---	---	---	---	
4-Nitroaniline	ND	25.0	50.0	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	12.5	25.0	ug/kg wet	1	---	---	---	---	---	---	
Benzoic acid	ND	157	312	ug/kg wet	1	---	---	---	---	---	---	
Benzyl alcohol	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
Isophorone	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Blank (22H0086-BLK2)			Prepared: 08/02/22 11:18 Analyzed: 08/02/22 15:41									
Azobenzene (1,2-DPH)	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
3,3'-Dichlorobenzidine	ND	25.0	50.0	ug/kg wet	1	---	---	---	---	---	---	Q-52
1,2-Dinitrobenzene	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	31.2	62.5	ug/kg wet	1	---	---	---	---	---	---	
Pyridine	ND	6.25	12.5	ug/kg wet	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	3.12	6.25	ug/kg wet	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 87 %*	*Limits: 37-122 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*74 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*71 %*	*33-122 %*			*"*					
p-Terphenyl-d14 (Surr)			*81 %*	*54-127 %*			*"*					
2-Fluorophenol (Surr)			*71 %*	*35-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*81 %*	*39-132 %*			*"*					
LCS (22H0086-BS2)			Prepared: 08/02/22 11:18 Analyzed: 08/02/22 16:15									
EPA 8270E												
Acenaphthene	445	5.32	10.7	ug/kg wet	4	533	---	83	40-123%	---	---	
Acenaphthylene	457	5.32	10.7	ug/kg wet	4	533	---	86	32-132%	---	---	
Anthracene	470	5.32	10.7	ug/kg wet	4	533	---	88	47-123%	---	---	
Benz(a)anthracene	479	5.32	10.7	ug/kg wet	4	533	---	90	49-126%	---	---	
Benzo(a)pyrene	496	8.00	16.0	ug/kg wet	4	533	---	93	45-129%	---	---	
Benzo(b)fluoranthene	487	8.00	16.0	ug/kg wet	4	533	---	91	45-132%	---	---	
Benzo(k)fluoranthene	489	8.00	16.0	ug/kg wet	4	533	---	92	47-132%	---	---	
Benzo(g,h,i)perylene	473	5.32	10.7	ug/kg wet	4	533	---	89	43-134%	---	---	
Chrysene	470	5.32	10.7	ug/kg wet	4	533	---	88	50-124%	---	---	
Dibenz(a,h)anthracene	476	5.32	10.7	ug/kg wet	4	533	---	89	45-134%	---	---	
Fluoranthene	473	5.32	10.7	ug/kg wet	4	533	---	89	50-127%	---	---	
Fluorene	419	5.32	10.7	ug/kg wet	4	533	---	78	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	474	5.32	10.7	ug/kg wet	4	533	---	89	45-133%	---	---	
1-Methylnaphthalene	444	10.7	21.3	ug/kg wet	4	533	---	83	40-120%	---	---	
2-Methylnaphthalene	454	10.7	21.3	ug/kg wet	4	533	---	85	38-122%	---	---	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
LCS (22H0086-BS2)			Prepared: 08/02/22 11:18		Analyzed: 08/02/22 16:15							
Naphthalene	429	10.7	21.3	ug/kg wet	4	533	---	80	35-123%	---	---	
Phenanthrene	454	5.32	10.7	ug/kg wet	4	533	---	85	50-121%	---	---	
Pyrene	477	5.32	10.7	ug/kg wet	4	533	---	90	47-127%	---	---	
Carbazole	465	8.00	16.0	ug/kg wet	4	533	---	87	50-123%	---	---	
Dibenzofuran	435	5.32	10.7	ug/kg wet	4	533	---	82	44-120%	---	---	
2-Chlorophenol	417	26.7	53.2	ug/kg wet	4	533	---	78	34-121%	---	---	
4-Chloro-3-methylphenol	454	53.2	107	ug/kg wet	4	533	---	85	45-122%	---	---	
2,4-Dichlorophenol	406	26.7	53.2	ug/kg wet	4	533	---	76	40-122%	---	---	
2,4-Dimethylphenol	467	26.7	53.2	ug/kg wet	4	533	---	88	30-127%	---	---	
2,4-Dinitrophenol	271	133	267	ug/kg wet	4	533	---	51	10-137%	---	---	
4,6-Dinitro-2-methylphenol	350	133	267	ug/kg wet	4	533	---	66	29-132%	---	---	
2-Methylphenol	441	13.3	26.7	ug/kg wet	4	533	---	83	32-122%	---	---	
3+4-Methylphenol(s)	463	13.3	26.7	ug/kg wet	4	533	---	87	34-120%	---	---	
2-Nitrophenol	485	53.2	107	ug/kg wet	4	533	---	91	36-123%	---	---	Q-41
4-Nitrophenol	394	53.2	107	ug/kg wet	4	533	---	74	30-132%	---	---	
Pentachlorophenol (PCP)	359	53.2	107	ug/kg wet	4	533	---	67	25-133%	---	---	
Phenol	395	10.7	21.3	ug/kg wet	4	533	---	74	34-121%	---	---	
2,3,4,6-Tetrachlorophenol	432	26.7	53.2	ug/kg wet	4	533	---	81	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	416	26.7	53.2	ug/kg wet	4	533	---	78	40-120%	---	---	
2,4,5-Trichlorophenol	431	26.7	53.2	ug/kg wet	4	533	---	81	41-124%	---	---	
Nitrobenzene	416	53.2	107	ug/kg wet	4	533	---	78	34-122%	---	---	
2,4,6-Trichlorophenol	412	26.7	53.2	ug/kg wet	4	533	---	77	39-126%	---	---	
Bis(2-ethylhexyl)phthalate	480	80.0	160	ug/kg wet	4	533	---	90	51-133%	---	---	
Butyl benzyl phthalate	482	53.2	107	ug/kg wet	4	533	---	90	48-132%	---	---	
Diethylphthalate	430	53.2	107	ug/kg wet	4	533	---	81	50-124%	---	---	
Dimethylphthalate	447	53.2	107	ug/kg wet	4	533	---	84	48-124%	---	---	
Di-n-butylphthalate	503	53.2	107	ug/kg wet	4	533	---	94	51-128%	---	---	
Di-n-octyl phthalate	509	53.2	107	ug/kg wet	4	533	---	96	45-140%	---	---	
N-Nitrosodimethylamine	407	13.3	26.7	ug/kg wet	4	533	---	76	23-120%	---	---	
N-Nitroso-di-n-propylamine	448	13.3	26.7	ug/kg wet	4	533	---	84	36-120%	---	---	
N-Nitrosodiphenylamine	468	13.3	26.7	ug/kg wet	4	533	---	88	38-127%	---	---	
Bis(2-Chloroethoxy) methane	445	13.3	26.7	ug/kg wet	4	533	---	83	36-121%	---	---	
Bis(2-Chloroethyl) ether	356	13.3	26.7	ug/kg wet	4	533	---	67	31-120%	---	---	
2,2'-Oxybis(1-Chloropropane)	446	13.3	26.7	ug/kg wet	4	533	---	84	39-120%	---	---	

