



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Saturday, December 3, 2022

Chip Byrd
Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

RE: A2K0621 - Gasco -- Filter Bags - 111323

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 A2K0621, which was received by the laboratory on 11/16/2022 at 9:40:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	3.3 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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF-111622-146	A2K0621-01	Solid	11/16/22 07:45	11/16/22 09:40

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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	
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0987			
Diesel	5200000	99800	200000	ug/kg	10	11/30/22 23:36	NWTPH-Dx	Q-42	
Oil	4220000	200000	399000	ug/kg	10	11/30/22 23:36	NWTPH-Dx	Q-42	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 50-150 %</i>		<i>10</i>	<i>11/30/22 23:36</i>	<i>NWTPH-Dx</i>	<i>S-05</i>

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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
BF-111622-146 (A2K0621-01RE1)				Matrix: Solid		Batch: 22K0775		V-15
Gasoline Range Organics	512000	59000	118000	ug/kg dry	50	11/21/22 13:37	NWTPH-Gx (MS)	
<i>Surrogate: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 119 %</i>		<i>Limits: 50-150 %</i>		1	11/21/22 13:37	NWTPH-Gx (MS)
<i>1,4-Difluorobenzene (Sur)</i>		<i>94 %</i>		<i>50-150 %</i>		1	11/21/22 13:37	NWTPH-Gx (MS)

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01RE1)				Matrix: Solid		Batch: 22K0775		V-15
Acetone	ND	23600	23600	ug/kg dry	50	11/21/22 13:37	5035A/8260D	Q-30
Acrylonitrile	ND	2360	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Benzene	ND	118	236	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Bromobenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Bromochloromethane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Bromodichloromethane	5670	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Bromoform	ND	1180	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Bromomethane	ND	11800	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
2-Butanone (MEK)	ND	11800	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
n-Butylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
sec-Butylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
tert-Butylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Carbon disulfide	ND	5900	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Carbon tetrachloride	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Chlorobenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Chloroethane	ND	5900	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Chloroform	33500	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Chloromethane	ND	2950	5900	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
2-Chlorotoluene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
4-Chlorotoluene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Dibromochloromethane	ND	1180	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	2950	5900	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Dibromomethane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2-Dichlorobenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,3-Dichlorobenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,4-Dichlorobenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Dichlorodifluoromethane	ND	2360	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	ICV-02
1,1-Dichloroethane	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1-Dichloroethene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
cis-1,2-Dichloroethene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
trans-1,2-Dichloroethene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01RE1)				Matrix: Solid		Batch: 22K0775		V-15
1,2-Dichloropropane	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,3-Dichloropropane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
2,2-Dichloropropane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1-Dichloropropene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
cis-1,3-Dichloropropene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
trans-1,3-Dichloropropene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Ethylbenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Hexachlorobutadiene	ND	1180	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
2-Hexanone	ND	11800	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Isopropylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
4-Isopropyltoluene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Methylene chloride	ND	5900	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	11800	11800	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Naphthalene	61600	1180	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
n-Propylbenzene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Styrene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Tetrachloroethene (PCE)	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Toluene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2,3-Trichlorobenzene	ND	2950	5900	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2,4-Trichlorobenzene	ND	2950	5900	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1,1-Trichloroethane	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,1,2-Trichloroethane	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Trichloroethene (TCE)	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Trichlorofluoromethane	ND	2360	2360	ug/kg dry	50	11/21/22 13:37	5035A/8260D	Q-52
1,2,3-Trichloropropane	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,2,4-Trimethylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
1,3,5-Trimethylbenzene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
Vinyl chloride	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
m,p-Xylene	ND	590	1180	ug/kg dry	50	11/21/22 13:37	5035A/8260D	
o-Xylene	ND	295	590	ug/kg dry	50	11/21/22 13:37	5035A/8260D	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01RE1)				Matrix: Solid		Batch: 22K0775		V-15
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/21/22 13:37</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>91 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/21/22 13:37</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/21/22 13:37</i>	<i>5035A/8260D</i>	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Regulated TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K1007		
Benzene	ND	6.25	12.5	ug/L	50	11/30/22 14:02	1311/8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	11/30/22 14:02	1311/8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	11/30/22 14:02	1311/8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
Chloroform	85.0	25.0	50.0	ug/L	50	11/30/22 14:02	1311/8260D	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
Vinyl chloride	ND	12.5	25.0	ug/L	50	11/30/22 14:02	1311/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 117 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/30/22 14:02</i>	<i>1311/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/30/22 14:02</i>	<i>1311/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/30/22 14:02</i>	<i>1311/8260D</i>

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0908		
Acenaphthene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Acenaphthylene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Anthracene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Benz(a)anthracene	ND	10500	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Benzo(a)pyrene	9680	7840	15700	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
Benzo(b)fluoranthene	13600	7840	15700	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
Benzo(k)fluoranthene	7910	7840	15700	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
Benzo(g,h,i)perylene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Chrysene	ND	23500	23500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	R-02
Dibenz(a,h)anthracene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Fluoranthene	81600	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Fluorene	114000	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1-Methylnaphthalene	16100	10500	20900	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
2-Methylnaphthalene	12900	10500	20900	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
Naphthalene	115000	10500	20900	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Phenanthrene	232000	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Pyrene	6390	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	J
Carbazole	144000	7840	15700	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Dibenzofuran	17100	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2-Chlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Chloro-3-methylphenol	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4-Dichlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4-Dimethylphenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4-Dinitrophenol	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2-Methylphenol	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
3+4-Methylphenol(s)	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2-Nitrophenol	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Nitrophenol	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Pentachlorophenol (PCP)	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Phenol	ND	10500	20900	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0908		
2,3,5,6-Tetrachlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4,5-Trichlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Nitrobenzene	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4,6-Trichlorophenol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	78400	157000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Butyl benzyl phthalate	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Diethylphthalate	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Dimethylphthalate	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Di-n-butylphthalate	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Di-n-octyl phthalate	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
N-Nitrosodimethylamine	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	26100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
N-Nitrosodiphenylamine	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Hexachlorobenzene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Hexachlorobutadiene	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Hexachlorocyclopentadiene	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Hexachloroethane	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2-Chloronaphthalene	ND	5210	10500	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,2,4-Trichlorobenzene	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Bromophenyl phenyl ether	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Aniline	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Chloroaniline	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2-Nitroaniline	ND	105000	209000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
3-Nitroaniline	ND	105000	209000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
4-Nitroaniline	ND	105000	209000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,4-Dinitrotoluene	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
2,6-Dinitrotoluene	ND	52100	105000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Benzoic acid	ND	655000	1310000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Benzyl alcohol	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0908		
Isophorone	ND	45900	45900	ug/kg dry	200	11/28/22 18:02	EPA 8270E	R-02
Azobenzene (1,2-DPH)	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
3,3'-Dichlorobenzidine	ND	105000	209000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,3-Dinitrobenzene	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,4-Dinitrobenzene	ND	131000	261000	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
Pyridine	ND	26100	52100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,2-Dichlorobenzene	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,3-Dichlorobenzene	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
1,4-Dichlorobenzene	ND	13100	26100	ug/kg dry	200	11/28/22 18:02	EPA 8270E	
<i>Surrogate: Nitrobenzene-d5 (Surr)</i>			<i>Recovery: 150 %</i>	<i>Limits: 37-122 %</i>	200	11/28/22 18:02	EPA 8270E	S-05
<i>2-Fluorobiphenyl (Surr)</i>			<i>69 %</i>	<i>44-120 %</i>	200	11/28/22 18:02	EPA 8270E	S-05
<i>Phenol-d6 (Surr)</i>			<i>9 %</i>	<i>33-122 %</i>	200	11/28/22 18:02	EPA 8270E	S-05
<i>p-Terphenyl-d14 (Surr)</i>			<i>89 %</i>	<i>54-127 %</i>	200	11/28/22 18:02	EPA 8270E	S-05
<i>2-Fluorophenol (Surr)</i>			<i>10 %</i>	<i>35-120 %</i>	200	11/28/22 18:02	EPA 8270E	S-05
<i>2,4,6-Tribromophenol (Surr)</i>			<i>114 %</i>	<i>39-132 %</i>	200	11/28/22 18:02	EPA 8270E	S-05