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6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
LCS (22H0086-BS2)			Prepared: 08/02/22 11:18		Analyzed: 08/02/22 16:15							
Hexachlorobenzene	448	5.32	10.7	ug/kg wet	4	533	---	84	45-122%	---	---	
Hexachlorobutadiene	406	13.3	26.7	ug/kg wet	4	533	---	76	32-123%	---	---	
Hexachlorocyclopentadiene	223	26.7	53.2	ug/kg wet	4	533	---	42	10-140%	---	---	
Hexachloroethane	396	13.3	26.7	ug/kg wet	4	533	---	74	28-120%	---	---	
2-Chloronaphthalene	447	5.32	10.7	ug/kg wet	4	533	---	84	41-120%	---	---	
1,2,4-Trichlorobenzene	419	13.3	26.7	ug/kg wet	4	533	---	78	34-120%	---	---	
4-Bromophenyl phenyl ether	448	13.3	26.7	ug/kg wet	4	533	---	84	46-124%	---	---	
4-Chlorophenyl phenyl ether	431	13.3	26.7	ug/kg wet	4	533	---	81	45-121%	---	---	
Aniline	243	26.7	53.2	ug/kg wet	4	533	---	46	10-120%	---	---	
4-Chloroaniline	263	13.3	26.7	ug/kg wet	4	533	---	49	17-120%	---	---	
2-Nitroaniline	466	107	213	ug/kg wet	4	533	---	87	44-127%	---	---	
3-Nitroaniline	404	107	213	ug/kg wet	4	533	---	76	33-120%	---	---	
4-Nitroaniline	451	107	213	ug/kg wet	4	533	---	85	51-125%	---	---	
2,4-Dinitrotoluene	458	53.2	107	ug/kg wet	4	533	---	86	48-126%	---	---	
2,6-Dinitrotoluene	458	53.2	107	ug/kg wet	4	533	---	86	46-124%	---	---	
Benzoic acid	797	668	668	ug/kg wet	4	1070	---	75	10-140%	---	---	
Benzyl alcohol	397	26.7	53.2	ug/kg wet	4	533	---	74	29-122%	---	---	
Isophorone	419	13.3	26.7	ug/kg wet	4	533	---	79	30-122%	---	---	
Azobenzene (1,2-DPH)	490	13.3	26.7	ug/kg wet	4	533	---	92	39-125%	---	---	
Bis(2-Ethylhexyl) adipate	470	133	267	ug/kg wet	4	533	---	88	61-121%	---	---	
3,3'-Dichlorobenzidine	2450	107	213	ug/kg wet	4	1070	---	**230**	**22-121%**	---	---	Q-29
1,2-Dinitrobenzene	437	133	267	ug/kg wet	4	533	---	82	44-120%	---	---	
1,3-Dinitrobenzene	443	133	267	ug/kg wet	4	533	---	83	43-127%	---	---	
1,4-Dinitrobenzene	396	133	267	ug/kg wet	4	533	---	74	37-132%	---	---	
Pyridine	324	26.7	53.2	ug/kg wet	4	533	---	61	10-120%	---	---	
1,2-Dichlorobenzene	408	13.3	26.7	ug/kg wet	4	533	---	76	33-120%	---	---	
1,3-Dichlorobenzene	393	13.3	26.7	ug/kg wet	4	533	---	74	30-120%	---	---	
1,4-Dichlorobenzene	404	13.3	26.7	ug/kg wet	4	533	---	76	31-120%	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 79 %*	*Limits: 37-122 %*	*Dilution: 4x*	
2-Fluorobiphenyl (Surr)	*81 %*	*44-120 %*	*"*	
Phenol-d6 (Surr)	*75 %*	*33-122 %*	*"*	
p-Terphenyl-d14 (Surr)	*99 %*	*54-127 %*	*"*	
2-Fluorophenol (Surr)	*73 %*	*35-120 %*	*"*	
2,4,6-Tribromophenol (Surr)	*87 %*	*39-132 %*	*"*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Duplicate (22H0086-DUP3)			Prepared: 08/02/22 11:18		Analyzed: 08/03/22 11:17							
QC Source Sample: Non-SDG (A2G0778-01RE1)												
Acenaphthene	**63.4**	33.5	67.2	ug/kg dry	10	---	85.3	---	---	30	30%	J
Acenaphthylene	ND	33.5	67.2	ug/kg dry	10	---	ND	---	---	---	30%	
Anthracene	**98.8**	33.5	67.2	ug/kg dry	10	---	127	---	---	25	30%	
Benz(a)anthracene	**695**	33.5	67.2	ug/kg dry	10	---	898	---	---	26	30%	
Benzo(a)pyrene	**1200**	50.4	101	ug/kg dry	10	---	1530	---	---	24	30%	
Benzo(b)fluoranthene	**1340**	50.4	101	ug/kg dry	10	---	1680	---	---	22	30%	
Benzo(k)fluoranthene	**446**	50.4	101	ug/kg dry	10	---	616	---	---	**32**	**30%**	Q-04
Benzo(g,h,i)perylene	**962**	33.5	67.2	ug/kg dry	10	---	1160	---	---	19	30%	
Chrysene	**884**	33.5	67.2	ug/kg dry	10	---	1120	---	---	23	30%	
Dibenz(a,h)anthracene	**157**	33.5	67.2	ug/kg dry	10	---	201	---	---	25	30%	
Fluoranthene	**1240**	33.5	67.2	ug/kg dry	10	---	1550	---	---	22	30%	
Fluorene	ND	33.5	67.2	ug/kg dry	10	---	37.6	---	---	***	**30%**	Q-04
Indeno(1,2,3-cd)pyrene	**920**	33.5	67.2	ug/kg dry	10	---	1150	---	---	23	30%	
1-Methylnaphthalene	ND	67.2	134	ug/kg dry	10	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	67.2	134	ug/kg dry	10	---	ND	---	---	---	30%	
Naphthalene	ND	67.2	134	ug/kg dry	10	---	ND	---	---	---	30%	
Phenanthrene	**519**	33.5	67.2	ug/kg dry	10	---	651	---	---	22	30%	
Pyrene	**1360**	33.5	67.2	ug/kg dry	10	---	1630	---	---	18	30%	
Carbazole	**74.4**	50.4	101	ug/kg dry	10	---	91.1	---	---	20	30%	J
Dibenzofuran	ND	33.5	67.2	ug/kg dry	10	---	ND	---	---	---	30%	
2-Chlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
4-Chloro-3-methylphenol	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
2,4-Dichlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
2,4-Dimethylphenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
2,4-Dinitrophenol	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
4,6-Dinitro-2-methylphenol	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
2-Methylphenol	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
3+4-Methylphenol(s)	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
2-Nitrophenol	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
4-Nitrophenol	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Pentachlorophenol (PCP)	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Phenol	ND	67.2	134	ug/kg dry	10	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Duplicate (22H0086-DUP3)			Prepared: 08/02/22 11:18		Analyzed: 08/03/22 11:17							
QC Source Sample: Non-SDG (A2G0778-01RE1)												
2,3,4,6-Tetrachlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
2,3,5,6-Tetrachlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
2,4,5-Trichlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
Nitrobenzene	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
2,4,6-Trichlorophenol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
Bis(2-ethylhexyl)phthalate	ND	504	1010	ug/kg dry	10	---	ND	---	---	---	30%	
Butyl benzyl phthalate	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Diethylphthalate	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Dimethylphthalate	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Di-n-butylphthalate	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Di-n-octyl phthalate	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
N-Nitrosodimethylamine	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
N-Nitroso-di-n-propylamine	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
N-Nitrosodiphenylamine	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Bis(2-Chloroethoxy) methane	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Bis(2-Chloroethyl) ether	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
2,2'-Oxybis(1-Chloropropane)	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Hexachlorobenzene	ND	33.5	67.2	ug/kg dry	10	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Hexachlorocyclopentadiene	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
Hexachloroethane	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
2-Chloronaphthalene	ND	33.5	67.2	ug/kg dry	10	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
4-Bromophenyl phenyl ether	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
4-Chlorophenyl phenyl ether	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Aniline	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
4-Chloroaniline	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
2-Nitroaniline	ND	672	1340	ug/kg dry	10	---	ND	---	---	---	30%	
3-Nitroaniline	ND	672	1340	ug/kg dry	10	---	ND	---	---	---	30%	
4-Nitroaniline	ND	672	1340	ug/kg dry	10	---	ND	---	---	---	30%	
2,4-Dinitrotoluene	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
2,6-Dinitrotoluene	ND	335	672	ug/kg dry	10	---	ND	---	---	---	30%	
Benzoic acid	ND	4210	8390	ug/kg dry	10	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Duplicate (22H0086-DUP3)			Prepared: 08/02/22 11:18 Analyzed: 08/03/22 11:17									
QC Source Sample: Non-SDG (A2G0778-01RE1)												
Benzyl alcohol	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
Isophorone	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Azobenzene (1,2-DPH)	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Bis(2-Ethylhexyl) adipate	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
3,3'-Dichlorobenzidine	ND	672	1340	ug/kg dry	10	---	ND	---	---	---	30%	Q-52
1,2-Dinitrobenzene	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
1,3-Dinitrobenzene	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
1,4-Dinitrobenzene	ND	839	1680	ug/kg dry	10	---	ND	---	---	---	30%	
Pyridine	ND	168	335	ug/kg dry	10	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	83.9	168	ug/kg dry	10	---	ND	---	---	---	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 51 %*	*Limits: 37-122 %*			*Dilution: 10x*					
2-Fluorobiphenyl (Surr)			*48 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*38 %*	*33-122 %*			*"*					
p-Terphenyl-d14 (Surr)			*64 %*	*54-127 %*			*"*					
2-Fluorophenol (Surr)			*42 %*	*35-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*31 %*	*39-132 %*			*"*					S-03
Matrix Spike (22H0086-MS1)			Prepared: 08/02/22 11:18 Analyzed: 08/03/22 11:52									
QC Source Sample: Non-SDG (A2G0778-01RE1)												
EPA 8270E												
Acenaphthene	1700	34.6	69.5	ug/kg dry	10	555	85.3	**291**	**40-123%**	---	---	Q-01
Acenaphthylene	829	34.6	69.5	ug/kg dry	10	555	ND	**149**	**32-132%**	---	---	Q-01
Anthracene	2040	34.6	69.5	ug/kg dry	10	555	127	**345**	**47-123%**	---	---	Q-01
Benz(a)anthracene	9660	34.6	69.5	ug/kg dry	10	555	898	**1580**	**49-126%**	---	---	Q-03
Benzo(a)pyrene	15200	52.1	104	ug/kg dry	10	555	1530	**2470**	**45-129%**	---	---	Q-03
Benzo(b)fluoranthene	14300	52.1	104	ug/kg dry	10	555	1680	**2280**	**45-132%**	---	---	Q-03
Benzo(k)fluoranthene	4590	52.1	104	ug/kg dry	10	555	616	**715**	**47-132%**	---	---	Q-03
Benzo(g,h,i)perylene	12200	34.6	69.5	ug/kg dry	10	555	1160	**1980**	**43-134%**	---	---	Q-03
Chrysene	11700	34.6	69.5	ug/kg dry	10	555	1120	**1910**	**50-124%**	---	---	Q-03
Dibenz(a,h)anthracene	2270	34.6	69.5	ug/kg dry	10	555	201	**372**	**45-134%**	---	---	Q-01
Fluoranthene	13400	34.6	69.5	ug/kg dry	10	555	1550	**2130**	**50-127%**	---	---	Q-03