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid				
Batch: 22K0881								
Arsenic	90600	6600	13200	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Barium	257000	6600	13200	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Cadmium	ND	1320	2640	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Chromium	202000	6600	13200	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Lead	17300	1320	2640	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Mercury	ND	528	1060	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Selenium	ND	6600	13200	ug/kg dry	10	11/28/22 21:17	EPA 6020B	
Silver	ND	1320	2640	ug/kg dry	10	11/28/22 21:17	EPA 6020B	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

TCLP Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid				
Batch: 22K0878								
Arsenic	ND	50.0	100	ug/L	10	11/28/22 11:31	1311/6020B	
Barium	ND	2500	5000	ug/L	10	11/28/22 11:31	1311/6020B	
Cadmium	ND	50.0	100	ug/L	10	11/28/22 11:31	1311/6020B	
Chromium	ND	50.0	100	ug/L	10	11/28/22 11:31	1311/6020B	
Lead	ND	25.0	50.0	ug/L	10	11/28/22 11:31	1311/6020B	
Mercury	ND	3.75	7.00	ug/L	10	11/28/22 11:31	1311/6020B	
Selenium	ND	50.0	100	ug/L	10	11/28/22 11:31	1311/6020B	
Silver	ND	50.0	100	ug/L	10	11/28/22 11:31	1311/6020B	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0777		
Total Cyanide	17000	3310	6620	ug/kg dry	5	11/21/22 13:50	D7511-12	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0693		
% Solids	7.50	---	1.00	%	1	11/18/22 05:28	EPA 8000D	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

ANALYTICAL SAMPLE RESULTS

TCLP Extraction by EPA 1311

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
BF-111622-146 (A2K0621-01)				Matrix: Solid		Batch: 22K0795		
TCLP Extraction	PREP	---		N/A	1	11/22/22 14:00	EPA 1311	
TCLP ZHE Extraction	PREP	---		N/A	1	11/29/22 16:55	EPA 1311 ZHE	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0987 - EPA 3546 (Fuels)						Solid						
Blank (22K0987-BLK1)			Prepared: 11/30/22 07:44 Analyzed: 11/30/22 22:56									
<u>NWTPH-Dx</u>												
Diesel	ND	9090	18200	ug/kg	1	---	---	---	---	---	---	
Oil	ND	18200	36400	ug/kg	1	---	---	---	---	---	---	
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
LCS (22K0987-BS1)			Prepared: 11/30/22 07:44 Analyzed: 11/30/22 23:16									
<u>NWTPH-Dx</u>												
Diesel	119000	10000	20000	ug/kg	1	125000	---	95	38-132%	---	---	
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
Duplicate (22K0987-DUP1)			Prepared: 11/30/22 07:44 Analyzed: 11/30/22 23:57									
<u>QC Source Sample: BF-111622-146 (A2K0621-01)</u>												
<u>NWTPH-Dx</u>												
Diesel	1670000	99800	200000	ug/kg	10	---	5200000	---	---	103	30%	Q-04
Oil	1100000	200000	399000	ug/kg	10	---	4220000	---	---	117	30%	Q-04
<i>Surr: o-Terphenyl (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 10x</i>						S-05

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Blank (22K0725-BLK1)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 14:41									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	1670	3330	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 96 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>98 %</i>		<i>50-150 %</i>		<i>"</i>						
LCS (22K0725-BS2)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 12:53									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	20400	2500	5000	ug/kg wet	50	25000	---	81	80-120%	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 96 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>105 %</i>		<i>50-150 %</i>		<i>"</i>						
Duplicate (22K0725-DUP1)			Prepared: 11/08/22 12:35 Analyzed: 11/18/22 16:29									
<u>QC Source Sample: Non-SDG (A2K0385-02)</u>												
Gasoline Range Organics	16600	4670	9330	ug/kg dry	50	---	20600	---	---	22	30%	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 108 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>99 %</i>		<i>50-150 %</i>		<i>"</i>						

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Blank (22K0775-BLK1)			Prepared: 11/21/22 10:00 Analyzed: 11/21/22 12:46									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	1670	3330	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 108 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>92 %</i>		<i>50-150 %</i>		<i>"</i>						
LCS (22K0775-BS2)			Prepared: 11/21/22 10:00 Analyzed: 11/21/22 12:21									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	21300	2500	5000	ug/kg wet	50	25000	---	85	80-120%	---	---	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 106 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>92 %</i>		<i>50-150 %</i>		<i>"</i>						
Duplicate (22K0775-DUP1)			Prepared: 11/17/22 19:30 Analyzed: 11/21/22 15:19									V-15
<u>QC Source Sample: Non-SDG (A2K0693-01)</u>												
Gasoline Range Organics	39600	10200	20300	ug/kg dry	50	---	40100	---	---	1	30%	
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 110 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>93 %</i>		<i>50-150 %</i>		<i>"</i>						
Duplicate (22K0775-DUP2)			Prepared: 11/17/22 09:50 Analyzed: 11/21/22 17:01									
<u>QC Source Sample: Non-SDG (A2K0704-58)</u>												
Gasoline Range Organics	3600	2840	5670	ug/kg dry	50	---	4010	---	---	11	30%	J
<i>Surr: 4-Bromofluorobenzene (Sur)</i>		<i>Recovery: 105 %</i>		<i>Limits: 50-150 %</i>		<i>Dilution: 1x</i>						
<i>1,4-Difluorobenzene (Sur)</i>		<i>93 %</i>		<i>50-150 %</i>		<i>"</i>						

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Blank (22K0725-BLK1)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 14:41									
<u>5035A/8260D</u>												
Acetone	ND	333	667	ug/kg wet	50	---	---	---	---	---	---	
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	167	333	ug/kg wet	50	---	---	---	---	---	---	
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	---	---	---	---	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Blank (22K0725-BLK1)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 14:41									
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	66.7	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: 105 % Limits: 80-120 % Dilution: 1x

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Blank (22K0725-BLK1)						Prepared: 11/18/22 10:21 Analyzed: 11/18/22 14:41						
<i>Surr: Toluene-d8 (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>		<i>"</i>						
LCS (22K0725-BS1)						Prepared: 11/18/22 10:21 Analyzed: 11/18/22 13:47						
5035A/8260D												
Acetone	2070	500	1000	ug/kg wet	50	2000	---	104	80-120%	---	---	
Acrylonitrile	1020	50.0	100	ug/kg wet	50	1000	---	102	80-120%	---	---	
Benzene	972	5.00	10.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Bromobenzene	936	12.5	25.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Bromochloromethane	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Bromodichloromethane	1140	25.0	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
Bromoform	1340	50.0	100	ug/kg wet	50	1000	---	134	80-120%	---	---	Q-56
Bromomethane	1670	500	500	ug/kg wet	50	1000	---	167	80-120%	---	---	Q-56
2-Butanone (MEK)	1740	250	500	ug/kg wet	50	2000	---	87	80-120%	---	---	
n-Butylbenzene	836	25.0	50.0	ug/kg wet	50	1000	---	84	80-120%	---	---	
sec-Butylbenzene	848	25.0	50.0	ug/kg wet	50	1000	---	85	80-120%	---	---	
tert-Butylbenzene	796	25.0	50.0	ug/kg wet	50	1000	---	80	80-120%	---	---	
Carbon disulfide	1400	250	500	ug/kg wet	50	1000	---	140	80-120%	---	---	Q-56
Carbon tetrachloride	1260	25.0	50.0	ug/kg wet	50	1000	---	126	80-120%	---	---	Q-56
Chlorobenzene	964	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Chloroethane	1550	250	500	ug/kg wet	50	1000	---	155	80-120%	---	---	Q-56
Chloroform	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Chloromethane	1080	125	250	ug/kg wet	50	1000	---	108	80-120%	---	---	
2-Chlorotoluene	893	25.0	50.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
4-Chlorotoluene	862	25.0	50.0	ug/kg wet	50	1000	---	86	80-120%	---	---	
Dibromochloromethane	1160	50.0	100	ug/kg wet	50	1000	---	116	80-120%	---	---	
1,2-Dibromo-3-chloropropane	878	125	250	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,2-Dibromoethane (EDB)	972	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Dibromomethane	1110	25.0	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,2-Dichlorobenzene	950	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,3-Dichlorobenzene	964	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,4-Dichlorobenzene	952	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Dichlorodifluoromethane	1230	50.0	100	ug/kg wet	50	1000	---	123	80-120%	---	---	Q-56, ICV-01
1,1-Dichloroethane	1090	12.5	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
LCS (22K0725-BS1)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 13:47									
1,2-Dichloroethane (EDC)	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,1-Dichloroethene	1430	12.5	25.0	ug/kg wet	50	1000	---	143	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
trans-1,2-Dichloroethene	1150	12.5	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
1,2-Dichloropropane	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,3-Dichloropropane	952	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
2,2-Dichloropropane	1130	25.0	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,1-Dichloropropene	959	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
cis-1,3-Dichloropropene	962	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
trans-1,3-Dichloropropene	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Ethylbenzene	916	12.5	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Hexachlorobutadiene	986	50.0	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
2-Hexanone	1540	500	500	ug/kg wet	50	2000	---	77	80-120%	---	---	Q-55
Isopropylbenzene	869	25.0	50.0	ug/kg wet	50	1000	---	87	80-120%	---	---	
4-Isopropyltoluene	821	25.0	50.0	ug/kg wet	50	1000	---	82	80-120%	---	---	
Methylene chloride	1140	250	500	ug/kg wet	50	1000	---	114	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1610	250	500	ug/kg wet	50	2000	---	81	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Naphthalene	767	100	100	ug/kg wet	50	1000	---	77	80-120%	---	---	Q-55
n-Propylbenzene	834	12.5	25.0	ug/kg wet	50	1000	---	83	80-120%	---	---	
Styrene	896	25.0	50.0	ug/kg wet	50	1000	---	90	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	866	25.0	50.0	ug/kg wet	50	1000	---	87	80-120%	---	---	
Tetrachloroethene (PCE)	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Toluene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2,3-Trichlorobenzene	958	125	250	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2,4-Trichlorobenzene	894	125	250	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,1,1-Trichloroethane	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,1,2-Trichloroethane	993	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Trichloroethene (TCE)	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Trichlorofluoromethane	1410	50.0	100	ug/kg wet	50	1000	---	141	80-120%	---	---	Q-56
1,2,3-Trichloropropane	970	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2,4-Trimethylbenzene	896	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,3,5-Trimethylbenzene	895	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
LCS (22K0725-BS1)			Prepared: 11/18/22 10:21 Analyzed: 11/18/22 13:47									
Vinyl chloride	1340	12.5	25.0	ug/kg wet	50	1000	---	134	80-120%	---	---	Q-56
m,p-Xylene	1810	25.0	50.0	ug/kg wet	50	2000	---	91	80-120%	---	---	
o-Xylene	814	12.5	25.0	ug/kg wet	50	1000	---	81	80-120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>93 %</i>		<i>79-120 %</i>		<i>"</i>						

Duplicate (22K0725-DUP1)												
Prepared: 11/08/22 12:35 Analyzed: 11/18/22 16:29												
QC Source Sample: Non-SDG (A2K0385-02)												
Acetone	ND	933	1870	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	9.33	18.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	933	933	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	467	933	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	467	933	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	467	933	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	233	467	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	233	467	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Duplicate (22K0725-DUP1)			Prepared: 11/08/22 12:35 Analyzed: 11/18/22 16:29									
QC Source Sample: Non-SDG (A2K0385-02)												
1,3-Dichlorobenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	933	933	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	467	933	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	467	933	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	187	187	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	233	467	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	233	467	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Duplicate (22K0725-DUP1)			Prepared: 11/08/22 12:35 Analyzed: 11/18/22 16:29									
QC Source Sample: Non-SDG (A2K0385-02)												
Trichloroethene (TCE)	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	93.3	187	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	86.8	46.7	93.3	ug/kg dry	50	---	84.9	---	---	2	30%	J
1,3,5-Trimethylbenzene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	46.7	93.3	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	23.3	46.7	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>		<i>"</i>						

Matrix Spike (22K0725-MS1)			Prepared: 11/11/22 09:40 Analyzed: 11/18/22 20:59									
QC Source Sample: Non-SDG (A2K0532-35)												
5035A/8260D												
Acetone	4530	1040	2080	ug/kg dry	100	4160	ND	109	36-164%	---	---	
Acrylonitrile	2660	104	208	ug/kg dry	100	2080	ND	100	65-134%	---	---	
Benzene	2290	10.4	20.8	ug/kg dry	100	2080	134	104	77-121%	---	---	
Bromobenzene	2020	25.9	51.9	ug/kg dry	100	2080	ND	97	78-121%	---	---	
Bromochloromethane	2170	51.9	104	ug/kg dry	100	2080	ND	105	78-125%	---	---	
Bromodichloromethane	2380	51.9	104	ug/kg dry	100	2080	ND	114	75-127%	---	---	
Bromoform	2830	104	208	ug/kg dry	100	2080	ND	136	67-132%	---	---	Q-54
Bromomethane	3480	1040	1040	ug/kg dry	100	2080	ND	167	53-143%	---	---	Q-54f
2-Butanone (MEK)	4480	519	1040	ug/kg dry	100	4160	ND	94	51-148%	---	---	
n-Butylbenzene	2960	51.9	104	ug/kg dry	100	2080	394	123	70-128%	---	---	
sec-Butylbenzene	2210	51.9	104	ug/kg dry	100	2080	139	99	73-126%	---	---	
tert-Butylbenzene	1910	51.9	104	ug/kg dry	100	2080	ND	92	73-125%	---	---	
Carbon disulfide	2940	519	1040	ug/kg dry	100	2080	ND	141	63-132%	---	---	Q-54a
Carbon tetrachloride	2750	51.9	104	ug/kg dry	100	2080	ND	132	70-135%	---	---	Q-54h
Chlorobenzene	2070	25.9	51.9	ug/kg dry	100	2080	ND	100	79-120%	---	---	
Chloroethane	2510	519	1040	ug/kg dry	100	2080	ND	121	59-139%	---	---	Q-54e
Chloroform	2320	51.9	104	ug/kg dry	100	2080	ND	112	78-123%	---	---	
Chloromethane	2390	259	519	ug/kg dry	100	2080	ND	115	50-136%	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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
						Soil						
Batch 22K0725 - EPA 5035A												
Matrix Spike (22K0725-MS1)						Prepared: 11/11/22 09:40 Analyzed: 11/18/22 20:59						
QC Source Sample: Non-SDG (A2K0532-35)												
2-Chlorotoluene	2120	51.9	104	ug/kg dry	100	2080	ND	102	75-122%	---	---	
4-Chlorotoluene	1940	51.9	104	ug/kg dry	100	2080	ND	93	72-124%	---	---	
Dibromochloromethane	2410	104	208	ug/kg dry	100	2080	ND	116	74-126%	---	---	
1,2-Dibromo-3-chloropropane	2090	259	519	ug/kg dry	100	2080	ND	101	61-132%	---	---	
1,2-Dibromoethane (EDB)	2110	51.9	104	ug/kg dry	100	2080	ND	102	78-122%	---	---	
Dibromomethane	2340	51.9	104	ug/kg dry	100	2080	ND	113	78-125%	---	---	
1,2-Dichlorobenzene	2040	25.9	51.9	ug/kg dry	100	2080	ND	98	78-121%	---	---	
1,3-Dichlorobenzene	2120	25.9	51.9	ug/kg dry	100	2080	ND	102	77-121%	---	---	
1,4-Dichlorobenzene	2040	25.9	51.9	ug/kg dry	100	2080	ND	98	75-120%	---	---	
Dichlorodifluoromethane	2800	104	208	ug/kg dry	100	2080	ND	135	29-149%	---	---	ICV-01, Q-54d
1,1-Dichloroethane	2230	25.9	51.9	ug/kg dry	100	2080	ND	107	76-125%	---	---	
1,2-Dichloroethane (EDC)	2300	25.9	51.9	ug/kg dry	100	2080	ND	111	73-128%	---	---	
1,1-Dichloroethene	3080	25.9	51.9	ug/kg dry	100	2080	ND	148	70-131%	---	---	Q-54c
cis-1,2-Dichloroethene	2170	25.9	51.9	ug/kg dry	100	2080	ND	104	77-123%	---	---	
trans-1,2-Dichloroethene	2380	25.9	51.9	ug/kg dry	100	2080	ND	115	74-125%	---	---	
1,2-Dichloropropane	2190	25.9	51.9	ug/kg dry	100	2080	ND	105	76-123%	---	---	
1,3-Dichloropropane	2000	51.9	104	ug/kg dry	100	2080	ND	96	77-121%	---	---	
2,2-Dichloropropane	2230	51.9	104	ug/kg dry	100	2080	ND	108	67-133%	---	---	
1,1-Dichloropropene	2190	51.9	104	ug/kg dry	100	2080	ND	105	76-125%	---	---	
cis-1,3-Dichloropropene	1980	51.9	104	ug/kg dry	100	2080	ND	95	74-126%	---	---	
trans-1,3-Dichloropropene	2090	51.9	104	ug/kg dry	100	2080	ND	100	71-130%	---	---	
Ethylbenzene	5470	25.9	51.9	ug/kg dry	100	2080	3230	108	76-122%	---	---	
Hexachlorobutadiene	2370	104	208	ug/kg dry	100	2080	ND	114	61-135%	---	---	
2-Hexanone	3470	1040	1040	ug/kg dry	100	4160	ND	83	53-145%	---	---	Q-54i
Isopropylbenzene	2460	51.9	104	ug/kg dry	100	2080	324	103	68-134%	---	---	
4-Isopropyltoluene	2320	51.9	104	ug/kg dry	100	2080	ND	112	73-127%	---	---	
Methylene chloride	2280	519	1040	ug/kg dry	100	2080	ND	110	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	3540	519	1040	ug/kg dry	100	4160	ND	85	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	2000	51.9	104	ug/kg dry	100	2080	ND	96	73-125%	---	---	
Naphthalene	3100	208	208	ug/kg dry	100	2080	958	103	62-129%	---	---	Q-54i
n-Propylbenzene	3470	25.9	51.9	ug/kg dry	100	2080	1330	103	73-125%	---	---	
Styrene	2030	51.9	104	ug/kg dry	100	2080	ND	97	76-124%	---	---	
1,1,1,2-Tetrachloroethane	2390	25.9	51.9	ug/kg dry	100	2080	ND	115	78-125%	---	---	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0725 - EPA 5035A						Soil						
Matrix Spike (22K0725-MS1)			Prepared: 11/11/22 09:40 Analyzed: 11/18/22 20:59									
QC Source Sample: Non-SDG (A2K0532-35)												
1,1,2,2-Tetrachloroethane	1790	51.9	104	ug/kg dry	100	2080	ND	86	70-124%	---	---	
Tetrachloroethene (PCE)	2270	25.9	51.9	ug/kg dry	100	2080	ND	109	73-128%	---	---	
Toluene	6270	51.9	104	ug/kg dry	100	2080	4190	100	77-121%	---	---	
1,2,3-Trichlorobenzene	2140	259	519	ug/kg dry	100	2080	ND	103	66-130%	---	---	
1,2,4-Trichlorobenzene	2200	259	519	ug/kg dry	100	2080	ND	106	67-129%	---	---	
1,1,1-Trichloroethane	2460	25.9	51.9	ug/kg dry	100	2080	ND	118	73-130%	---	---	
1,1,2-Trichloroethane	2100	25.9	51.9	ug/kg dry	100	2080	ND	99	78-121%	---	---	
Trichloroethene (TCE)	2530	25.9	51.9	ug/kg dry	100	2080	ND	122	77-123%	---	---	
Trichlorofluoromethane	1730	104	208	ug/kg dry	100	2080	ND	83	62-140%	---	---	Q-54b
1,2,3-Trichloropropane	2040	51.9	104	ug/kg dry	100	2080	ND	98	73-125%	---	---	
1,2,4-Trimethylbenzene	11500	51.9	104	ug/kg dry	100	2080	8740	132	75-123%	---	---	Q-03
1,3,5-Trimethylbenzene	4860	51.9	104	ug/kg dry	100	2080	2490	114	73-124%	---	---	
Vinyl chloride	2960	25.9	51.9	ug/kg dry	100	2080	ND	142	56-135%	---	---	Q-54
m,p-Xylene	19700	51.9	104	ug/kg dry	100	4160	14900	114	77-124%	---	---	
o-Xylene	6850	25.9	51.9	ug/kg dry	100	2080	4590	109	77-123%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>79-120 %</i>		<i>"</i>						