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Matrix Spike (22H0086-MS1)			Prepared: 08/02/22 11:18		Analyzed: 08/03/22 11:52							
QC Source Sample: Non-SDG (A2G0778-01RE1)												
Fluorene	934	34.6	69.5	ug/kg dry	10	555	37.6	**161**	**43-125%**	---	---	Q-01
Indeno(1,2,3-cd)pyrene	10900	34.6	69.5	ug/kg dry	10	555	1150	**1760**	**45-133%**	---	---	Q-03
1-Methylnaphthalene	567	69.5	139	ug/kg dry	10	555	ND	102	40-120%	---	---	
2-Methylnaphthalene	644	69.5	139	ug/kg dry	10	555	ND	116	38-122%	---	---	
Naphthalene	982	69.5	139	ug/kg dry	10	555	ND	**177**	**35-123%**	---	---	Q-01
Phenanthrene	8020	34.6	69.5	ug/kg dry	10	555	651	**1330**	**50-121%**	---	---	Q-03
Pyrene	15100	34.6	69.5	ug/kg dry	10	555	1630	**2430**	**47-127%**	---	---	Q-03
Carbazole	1370	52.1	104	ug/kg dry	10	555	91.1	**230**	**50-123%**	---	---	Q-01
Dibenzofuran	612	34.6	69.5	ug/kg dry	10	555	ND	110	44-120%	---	---	
2-Chlorophenol	395	174	346	ug/kg dry	10	555	ND	71	34-121%	---	---	
4-Chloro-3-methylphenol	ND	346	695	ug/kg dry	10	555	ND		**45-122%**	---	---	Q-01
2,4-Dichlorophenol	342	174	346	ug/kg dry	10	555	ND	62	40-122%	---	---	J
2,4-Dimethylphenol	325	174	346	ug/kg dry	10	555	ND	59	30-127%	---	---	J
2,4-Dinitrophenol	ND	867	1740	ug/kg dry	10	555	ND		**10-137%**	---	---	Q-11, Q-31
4,6-Dinitro-2-methylphenol	ND	867	1740	ug/kg dry	10	555	ND		**29-132%**	---	---	Q-11
2-Methylphenol	383	86.7	174	ug/kg dry	10	555	ND	69	32-122%	---	---	
3+4-Methylphenol(s)	362	86.7	174	ug/kg dry	10	555	ND	65	34-120%	---	---	
2-Nitrophenol	348	346	695	ug/kg dry	10	555	ND	63	36-123%	---	---	J
4-Nitrophenol	ND	346	695	ug/kg dry	10	555	ND		**30-132%**	---	---	Q-01
Pentachlorophenol (PCP)	428	346	695	ug/kg dry	10	555	ND	77	25-133%	---	---	J
Phenol	364	69.5	139	ug/kg dry	10	555	ND	65	34-121%	---	---	
2,3,4,6-Tetrachlorophenol	392	174	346	ug/kg dry	10	555	ND	71	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	365	174	346	ug/kg dry	10	555	ND	66	40-120%	---	---	
2,4,5-Trichlorophenol	425	174	346	ug/kg dry	10	555	ND	76	41-124%	---	---	
Nitrobenzene	427	346	695	ug/kg dry	10	555	ND	77	34-122%	---	---	J
2,4,6-Trichlorophenol	383	174	346	ug/kg dry	10	555	ND	69	39-126%	---	---	
Bis(2-ethylhexyl)phthalate	ND	521	1040	ug/kg dry	10	555	ND		**51-133%**	---	---	Q-01
Butyl benzyl phthalate	546	346	695	ug/kg dry	10	555	ND	98	48-132%	---	---	J
Diethylphthalate	427	346	695	ug/kg dry	10	555	ND	77	50-124%	---	---	J
Dimethylphthalate	427	346	695	ug/kg dry	10	555	ND	77	48-124%	---	---	J
Di-n-butylphthalate	460	346	695	ug/kg dry	10	555	ND	83	51-128%	---	---	J
Di-n-octyl phthalate	651	346	695	ug/kg dry	10	555	ND	117	45-140%	---	---	J
N-Nitrosodimethylamine	346	86.7	174	ug/kg dry	10	555	ND	62	23-120%	---	---	