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Blank (22K0775-BLK1)			Prepared: 11/21/22 10:00 Analyzed: 11/21/22 12:46									
<u>5035A/8260D</u>												
Acetone	ND	667	667	ug/kg wet	50	---	---	---	---	---	---	Q-30
Acrylonitrile	ND	66.7	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	---	---	---	---	---	---	
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	66.7	66.7	ug/kg wet	50	---	---	---	---	---	---	ICV-02
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	---	---	---	---	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Blank (22K0775-BLK1)			Prepared: 11/21/22 10:00 Analyzed: 11/21/22 12:46									
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	333	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	66.7	66.7	ug/kg wet	50	---	---	---	---	---	---	Q-52
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

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Blank (22K0775-BLK1)						Prepared: 11/21/22 10:00 Analyzed: 11/21/22 12:46						
<i>Surr: Toluene-d8 (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>106 %</i>		<i>79-120 %</i>		<i>"</i>						
LCS (22K0775-BS1)						Prepared: 11/21/22 10:00 Analyzed: 11/21/22 11:56						
5035A/8260D												
Acetone	1240	1000	1000	ug/kg wet	50	2000	---	62	80-120%	---	---	Q-30
Acrylonitrile	734	100	100	ug/kg wet	50	1000	---	73	80-120%	---	---	Q-55
Benzene	958	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Bromobenzene	972	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Bromochloromethane	816	25.0	50.0	ug/kg wet	50	1000	---	82	80-120%	---	---	
Bromodichloromethane	880	25.0	50.0	ug/kg wet	50	1000	---	88	80-120%	---	---	
Bromoform	1010	50.0	100	ug/kg wet	50	1000	---	101	80-120%	---	---	
Bromomethane	880	500	500	ug/kg wet	50	1000	---	88	80-120%	---	---	
2-Butanone (MEK)	1430	500	500	ug/kg wet	50	2000	---	72	80-120%	---	---	Q-55
n-Butylbenzene	922	25.0	50.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
sec-Butylbenzene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
tert-Butylbenzene	948	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Carbon disulfide	1120	250	500	ug/kg wet	50	1000	---	112	80-120%	---	---	
Carbon tetrachloride	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chlorobenzene	946	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chloroethane	804	250	500	ug/kg wet	50	1000	---	80	80-120%	---	---	
Chloroform	936	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Chloromethane	853	125	250	ug/kg wet	50	1000	---	85	80-120%	---	---	
2-Chlorotoluene	971	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
4-Chlorotoluene	949	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Dibromochloromethane	961	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2-Dibromo-3-chloropropane	802	125	250	ug/kg wet	50	1000	---	80	80-120%	---	---	
1,2-Dibromoethane (EDB)	982	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Dibromomethane	907	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
1,2-Dichlorobenzene	928	12.5	25.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,3-Dichlorobenzene	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,4-Dichlorobenzene	924	12.5	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Dichlorodifluoromethane	1200	100	100	ug/kg wet	50	1000	---	120	80-120%	---	---	ICV-02
1,1-Dichloroethane	912	12.5	25.0	ug/kg wet	50	1000	---	91	80-120%	---	---	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
LCS (22K0775-BS1)						Prepared: 11/21/22 10:00 Analyzed: 11/21/22 11:56						Q-50
1,2-Dichloroethane (EDC)	872	12.5	25.0	ug/kg wet	50	1000	---	87	80-120%	---	---	
1,1-Dichloroethene	1210	12.5	25.0	ug/kg wet	50	1000	---	121	80-120%	---	---	Q-56
cis-1,2-Dichloroethene	918	12.5	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
trans-1,2-Dichloroethene	892	12.5	25.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,2-Dichloropropane	897	12.5	25.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,3-Dichloropropane	900	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
2,2-Dichloropropane	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1-Dichloropropene	996	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
cis-1,3-Dichloropropene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
trans-1,3-Dichloropropene	889	25.0	50.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
Ethylbenzene	980	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Hexachlorobutadiene	974	50.0	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
2-Hexanone	1550	500	500	ug/kg wet	50	2000	---	78	80-120%	---	---	Q-55
Isopropylbenzene	951	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
4-Isopropyltoluene	915	25.0	50.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Methylene chloride	815	250	500	ug/kg wet	50	1000	---	82	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1580	500	500	ug/kg wet	50	2000	---	79	80-120%	---	---	Q-55
Methyl tert-butyl ether (MTBE)	989	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Naphthalene	872	50.0	100	ug/kg wet	50	1000	---	87	80-120%	---	---	
n-Propylbenzene	900	12.5	25.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Styrene	886	25.0	50.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,1,2,2-Tetrachloroethane	800	25.0	50.0	ug/kg wet	50	1000	---	80	80-120%	---	---	
Tetrachloroethene (PCE)	1120	12.5	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Toluene	949	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,2,3-Trichlorobenzene	980	125	250	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2,4-Trichlorobenzene	1010	125	250	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,1-Trichloroethane	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,1,2-Trichloroethane	919	12.5	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Trichloroethene (TCE)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichlorofluoromethane	148	100	100	ug/kg wet	50	1000	---	15	80-120%	---	---	Q-52
1,2,3-Trichloropropane	864	25.0	50.0	ug/kg wet	50	1000	---	86	80-120%	---	---	
1,2,4-Trimethylbenzene	904	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,3,5-Trimethylbenzene	981	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil							
LCS (22K0775-BS1)			Prepared: 11/21/22 10:00 Analyzed: 11/21/22 11:56						Q-50				
Vinyl chloride	968	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---		
m,p-Xylene	1840	25.0	50.0	ug/kg wet	50	2000	---	92	80-120%	---	---		
o-Xylene	927	12.5	25.0	ug/kg wet	50	1000	---	93	80-120%	---	---		
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>							
<i>Toluene-d8 (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>"</i>							
<i>4-Bromofluorobenzene (Surr)</i>		<i>105 %</i>		<i>79-120 %</i>		<i>"</i>							

Duplicate (22K0775-DUP1) Prepared: 11/17/22 19:30 Analyzed: 11/21/22 15:19 **V-15**

QC Source Sample: Non-SDG (A2K0693-01)												
Acetone	ND	4060	4060	ug/kg dry	50	---	ND	---	---	---	30%	Q-30
Acrylonitrile	ND	406	406	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	20.3	40.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	203	406	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	2030	2030	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	2030	2030	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	1020	2030	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	1020	2030	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	508	1020	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	203	406	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	508	1020	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil							
Duplicate (22K0775-DUP1)			Prepared: 11/17/22 19:30 Analyzed: 11/21/22 15:19						V-15				
QC Source Sample: Non-SDG (A2K0693-01)													
1,3-Dichlorobenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,4-Dichlorobenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
Dichlorodifluoromethane	ND	406	406	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02	
1,1-Dichloroethane	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,2-Dichloroethane (EDC)	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,1-Dichloroethene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
cis-1,2-Dichloroethene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
trans-1,2-Dichloroethene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,2-Dichloropropane	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,3-Dichloropropane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
2,2-Dichloropropane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
1,1-Dichloropropene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
cis-1,3-Dichloropropene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
trans-1,3-Dichloropropene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
Ethylbenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
Hexachlorobutadiene	ND	203	406	ug/kg dry	50	---	ND	---	---	---	30%		
2-Hexanone	ND	2030	2030	ug/kg dry	50	---	ND	---	---	---	30%		
Isopropylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
4-Isopropyltoluene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
Methylene chloride	ND	1020	2030	ug/kg dry	50	---	ND	---	---	---	30%		
4-Methyl-2-pentanone (MiBK)	ND	2030	2030	ug/kg dry	50	---	ND	---	---	---	30%		
Methyl tert-butyl ether (MTBE)	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
Naphthalene	11200	203	406	ug/kg dry	50	---	11600	---	---	4	30%		
n-Propylbenzene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
Styrene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
1,1,1,2-Tetrachloroethane	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,1,2,2-Tetrachloroethane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
Tetrachloroethene (PCE)	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
Toluene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
1,2,3-Trichlorobenzene	ND	508	1020	ug/kg dry	50	---	ND	---	---	---	30%		
1,2,4-Trichlorobenzene	ND	508	1020	ug/kg dry	50	---	ND	---	---	---	30%		
1,1,1-Trichloroethane	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
1,1,2-Trichloroethane	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil							
Duplicate (22K0775-DUP1)			Prepared: 11/17/22 19:30 Analyzed: 11/21/22 15:19						V-15				
QC Source Sample: Non-SDG (A2K0693-01)													
Trichloroethene (TCE)	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
Trichlorofluoromethane	ND	406	406	ug/kg dry	50	---	ND	---	---	---	30%	Q-52	
1,2,3-Trichloropropane	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
1,2,4-Trimethylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
1,3,5-Trimethylbenzene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
Vinyl chloride	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
m,p-Xylene	ND	102	203	ug/kg dry	50	---	ND	---	---	---	30%		
o-Xylene	ND	50.8	102	ug/kg dry	50	---	ND	---	---	---	30%		
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>							
<i>Toluene-d8 (Surr)</i>		<i>93 %</i>		<i>80-120 %</i>		<i>"</i>							
<i>4-Bromofluorobenzene (Surr)</i>		<i>103 %</i>		<i>79-120 %</i>		<i>"</i>							

Duplicate (22K0775-DUP2)			Prepared: 11/17/22 09:50 Analyzed: 11/21/22 17:01										
QC Source Sample: Non-SDG (A2K0704-58)													
Acetone	ND	1130	1130	ug/kg dry	50	---	ND	---	---	---	30%	Q-30	
Acrylonitrile	ND	113	113	ug/kg dry	50	---	ND	---	---	---	30%		
Benzene	582	5.67	11.3	ug/kg dry	50	---	609	---	---	5	30%		
Bromobenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%		
Bromochloromethane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
Bromodichloromethane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
Bromoform	ND	56.7	113	ug/kg dry	50	---	ND	---	---	---	30%		
Bromomethane	ND	567	567	ug/kg dry	50	---	ND	---	---	---	30%		
2-Butanone (MEK)	ND	567	567	ug/kg dry	50	---	ND	---	---	---	30%		
n-Butylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
sec-Butylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
tert-Butylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
Carbon disulfide	ND	284	567	ug/kg dry	50	---	ND	---	---	---	30%		
Carbon tetrachloride	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
Chlorobenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%		
Chloroethane	ND	284	567	ug/kg dry	50	---	ND	---	---	---	30%		
Chloroform	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		
Chloromethane	ND	142	284	ug/kg dry	50	---	ND	---	---	---	30%		
2-Chlorotoluene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%		

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Duplicate (22K0775-DUP2)			Prepared: 11/17/22 09:50 Analyzed: 11/21/22 17:01									
QC Source Sample: Non-SDG (A2K0704-58)												
4-Chlorotoluene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	56.7	113	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	142	284	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	113	113	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02
1,1-Dichloroethane	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	44.3	14.2	28.4	ug/kg dry	50	---	45.4	---	---	3	30%	
Hexachlorobutadiene	ND	56.7	113	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	56.7	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	56.7	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	56.7	113	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0775 - EPA 5035A						Soil						
Duplicate (22K0775-DUP2)			Prepared: 11/17/22 09:50 Analyzed: 11/21/22 17:01									
QC Source Sample: Non-SDG (A2K0704-58)												
Tetrachloroethene (PCE)	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	56.2	28.4	56.7	ug/kg dry	50	---	59.0	---	---	5	30%	J
1,2,3-Trichlorobenzene	ND	142	284	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	142	284	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	113	113	ug/kg dry	50	---	ND	---	---	---	30%	Q-52
1,2,3-Trichloropropane	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	28.4	56.7	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	46.5	28.4	56.7	ug/kg dry	50	---	47.7	---	---	2	30%	J
o-Xylene	ND	14.2	28.4	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>94 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>106 %</i>		<i>79-120 %</i>		<i>"</i>						