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ORELAP ID: **OR100062**

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Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546							**Soil**					
Matrix Spike (22H0086-MS1)			Prepared: 08/02/22 11:18		Analyzed: 08/03/22 11:52							
QC Source Sample: Non-SDG (A2G0778-01RE1)												
N-Nitroso-di-n-propylamine	452	86.7	174	ug/kg dry	10	555	ND	81	36-120%	---	---	
N-Nitrosodiphenylamine	502	86.7	174	ug/kg dry	10	555	ND	90	38-127%	---	---	
Bis(2-Chloroethoxy) methane	425	86.7	174	ug/kg dry	10	555	ND	77	36-121%	---	---	
Bis(2-Chloroethyl) ether	344	86.7	174	ug/kg dry	10	555	ND	62	31-120%	---	---	
2,2'-Oxybis(1-Chloropropane)	472	86.7	174	ug/kg dry	10	555	ND	85	39-120%	---	---	
Hexachlorobenzene	450	34.6	69.5	ug/kg dry	10	555	ND	81	45-122%	---	---	
Hexachlorobutadiene	405	86.7	174	ug/kg dry	10	555	ND	73	32-123%	---	---	
Hexachlorocyclopentadiene	328	174	346	ug/kg dry	10	555	ND	59	10-140%	---	---	J
Hexachloroethane	390	86.7	174	ug/kg dry	10	555	ND	70	28-120%	---	---	
2-Chloronaphthalene	431	34.6	69.5	ug/kg dry	10	555	ND	78	41-120%	---	---	
1,2,4-Trichlorobenzene	425	86.7	174	ug/kg dry	10	555	ND	77	34-120%	---	---	
4-Bromophenyl phenyl ether	436	86.7	174	ug/kg dry	10	555	ND	78	46-124%	---	---	
4-Chlorophenyl phenyl ether	440	86.7	174	ug/kg dry	10	555	ND	79	45-121%	---	---	
Aniline	195	174	346	ug/kg dry	10	555	ND	35	10-120%	---	---	J
4-Chloroaniline	140	86.7	174	ug/kg dry	10	555	ND	25	17-120%	---	---	J
2-Nitroaniline	ND	695	1390	ug/kg dry	10	555	ND		**44-127%**	---	---	Q-11
3-Nitroaniline	ND	695	1390	ug/kg dry	10	555	ND		**33-120%**	---	---	Q-11
4-Nitroaniline	ND	695	1390	ug/kg dry	10	555	ND		**51-125%**	---	---	Q-11
2,4-Dinitrotoluene	372	346	695	ug/kg dry	10	555	ND	67	48-126%	---	---	J
2,6-Dinitrotoluene	373	346	695	ug/kg dry	10	555	ND	67	46-124%	---	---	J
Benzoic acid	ND	4350	8670	ug/kg dry	10	1110	ND		**10-140%**	---	---	Q-11
Benzyl alcohol	346	174	346	ug/kg dry	10	555	ND	62	29-122%	---	---	
Isophorone	389	86.7	174	ug/kg dry	10	555	ND	70	30-122%	---	---	
Azobenzene (1,2-DPH)	496	86.7	174	ug/kg dry	10	555	ND	89	39-125%	---	---	
Bis(2-Ethylhexyl) adipate	ND	867	1740	ug/kg dry	10	555	ND		**61-121%**	---	---	Q-11
3,3'-Dichlorobenzidine	903	695	1390	ug/kg dry	10	1110	ND	81	22-121%	---	---	J
1,2-Dinitrobenzene	ND	867	1740	ug/kg dry	10	555	ND		**44-120%**	---	---	Q-11
1,3-Dinitrobenzene	ND	867	1740	ug/kg dry	10	555	ND		**43-127%**	---	---	Q-11
1,4-Dinitrobenzene	ND	867	1740	ug/kg dry	10	555	ND		**37-132%**	---	---	Q-11
Pyridine	ND	174	346	ug/kg dry	10	555	ND		**10-120%**	---	---	Q-01
1,2-Dichlorobenzene	406	86.7	174	ug/kg dry	10	555	ND	73	33-120%	---	---	
1,3-Dichlorobenzene	381	86.7	174	ug/kg dry	10	555	ND	69	30-120%	---	---	
1,4-Dichlorobenzene	406	86.7	174	ug/kg dry	10	555	ND	73	31-120%	---	---	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0086 - EPA 3546												**Soil**
Matrix Spike (22H0086-MS1)					Prepared: 08/02/22 11:18		Analyzed: 08/03/22 11:52					
QC Source Sample: Non-SDG (A2G0778-01RE1)												
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 73 %*		*Limits: 37-122 %*		*Dilution: 10x*					
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*		*"*					
Phenol-d6 (Surr)			*74 %*		*33-122 %*		*"*					
p-Terphenyl-d14 (Surr)			*88 %*		*54-127 %*		*"*					
2-Fluorophenol (Surr)			*59 %*		*35-120 %*		*"*					
2,4,6-Tribromophenol (Surr)			*67 %*		*39-132 %*		*"*					

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Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22G1023 - EPA 3051A							**Soil**					
Blank (22G1023-BLK1)			Prepared: 07/29/22 13:12 Analyzed: 07/29/22 21:14									
EPA 6020B												
Arsenic	ND	0.481	0.962	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	0.481	0.962	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	0.0962	0.192	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	0.481	0.962	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	0.0962	0.192	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	0.0385	0.0769	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	0.481	0.962	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	0.0962	0.192	mg/kg wet	10	---	---	---	---	---	---	
LCS (22G1023-BS1)			Prepared: 07/29/22 13:12 Analyzed: 07/29/22 21:24									
EPA 6020B												
Arsenic	47.8	0.500	1.00	mg/kg wet	10	50.0	---	96	80-120%	---	---	
Barium	49.0	0.500	1.00	mg/kg wet	10	50.0	---	98	80-120%	---	---	
Cadmium	49.5	0.100	0.200	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Chromium	48.8	0.500	1.00	mg/kg wet	10	50.0	---	98	80-120%	---	---	
Lead	49.2	0.100	0.200	mg/kg wet	10	50.0	---	98	80-120%	---	---	
Mercury	0.960	0.0400	0.0800	mg/kg wet	10	1.00	---	96	80-120%	---	---	
Selenium	23.8	0.500	1.00	mg/kg wet	10	25.0	---	95	80-120%	---	---	
Silver	24.7	0.100	0.200	mg/kg wet	10	25.0	---	99	80-120%	---	---	
Duplicate (22G1023-DUP1)			Prepared: 07/29/22 13:12 Analyzed: 07/29/22 21:49									
QC Source Sample: Non-SDG (A2G0596-04)												
Arsenic	**5.49**	0.556	1.11	mg/kg dry	10	---	5.41	---	---	1	20%	PRO
Barium	**205**	0.556	1.11	mg/kg dry	10	---	210	---	---	3	20%	PRO
Cadmium	**0.355**	0.111	0.222	mg/kg dry	10	---	0.391	---	---	9	20%	PRO
Chromium	**37.5**	0.556	1.11	mg/kg dry	10	---	41.3	---	---	10	20%	PRO
Lead	**326**	0.111	0.222	mg/kg dry	10	---	321	---	---	2	20%	PRO
Mercury	**0.0904**	0.0444	0.0889	mg/kg dry	10	---	0.0863	---	---	5	20%	PRO
Selenium	ND	0.556	1.11	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Silver	**0.116**	0.111	0.222	mg/kg dry	10	---	0.115	---	---	0.6	20%	PRO,J
Matrix Spike (22G1023-MS1)			Prepared: 07/29/22 13:12 Analyzed: 07/29/22 21:53									

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6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

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 22G1023 - EPA 3051A							**Soil**					
Matrix Spike (22G1023-MS1)			Prepared: 07/29/22 13:12		Analyzed: 07/29/22 21:53							
QC Source Sample: Non-SDG (A2G0596-04)												
EPA 6020B												
Arsenic	53.3	0.512	1.02	mg/kg dry	10	51.2	5.41	94	75-125%	---	---	PRO
Barium	252	0.512	1.02	mg/kg dry	10	51.2	210	82	75-125%	---	---	PRO
Cadmium	50.9	0.102	0.205	mg/kg dry	10	51.2	0.391	99	75-125%	---	---	PRO
Chromium	80.0	0.512	1.02	mg/kg dry	10	51.2	41.3	76	75-125%	---	---	PRO
Lead	373	0.102	0.205	mg/kg dry	10	51.2	321	101	75-125%	---	---	PRO
Mercury	1.00	0.0410	0.0819	mg/kg dry	10	1.02	0.0863	89	75-125%	---	---	PRO
Selenium	23.3	0.512	1.02	mg/kg dry	10	25.6	ND	91	75-125%	---	---	PRO
Silver	24.9	0.102	0.205	mg/kg dry	10	25.6	0.115	97	75-125%	---	---	PRO

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ANALYTICAL REPORT

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Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by Flow Analysis (Non-Aqueous/Water Leach)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0830 - DI Leach							**Soil**					
Blank (22G0830-BLK1)			Prepared: 07/26/22 08:30		Analyzed: 07/26/22 16:49							
EPA 9013M/9012												
Total Cyanide	ND	0.100	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (22G0830-BS1)			Prepared: 07/26/22 08:30		Analyzed: 07/26/22 16:51							
EPA 9013M/9012												
Total Cyanide	4.24	0.100	0.100	mg/kg wet	1	4.00	---	106	76-120%	---	---	
Duplicate (22G0830-DUP2)			Prepared: 07/26/22 08:30		Analyzed: 07/26/22 17:17							
QC Source Sample: DG-IDW-072122-01 (A2G0645-01RE1)												
EPA 9013M/9012												
Total Cyanide	**28.2**	2.59	2.59	mg/kg dry	20	---	31.2	---	---	10	20%	Q-16
Matrix Spike (22G0830-MS2)			Prepared: 07/26/22 08:30		Analyzed: 07/26/22 17:19							
QC Source Sample: DG-IDW-072122-01 (A2G0645-01RE1)												
EPA 9013M/9012												
Total Cyanide	35.3	2.59	2.59	mg/kg dry	20	5.18	31.2	79	76-120%	---	---	Q-11, Q-16