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Regulated TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 22K1007 - EPA 1311/5030B TCLP Volatiles						Water							
Blank (22K1007-BLK1)			Prepared: 11/30/22 10:50 Analyzed: 11/30/22 12:58						TCLPa				
<u>1311/8260D</u>													
Benzene	ND	6.25	12.5	ug/L	50	---	---	---	---	---	---		
2-Butanone (MEK)	ND	250	500	ug/L	50	---	---	---	---	---	---		
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---		
Chlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
Chloroform	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---		
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
Vinyl chloride	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---		
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 118 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>							
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>"</i>							
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>"</i>							
<hr/>													
LCS (22K1007-BS1)			Prepared: 11/30/22 10:50 Analyzed: 11/30/22 12:15						TCLPa				
<u>1311/8260D</u>													
Benzene	1250	6.25	12.5	ug/L	50	1000	---	125	80-120%	---	---	Q-56	
2-Butanone (MEK)	1840	250	500	ug/L	50	2000	---	92	80-120%	---	---		
Carbon tetrachloride	1130	25.0	50.0	ug/L	50	1000	---	113	80-120%	---	---		
Chlorobenzene	1030	12.5	25.0	ug/L	50	1000	---	103	80-120%	---	---		
Chloroform	1090	25.0	50.0	ug/L	50	1000	---	109	80-120%	---	---		
1,4-Dichlorobenzene	1010	12.5	25.0	ug/L	50	1000	---	101	80-120%	---	---		
1,1-Dichloroethene	1230	12.5	25.0	ug/L	50	1000	---	123	80-120%	---	---	Q-56	
1,2-Dichloroethane (EDC)	898	12.5	25.0	ug/L	50	1000	---	90	80-120%	---	---		
Tetrachloroethene (PCE)	1070	12.5	25.0	ug/L	50	1000	---	107	80-120%	---	---		
Trichloroethene (TCE)	1180	12.5	25.0	ug/L	50	1000	---	118	80-120%	---	---		
Vinyl chloride	1250	12.5	25.0	ug/L	50	1000	---	125	80-120%	---	---	Q-56	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>							
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>							
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>"</i>							
<hr/>													
Duplicate (22K1007-DUP1)			Prepared: 11/30/22 10:50 Analyzed: 11/30/22 13:41						H-10				

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Regulated TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K1007 - EPA 1311/5030B TCLP Volatiles						Water						
Duplicate (22K1007-DUP1)						Prepared: 11/30/22 10:50 Analyzed: 11/30/22 13:41						H-10
QC Source Sample: Non-SDG (A2K0620-01)												
Benzene	ND	6.25	12.5	ug/L	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	250	500	ug/L	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Chloroform	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 117 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						

Matrix Spike (22K1007-MS1)						Prepared: 11/30/22 10:50 Analyzed: 11/30/22 14:24						
QC Source Sample: BF-111622-146 (A2K0621-01)												
1311/8260D												
Benzene	1240	6.25	12.5	ug/L	50	1000	ND	124	79-120%	---	---	Q-54g
2-Butanone (MEK)	2090	250	500	ug/L	50	2000	ND	104	56-143%	---	---	
Carbon tetrachloride	1120	25.0	50.0	ug/L	50	1000	ND	112	72-136%	---	---	
Chlorobenzene	1020	12.5	25.0	ug/L	50	1000	ND	102	80-120%	---	---	
Chloroform	1160	25.0	50.0	ug/L	50	1000	85.0	107	79-124%	---	---	
1,4-Dichlorobenzene	1000	12.5	25.0	ug/L	50	1000	ND	100	79-120%	---	---	
1,1-Dichloroethene	1200	12.5	25.0	ug/L	50	1000	ND	120	71-131%	---	---	Q-54d
1,2-Dichloroethane (EDC)	920	12.5	25.0	ug/L	50	1000	ND	92	73-128%	---	---	
Tetrachloroethene (PCE)	1060	12.5	25.0	ug/L	50	1000	ND	106	74-129%	---	---	
Trichloroethene (TCE)	1170	12.5	25.0	ug/L	50	1000	ND	117	79-123%	---	---	
Vinyl chloride	1170	12.5	25.0	ug/L	50	1000	ND	117	58-137%	---	---	Q-54g
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>"</i>						

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Blank (22K0908-BLK1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 15:43									
<u>EPA 8270E</u>												
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	---	---	---	---	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Blank (22K0908-BLK1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 15:43									
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	---	---	---	---	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Blank (22K0908-BLK1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 15:43									
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	---	---	---	---	---	---	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 37-122 %</i>		<i>Dilution: 1x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>93 %</i>		<i>44-120 %</i>		<i>"</i>						
<i>Phenol-d6 (Surr)</i>		<i>107 %</i>		<i>33-122 %</i>		<i>"</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>109 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2-Fluorophenol (Surr)</i>		<i>104 %</i>		<i>35-120 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>77 %</i>		<i>39-132 %</i>		<i>"</i>						

LCS (22K0908-BS1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 16:18									
EPA 8270E												
Acenaphthene	501	2.66	5.34	ug/kg wet	2	533	---	94	40-123%	---	---	
Acenaphthylene	535	2.66	5.34	ug/kg wet	2	533	---	100	32-132%	---	---	
Anthracene	539	2.66	5.34	ug/kg wet	2	533	---	101	47-123%	---	---	
Benz(a)anthracene	545	2.66	5.34	ug/kg wet	2	533	---	102	49-126%	---	---	
Benzo(a)pyrene	534	4.00	8.00	ug/kg wet	2	533	---	100	45-129%	---	---	
Benzo(b)fluoranthene	532	4.00	8.00	ug/kg wet	2	533	---	100	45-132%	---	---	
Benzo(k)fluoranthene	521	4.00	8.00	ug/kg wet	2	533	---	98	47-132%	---	---	
Benzo(g,h,i)perylene	537	2.66	5.34	ug/kg wet	2	533	---	101	43-134%	---	---	
Chrysene	534	2.66	5.34	ug/kg wet	2	533	---	100	50-124%	---	---	
Dibenz(a,h)anthracene	544	2.66	5.34	ug/kg wet	2	533	---	102	45-134%	---	---	
Fluoranthene	538	2.66	5.34	ug/kg wet	2	533	---	101	50-127%	---	---	
Fluorene	518	2.66	5.34	ug/kg wet	2	533	---	97	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	533	2.66	5.34	ug/kg wet	2	533	---	100	45-133%	---	---	
1-Methylnaphthalene	499	5.34	10.7	ug/kg wet	2	533	---	94	40-120%	---	---	
2-Methylnaphthalene	501	5.34	10.7	ug/kg wet	2	533	---	94	38-122%	---	---	