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QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by Flow Analysis (Non-Aqueous/Water Leach)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22H0107 - DI Leach							**Soil**					
Blank (22H0107-BLK2)			Prepared: 08/02/22 14:58		Analyzed: 08/03/22 16:15							
EPA 9013M/9012												
Total Cyanide	ND	2.00	2.00	mg/kg wet	1	---	---	---	---	---	---	Q-16
LCS (22H0107-BS2)			Prepared: 08/02/22 14:58		Analyzed: 08/03/22 16:17							
EPA 9013M/9012												
Total Cyanide	5.45	2.00	2.00	mg/kg wet	1	4.00	---	**136**	**76-120%**	---	---	Q-16, Q-29
Duplicate (22H0107-DUP1)			Prepared: 08/02/22 14:58		Analyzed: 08/03/22 16:21							
QC Source Sample: DG-IDW-072222-DB559 (A2G0645-04RE4)												
EPA 9013M/9012												
Total Cyanide	ND	2.49	2.49	mg/kg dry	1	---	ND	---	---	---	20%	
Matrix Spike (22H0107-MS1)			Prepared: 08/02/22 14:58		Analyzed: 08/03/22 16:23							
QC Source Sample: DG-IDW-072222-DB559 (A2G0645-04RE4)												
EPA 9013M/9012												
Total Cyanide	5.14	2.49	2.49	mg/kg dry	1	4.98	ND	103	76-120%	---	---	Q-29

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0803 - Total Solids (SM2540G/PSEP)							**Soil**					
Duplicate (22G0803-DUP1)			Prepared: 07/25/22 15:35		Analyzed: 07/25/22 15:35							
QC Source Sample: Non-SDG (A2G0478-01)												
Total Solids	**41.0**	1.00	1.00	%	1	---	42.1	---	---	2.61	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0760 - DI Leach							**Soil**					
Duplicate (22G0760-DUP1)			Prepared: 07/22/22 17:27		Analyzed: 07/22/22 18:54							
QC Source Sample: DG-IDW-072222-02 (A2G0645-02)												
EPA 9045D												
Soil/Solid pH (measured in H2O)	**6.5**			pH Units	1	---	6.6	---	---	1	5%	pH_S
pH Temperature (deg C)	**20.9**			pH Units	1	---	21.0	---	---	0.5	30%	pH_S
Reference (22G0760-SRM1)			Prepared: 07/22/22 17:27		Analyzed: 07/22/22 18:40							
EPA 9045D												
Soil/Solid pH (measured in H2O)	5.9			pH Units	1	6.00		99	98-102%	---	---	
pH Temperature (deg C)	20.8			pH Units	1	20.0		104	50-200%	---	---	
Reference (22G0760-SRM2)			Prepared: 07/22/22 17:27		Analyzed: 07/22/22 19:02							
EPA 9045D												
Soil/Solid pH (measured in H2O)	8.0			pH Units	1	8.00		100	99-101%	---	---	
pH Temperature (deg C)	20.9			pH Units	1	20.0		104	50-200%	---	---	

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Portland, OR 97219	Project Manager:	Ben Uhl

Report ID:
A2G0645 - 08 15 22 1808

QUALITY CONTROL (QC) SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0903 - Flashpoint									Water			
LCS (22G0903-BS1)			Prepared: 07/27/22 11:00		Analyzed: 07/27/22 11:05							
EPA 1010M												
Flash Point (Ignitability)	141			degF	1	145	---	97	95-105%	---	---	
Duplicate (22G0903-DUP1)			Prepared: 07/27/22 11:00		Analyzed: 07/27/22 12:10							
QC Source Sample: Non-SDG (A2G0594-01)												
Flash Point (Ignitability)	**99.0**	70.0	70.0	degF	1	---	105	---	---	6	10%	
Duplicate (22G0903-DUP2)			Prepared: 07/27/22 11:00		Analyzed: 07/27/22 13:33							
QC Source Sample: Non-SDG (A2G0601-01)												
Flash Point (Ignitability)	**127**	70.0	70.0	degF	1	---	129	---	---	2	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0973 - Paint Filter							**Sediment**					
Duplicate (22G0973-DUP1)			Prepared: 07/28/22 15:45		Analyzed: 07/28/22 16:34							
QC Source Sample: Non-SDG (A2G0778-01)												
Free Liquid	ND	0.00	0.00	mL	1	---	ND	---	---	---	20%	

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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22H0141							
A2G0645-01RE1	Soil	NWTPH-Dx	07/21/22 14:30	08/03/22 12:46	10.16g/5mL	10g/5mL	0.98
A2G0645-02RE1	Soil	NWTPH-Dx	07/22/22 10:30	08/03/22 12:46	10.27g/5mL	10g/5mL	0.97
A2G0645-03RE1	Soil	NWTPH-Dx	07/22/22 10:50	08/03/22 12:46	10.62g/5mL	10g/5mL	0.94
A2G0645-04RE2	Soil	NWTPH-Dx	07/22/22 11:30	08/03/22 12:46	10.77g/5mL	10g/5mL	0.93

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

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22H0024							
A2G0645-01	Soil	NWTPH-Gx (MS)	07/21/22 14:30	07/21/22 14:30	5.89g/5mL	5g/5mL	0.85
A2G0645-02	Soil	NWTPH-Gx (MS)	07/22/22 10:30	07/22/22 10:30	7.11g/5mL	5g/5mL	0.70
A2G0645-03	Soil	NWTPH-Gx (MS)	07/22/22 10:50	07/22/22 10:50	5.96g/5mL	5g/5mL	0.84
Batch: 22H0080							
A2G0645-04RE1	Soil	NWTPH-Gx (MS)	07/22/22 11:30	07/22/22 11:30	6.91g/5mL	5g/5mL	0.72

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22H0024							
A2G0645-01	Soil	5035A/8260D	07/21/22 14:30	07/21/22 14:30	5.89g/5mL	5g/5mL	0.85
A2G0645-02	Soil	5035A/8260D	07/22/22 10:30	07/22/22 10:30	7.11g/5mL	5g/5mL	0.70
A2G0645-03	Soil	5035A/8260D	07/22/22 10:50	07/22/22 10:50	5.96g/5mL	5g/5mL	0.84
Batch: 22H0080							
A2G0645-03RE1	Soil	5035A/8260D	07/22/22 10:50	07/22/22 10:50	5.96g/5mL	5g/5mL	0.84
A2G0645-04RE1	Soil	5035A/8260D	07/22/22 11:30	07/22/22 11:30	6.91g/5mL	5g/5mL	0.72

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22H0086							
A2G0645-01	Soil	EPA 8270E	07/21/22 14:30	08/02/22 11:18	15.11g/5mL	15g/2mL	2.48
A2G0645-02	Soil	EPA 8270E	07/22/22 10:30	08/02/22 11:18	15.18g/5mL	15g/2mL	2.47

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SAMPLE PREPARATION INFORMATION

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A2G0645-03	Soil	EPA 8270E	07/22/22 10:50	08/02/22 11:18	15.32g/5mL	15g/2mL	2.45
A2G0645-04	Soil	EPA 8270E	07/22/22 11:30	08/02/22 11:18	15.69g/5mL	15g/2mL	2.39

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G1023							
A2G0645-01	Soil	EPA 6020B	07/21/22 14:30	07/29/22 13:12	0.519g/50mL	0.5g/50mL	0.96
A2G0645-02	Soil	EPA 6020B	07/22/22 10:30	07/29/22 13:12	0.459g/50mL	0.5g/50mL	1.09
A2G0645-03	Soil	EPA 6020B	07/22/22 10:50	07/29/22 13:12	0.512g/50mL	0.5g/50mL	0.98
A2G0645-04	Soil	EPA 6020B	07/22/22 11:30	07/29/22 13:12	0.471g/50mL	0.5g/50mL	1.06

Soluble Cyanide by Flow Analysis (Non-Aqueous/Water Leach)

Prep: DI Leach

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G0830							
A2G0645-01RE1	Soil	EPA 9013M/9012	07/21/22 14:30	07/26/22 08:30	2.5025g/50mL	2.5g/50mL	1.00
A2G0645-02RE1	Soil	EPA 9013M/9012	07/22/22 10:30	07/26/22 08:30	2.5075g/50mL	2.5g/50mL	1.00
A2G0645-03RE1	Soil	EPA 9013M/9012	07/22/22 10:50	07/26/22 08:30	2.51g/50mL	2.5g/50mL	1.00
Batch: 22H0107							
A2G0645-04RE4	Soil	EPA 9013M/9012	07/22/22 11:30	08/02/22 14:58	2.5091g/50mL	6g/6mL	19.90

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G0803							
A2G0645-01	Soil	SM 2540 G	07/21/22 14:30	07/25/22 15:35			NA
A2G0645-02	Soil	SM 2540 G	07/22/22 10:30	07/25/22 15:35			NA
A2G0645-03	Soil	SM 2540 G	07/22/22 10:50	07/25/22 15:35			NA
A2G0645-04	Soil	SM 2540 G	07/22/22 11:30	07/25/22 15:35			NA

Conventional Chemistry Parameters

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **Gasco Data Gaps**	
6720 SW Macadam Ave. Suite 125	Project Number: **000029-02.78(03.003D)**	**Report ID:**
Portland, OR 97219	Project Manager: **Ben Uhl**	**A2G0645 - 08 15 22 1808**

SAMPLE PREPARATION INFORMATION

Conventional Chemistry Parameters

Prep: DI Leach

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G0760							
A2G0645-01	Soil	EPA 9045D	07/21/22 14:30	07/22/22 17:27	20.0321g/20mL	20g/20mL	NA
A2G0645-02	Soil	EPA 9045D	07/22/22 10:30	07/22/22 17:27	20.5072g/20mL	20g/20mL	NA
A2G0645-03	Soil	EPA 9045D	07/22/22 10:50	07/22/22 17:27	20.3605g/20mL	20g/20mL	NA
A2G0645-04	Soil	EPA 9045D	07/22/22 11:30	07/22/22 17:27	20.3062g/20mL	20g/20mL	NA

Prep: Flashpoint

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G0903							
A2G0645-01	Soil	EPA 1010M	07/21/22 14:30	07/27/22 11:00			NA
A2G0645-02	Soil	EPA 1010M	07/22/22 10:30	07/27/22 11:00			NA
A2G0645-03	Soil	EPA 1010M	07/22/22 10:50	07/27/22 11:00			NA
A2G0645-04	Soil	EPA 1010M	07/22/22 11:30	07/27/22 11:00			NA

Prep: Paint Filter

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22G0973							
A2G0645-01	Soil	EPA 9095B	07/21/22 14:30	07/28/22 15:45			NA
A2G0645-02	Soil	EPA 9095B	07/22/22 10:30	07/28/22 15:45			NA
A2G0645-03	Soil	EPA 9095B	07/22/22 10:50	07/28/22 15:45			NA
A2G0645-04	Soil	EPA 9095B	07/22/22 11:30	07/28/22 15:45			NA

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QUALIFIER DEFINITIONS

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

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F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-17	No fuel pattern detected. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.
ICV-01	Estimated Result. Initial Calibration Verification (ICV) failed high. There is no effect on non-detect results.
ICV-02	Estimated Result. Initial Calibration Verification (ICV) failed low.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
pH_S	Method recommends preparation 'as soon as possible'. See Sample Preparation Information section of report for details. Consult regulator or permit manager to determine the usability of data for intended purpose.
PRO	Sample has undergone sample processing prior to extraction and analysis.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-11	Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
Q-16	Reanalysis of an original Batch QC sample.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
Q-52	Due to known erratic recoveries, the result and reporting levels for this analyte are reported as Estimated Values. This analyte may not have passed all QC requirements for this method.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +2%. The results are reported as Estimated Values.
Q-54a	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-54b	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.

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Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -2%. The results are reported as Estimated Values.
Q-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 -6%. 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
S-03	Sample re-extract, or the analysis of an associated Batch QC sample, confirms surrogate failure due to sample matrix effect.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
V-15	Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

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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'.

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).

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.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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.

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.