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
LCS (22K0908-BS1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 16:18									
Naphthalene	499	5.34	10.7	ug/kg wet	2	533	---	94	35-123%	---	---	
Phenanthrene	501	2.66	5.34	ug/kg wet	2	533	---	94	50-121%	---	---	
Pyrene	535	2.66	5.34	ug/kg wet	2	533	---	100	47-127%	---	---	
Carbazole	533	4.00	8.00	ug/kg wet	2	533	---	100	50-123%	---	---	
Dibenzofuran	505	2.66	5.34	ug/kg wet	2	533	---	95	44-120%	---	---	
2-Chlorophenol	535	13.3	26.6	ug/kg wet	2	533	---	100	34-121%	---	---	
4-Chloro-3-methylphenol	565	26.6	53.4	ug/kg wet	2	533	---	106	45-122%	---	---	
2,4-Dichlorophenol	518	13.3	26.6	ug/kg wet	2	533	---	97	40-122%	---	---	
2,4-Dimethylphenol	570	13.3	26.6	ug/kg wet	2	533	---	107	30-127%	---	---	
2,4-Dinitrophenol	505	66.6	133	ug/kg wet	2	533	---	95	10-137%	---	---	
4,6-Dinitro-2-methylphenol	541	66.6	133	ug/kg wet	2	533	---	102	29-132%	---	---	
2-Methylphenol	559	6.66	13.3	ug/kg wet	2	533	---	105	32-122%	---	---	
3+4-Methylphenol(s)	578	6.66	13.3	ug/kg wet	2	533	---	108	34-120%	---	---	
2-Nitrophenol	508	26.6	53.4	ug/kg wet	2	533	---	95	36-123%	---	---	
4-Nitrophenol	475	26.6	53.4	ug/kg wet	2	533	---	89	30-132%	---	---	
Pentachlorophenol (PCP)	442	26.6	53.4	ug/kg wet	2	533	---	83	25-133%	---	---	
Phenol	583	5.34	10.7	ug/kg wet	2	533	---	109	34-121%	---	---	
2,3,4,6-Tetrachlorophenol	525	13.3	26.6	ug/kg wet	2	533	---	99	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	493	13.3	26.6	ug/kg wet	2	533	---	92	40-120%	---	---	
2,4,5-Trichlorophenol	521	13.3	26.6	ug/kg wet	2	533	---	98	41-124%	---	---	
Nitrobenzene	570	26.6	53.4	ug/kg wet	2	533	---	107	34-122%	---	---	
2,4,6-Trichlorophenol	523	13.3	26.6	ug/kg wet	2	533	---	98	39-126%	---	---	
Bis(2-ethylhexyl)phthalate	570	40.0	80.0	ug/kg wet	2	533	---	107	51-133%	---	---	
Butyl benzyl phthalate	591	26.6	53.4	ug/kg wet	2	533	---	111	48-132%	---	---	
Diethylphthalate	541	26.6	53.4	ug/kg wet	2	533	---	101	50-124%	---	---	
Dimethylphthalate	517	26.6	53.4	ug/kg wet	2	533	---	97	48-124%	---	---	
Di-n-butylphthalate	589	26.6	53.4	ug/kg wet	2	533	---	111	51-128%	---	---	
Di-n-octyl phthalate	590	26.6	53.4	ug/kg wet	2	533	---	111	45-140%	---	---	
N-Nitrosodimethylamine	565	6.66	13.3	ug/kg wet	2	533	---	106	23-120%	---	---	
N-Nitroso-di-n-propylamine	595	6.66	13.3	ug/kg wet	2	533	---	112	36-120%	---	---	Q-41
N-Nitrosodiphenylamine	552	6.66	13.3	ug/kg wet	2	533	---	104	38-127%	---	---	
Bis(2-Chloroethoxy) methane	553	6.66	13.3	ug/kg wet	2	533	---	104	36-121%	---	---	
Bis(2-Chloroethyl) ether	568	6.66	13.3	ug/kg wet	2	533	---	106	31-120%	---	---	Q-41
2,2'-Oxybis(1-Chloropropane)	647	6.66	13.3	ug/kg wet	2	533	---	121	39-120%	---	---	Q-29, Q-41

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
LCS (22K0908-BS1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 16:18									
Hexachlorobenzene	479	2.66	5.34	ug/kg wet	2	533	---	90	45-122%	---	---	
Hexachlorobutadiene	460	6.66	13.3	ug/kg wet	2	533	---	86	32-123%	---	---	
Hexachlorocyclopentadiene	473	13.3	26.6	ug/kg wet	2	533	---	89	10-140%	---	---	
Hexachloroethane	497	6.66	13.3	ug/kg wet	2	533	---	93	28-120%	---	---	
2-Chloronaphthalene	505	2.66	5.34	ug/kg wet	2	533	---	95	41-120%	---	---	
1,2,4-Trichlorobenzene	485	6.66	13.3	ug/kg wet	2	533	---	91	34-120%	---	---	
4-Bromophenyl phenyl ether	505	6.66	13.3	ug/kg wet	2	533	---	95	46-124%	---	---	
4-Chlorophenyl phenyl ether	499	6.66	13.3	ug/kg wet	2	533	---	93	45-121%	---	---	
Aniline	306	13.3	26.6	ug/kg wet	2	533	---	57	10-120%	---	---	
4-Chloroaniline	247	6.66	13.3	ug/kg wet	2	533	---	46	17-120%	---	---	
2-Nitroaniline	535	53.4	107	ug/kg wet	2	533	---	100	44-127%	---	---	
3-Nitroaniline	491	53.4	107	ug/kg wet	2	533	---	92	33-120%	---	---	
4-Nitroaniline	497	53.4	107	ug/kg wet	2	533	---	93	51-125%	---	---	
2,4-Dinitrotoluene	557	26.6	53.4	ug/kg wet	2	533	---	104	48-126%	---	---	
2,6-Dinitrotoluene	533	26.6	53.4	ug/kg wet	2	533	---	100	46-124%	---	---	
Benzoic acid	885	334	666	ug/kg wet	2	1070	---	83	10-140%	---	---	
Benzyl alcohol	547	13.3	26.6	ug/kg wet	2	533	---	103	29-122%	---	---	
Isophorone	587	6.66	13.3	ug/kg wet	2	533	---	110	30-122%	---	---	
Azobenzene (1,2-DPH)	634	6.66	13.3	ug/kg wet	2	533	---	119	39-125%	---	---	Q-41
Bis(2-Ethylhexyl) adipate	583	66.6	133	ug/kg wet	2	533	---	109	61-121%	---	---	
3,3'-Dichlorobenzidine	2760	53.4	107	ug/kg wet	2	1070	---	258	22-121%	---	---	Q-29, Q-41
1,2-Dinitrobenzene	525	66.6	133	ug/kg wet	2	533	---	98	44-120%	---	---	
1,3-Dinitrobenzene	512	66.6	133	ug/kg wet	2	533	---	96	43-127%	---	---	
1,4-Dinitrobenzene	526	66.6	133	ug/kg wet	2	533	---	99	37-132%	---	---	
Pyridine	465	13.3	26.6	ug/kg wet	2	533	---	87	10-120%	---	---	
1,2-Dichlorobenzene	469	6.66	13.3	ug/kg wet	2	533	---	88	33-120%	---	---	
1,3-Dichlorobenzene	465	6.66	13.3	ug/kg wet	2	533	---	87	30-120%	---	---	
1,4-Dichlorobenzene	467	6.66	13.3	ug/kg wet	2	533	---	88	31-120%	---	---	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 112 %</i>		<i>Limits: 37-122 %</i>		<i>Dilution: 2x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>97 %</i>		<i>44-120 %</i>		<i>"</i>						
<i>Phenol-d6 (Surr)</i>		<i>115 %</i>		<i>33-122 %</i>		<i>"</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>109 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2-Fluorophenol (Surr)</i>		<i>108 %</i>		<i>35-120 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>104 %</i>		<i>39-132 %</i>		<i>"</i>						