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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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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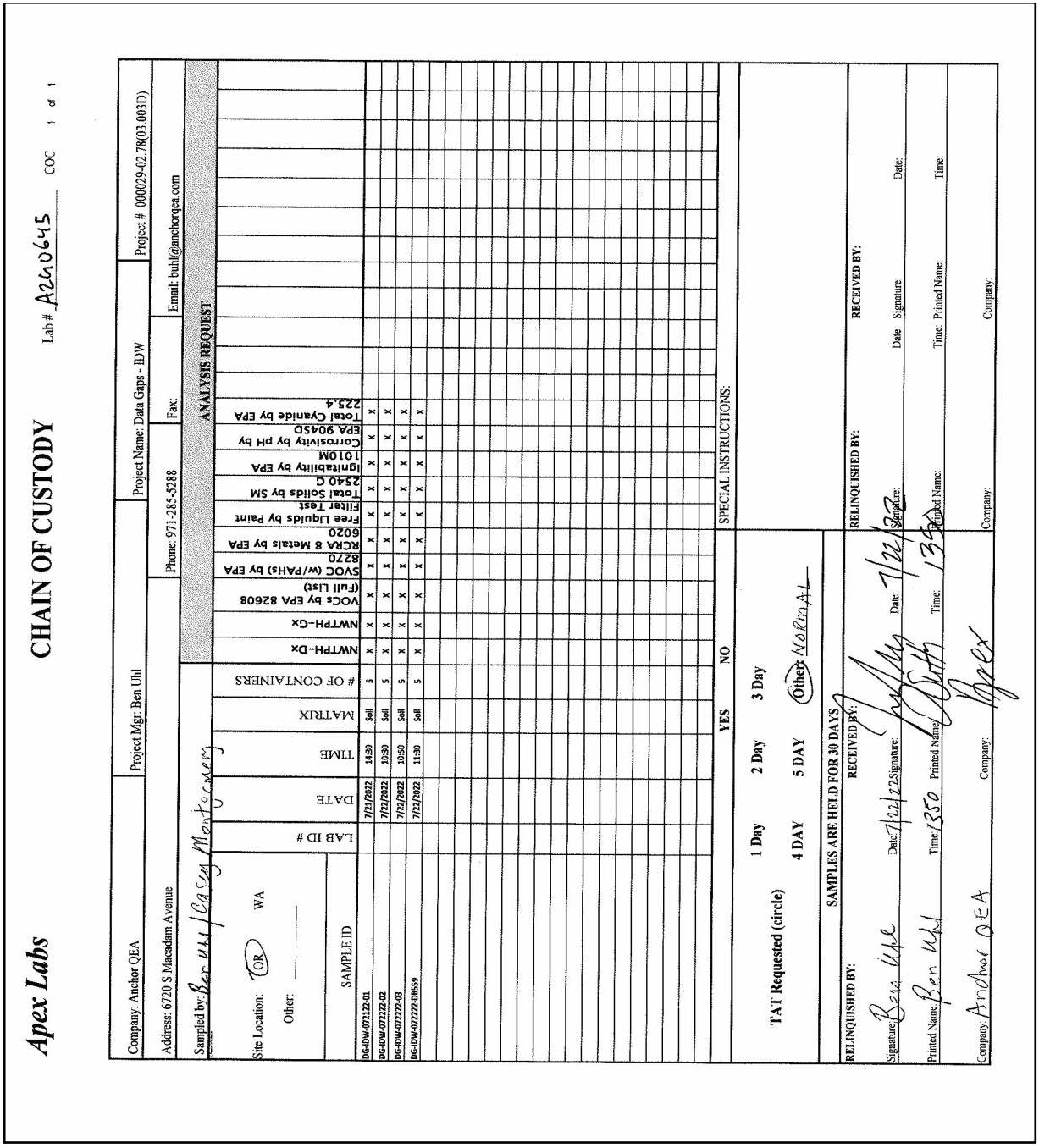

Apex Labs

CHAIN OF CUSTODY

Lab # A2G0645 COC 1 of 1

Company: Anchor QEA | Project Mgr: Ben Uhl | Project Name: Data Gaps - IDW | Project # 000029-02.78(03.003D)

Address: 6720 S Macadam Avenue | Phone: 971-285-5288 | Fax: | Email: buhl@anchorqea.com

Sampled by: Ben Uhl / Casey Montgomery

Site Location: OR WA

Other: _____

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-Dx	NWTPH-Gx	VOCs by EPA 8260B (Full List)	SVOC (w/PAHs) by EPA 8270	RCRA 8 Metals by EPA 6020	Filter Test Free Liquids by Paint	Total Solids by SM 2540 G	Ignitability by EPA 1010M	Corrosivity by pH by EPA 9045D	Total Cyanide by EPA 335.4
DS-IDW-072122-01		7/21/2022	14:30	Soil	5	X	X	X	X	X	X	X	X	X	X
DS-IDW-072222-02		7/22/2022	10:30	Soil	5	X	X	X	X	X	X	X	X	X	X
DS-IDW-072222-03		7/22/2022	10:50	Soil	5	X	X	X	X	X	X	X	X	X	X
DS-IDW-072222-DB559		7/22/2022	11:30	Soil	5	X	X	X	X	X	X	X	X	X	X

SPECIAL INSTRUCTIONS: YES NO

TAT Requested (circle)

1 Day 2 Day 3 Day

4 DAY 5 DAY Other Normal

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:

Signature: Ben Uhl Date: 7/22/22 Time: 1350

Printed Name: Ben Uhl Company: Anchor QEA

RECEIVED BY:

Signature: Date: 7/22/22 Time: 1350

Printed Name: Company: Apex

RELINQUISHED BY:

Signature: Date: Time:

Printed Name: Company:

RECEIVED BY:

Signature: Date: Time:

Printed Name: Company:

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APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A2 G0645

Project/Project #: Data Gaps - IDW 000029-02.78(03.003D)

Delivery Info:

Date/time received: 7/22/22 @ ~~7/22/22~~ 1350 By: ~~1350~~ JS 7/22/22

Delivered by: Apex___ Client X ESS___ FedEx___ UPS___ Swift___ Senvoy ___ SDS___ Other_____

Cooler Inspection Date/time inspected: 7/22/22 @ 1351 By: JS

Chain of Custody included? Yes X No _____ Custody seals? Yes_____ No X

Signed/dated by client? Yes X No _____

Signed/dated by Apex? Yes X No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.3						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Real						
Condition:	good						

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: 7-22-22 @ 1406 By: DSS

All samples intact? Yes X No ___ Comments:_____

Bottle labels/COCs agree? Yes X No ___ Comments: No time on 1/3 8oz jars for DG-IDW-072222-PB559.

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments_____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X

Comments: _____

Additional information: _____

Labeled by:	Witness:	Cooler Inspected by:
DSS	KAM	DSS

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