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Duplicate (22K0908-DUP1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 17:27									
QC Source Sample: Non-SDG (A2K0620-01)												
Acenaphthene	11600	1300	2600	ug/kg dry	200	---	9680	---	---	18	30%	
Acenaphthylene	2850	1300	2600	ug/kg dry	200	---	2450	---	---	15	30%	
Anthracene	25700	1300	2600	ug/kg dry	200	---	21300	---	---	19	30%	
Benz(a)anthracene	22100	1300	2600	ug/kg dry	200	---	18100	---	---	20	30%	
Benzo(a)pyrene	27900	1950	3890	ug/kg dry	200	---	22300	---	---	22	30%	
Benzo(b)fluoranthene	22300	1950	3890	ug/kg dry	200	---	17500	---	---	24	30%	
Benzo(k)fluoranthene	8460	1950	3890	ug/kg dry	200	---	7180	---	---	16	30%	M-05
Benzo(g,h,i)perylene	16500	1300	2600	ug/kg dry	200	---	13100	---	---	23	30%	
Chrysene	29200	1300	2600	ug/kg dry	200	---	23000	---	---	24	30%	
Dibenz(a,h)anthracene	1860	1300	2600	ug/kg dry	200	---	1580	---	---	16	30%	J
Fluoranthene	78800	1300	2600	ug/kg dry	200	---	64100	---	---	21	30%	
Fluorene	10300	1300	2600	ug/kg dry	200	---	8560	---	---	18	30%	
Indeno(1,2,3-cd)pyrene	15900	1300	2600	ug/kg dry	200	---	13000	---	---	20	30%	
1-Methylnaphthalene	ND	2600	5190	ug/kg dry	200	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	2600	5190	ug/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	ND	2600	5190	ug/kg dry	200	---	ND	---	---	---	30%	
Phenanthrene	90700	1300	2600	ug/kg dry	200	---	73500	---	---	21	30%	
Pyrene	90400	1300	2600	ug/kg dry	200	---	74200	---	---	20	30%	
Carbazole	ND	1950	3890	ug/kg dry	200	---	ND	---	---	---	30%	
Dibenzofuran	ND	1300	2600	ug/kg dry	200	---	ND	---	---	---	30%	
2-Chlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
4-Chloro-3-methylphenol	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
2,4-Dichlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
2,4-Dimethylphenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
2,4-Dinitrophenol	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
4,6-Dinitro-2-methylphenol	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
2-Methylphenol	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
3+4-Methylphenol(s)	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
2-Nitrophenol	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
4-Nitrophenol	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Pentachlorophenol (PCP)	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Phenol	ND	2600	5190	ug/kg dry	200	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Duplicate (22K0908-DUP1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 17:27									
QC Source Sample: Non-SDG (A2K0620-01)												
2,3,4,6-Tetrachlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
2,3,5,6-Tetrachlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
2,4,5-Trichlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
Nitrobenzene	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
2,4,6-Trichlorophenol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
Bis(2-ethylhexyl)phthalate	ND	19500	38900	ug/kg dry	200	---	ND	---	---	---	30%	
Butyl benzyl phthalate	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Diethylphthalate	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Dimethylphthalate	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Di-n-butylphthalate	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Di-n-octyl phthalate	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
N-Nitrosodimethylamine	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
N-Nitroso-di-n-propylamine	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
N-Nitrosodiphenylamine	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Bis(2-Chloroethoxy) methane	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Bis(2-Chloroethyl) ether	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
2,2'-Oxybis(1-Chloropropane)	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Hexachlorobenzene	ND	1300	2600	ug/kg dry	200	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Hexachlorocyclopentadiene	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
Hexachloroethane	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
2-Chloronaphthalene	ND	1300	2600	ug/kg dry	200	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
4-Bromophenyl phenyl ether	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
4-Chlorophenyl phenyl ether	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Aniline	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
4-Chloroaniline	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
2-Nitroaniline	ND	26000	51900	ug/kg dry	200	---	ND	---	---	---	30%	
3-Nitroaniline	ND	26000	51900	ug/kg dry	200	---	ND	---	---	---	30%	
4-Nitroaniline	ND	26000	51900	ug/kg dry	200	---	ND	---	---	---	30%	
2,4-Dinitrotoluene	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
2,6-Dinitrotoluene	ND	13000	26000	ug/kg dry	200	---	ND	---	---	---	30%	
Benzoic acid	ND	163000	324000	ug/kg dry	200	---	ND	---	---	---	30%	

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0908 - EPA 3546						Solid						
Duplicate (22K0908-DUP1)			Prepared: 11/28/22 05:50 Analyzed: 11/28/22 17:27									
QC Source Sample: Non-SDG (A2K0620-01)												
Benzyl alcohol	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
Isophorone	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Azobenzene (1,2-DPH)	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
Bis(2-Ethylhexyl) adipate	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
3,3'-Dichlorobenzidine	ND	26000	51900	ug/kg dry	200	---	ND	---	---	---	30%	Q-52
1,2-Dinitrobenzene	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
1,3-Dinitrobenzene	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
1,4-Dinitrobenzene	ND	32400	64900	ug/kg dry	200	---	ND	---	---	---	30%	
Pyridine	ND	6490	13000	ug/kg dry	200	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	3240	6490	ug/kg dry	200	---	ND	---	---	---	30%	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 37-122 %</i>		<i>Dilution: 200x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>87 %</i>		<i>44-120 %</i>		<i>"</i>		<i>S-05</i>				
<i>Phenol-d6 (Surr)</i>		<i>53 %</i>		<i>33-122 %</i>		<i>"</i>		<i>S-05</i>				
<i>p-Terphenyl-d14 (Surr)</i>		<i>107 %</i>		<i>54-127 %</i>		<i>"</i>		<i>S-05</i>				
<i>2-Fluorophenol (Surr)</i>		<i>61 %</i>		<i>35-120 %</i>		<i>"</i>		<i>S-05</i>				
<i>2,4,6-Tribromophenol (Surr)</i>		<i>116 %</i>		<i>39-132 %</i>		<i>"</i>		<i>S-05</i>				

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0881 - EPA 3051A						Solid						
Blank (22K0881-BLK1)			Prepared: 11/23/22 09:43 Analyzed: 11/28/22 20:51									
<u>EPA 6020B</u>												
Arsenic	ND	481	962	ug/kg wet	10	---	---	---	---	---	---	
Barium	ND	481	962	ug/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	96.2	192	ug/kg wet	10	---	---	---	---	---	---	
Chromium	ND	481	962	ug/kg wet	10	---	---	---	---	---	---	
Lead	ND	96.2	192	ug/kg wet	10	---	---	---	---	---	---	
Mercury	ND	38.5	76.9	ug/kg wet	10	---	---	---	---	---	---	
Selenium	ND	481	962	ug/kg wet	10	---	---	---	---	---	---	
Silver	ND	96.2	192	ug/kg wet	10	---	---	---	---	---	---	
<hr/>												
LCS (22K0881-BS1)			Prepared: 11/23/22 09:43 Analyzed: 11/28/22 20:56									
<u>EPA 6020B</u>												
Arsenic	48700	500	1000	ug/kg wet	10	50000	---	97	80-120%	---	---	
Barium	49200	500	1000	ug/kg wet	10	50000	---	98	80-120%	---	---	
Cadmium	48300	100	200	ug/kg wet	10	50000	---	97	80-120%	---	---	
Chromium	50400	500	1000	ug/kg wet	10	50000	---	101	80-120%	---	---	
Lead	51900	100	200	ug/kg wet	10	50000	---	104	80-120%	---	---	
Mercury	1010	40.0	80.0	ug/kg wet	10	1000	---	101	80-120%	---	---	
Selenium	22900	500	1000	ug/kg wet	10	25000	---	92	80-120%	---	---	
Silver	26700	100	200	ug/kg wet	10	25000	---	107	80-120%	---	---	
<hr/>												
Duplicate (22K0881-DUP1)			Prepared: 11/23/22 09:43 Analyzed: 11/28/22 21:07									
<u>QC Source Sample: Non-SDG (A2K0620-01)</u>												
Arsenic	8360	1850	3700	ug/kg dry	10	---	8460	---	---	1	20%	
Barium	190000	1850	3700	ug/kg dry	10	---	192000	---	---	0.6	20%	
Cadmium	ND	370	740	ug/kg dry	10	---	ND	---	---	---	20%	
Chromium	ND	1850	3700	ug/kg dry	10	---	ND	---	---	---	20%	
Lead	955	370	740	ug/kg dry	10	---	934	---	---	2	20%	
Mercury	ND	148	296	ug/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	1850	3700	ug/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	370	740	ug/kg dry	10	---	ND	---	---	---	20%	
<hr/>												
Matrix Spike (22K0881-MS1)			Prepared: 11/23/22 09:43 Analyzed: 11/28/22 21:12									

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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 22K0881 - EPA 3051A						Solid						
Matrix Spike (22K0881-MS1)						Prepared: 11/23/22 09:43 Analyzed: 11/28/22 21:12						
QC Source Sample: Non-SDG (A2K0620-01)												
EPA 6020B												
Arsenic	186000	1840	3690	ug/kg dry	10	184000	8460	96	75-125%	---	---	
Barium	367000	1840	3690	ug/kg dry	10	184000	192000	95	75-125%	---	---	
Cadmium	176000	369	737	ug/kg dry	10	184000	ND	96	75-125%	---	---	
Chromium	181000	1840	3690	ug/kg dry	10	184000	ND	98	75-125%	---	---	
Lead	187000	369	737	ug/kg dry	10	184000	934	101	75-125%	---	---	
Mercury	3740	147	295	ug/kg dry	10	3690	ND	101	75-125%	---	---	
Selenium	84700	1840	3690	ug/kg dry	10	92200	ND	92	75-125%	---	---	
Silver	94200	369	737	ug/kg dry	10	92200	ND	102	75-125%	---	---	

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP 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 22K0878 - EPA 1311/3015A						Solid						
Blank (22K0878-BLK1)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:04									
<u>1311/6020B</u>												
Arsenic	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Barium	ND	2500	5000	ug/L	10	---	---	---	---	---	---	TCLP
Cadmium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Chromium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Lead	ND	25.0	50.0	ug/L	10	---	---	---	---	---	---	TCLP
Mercury	ND	3.75	7.00	ug/L	10	---	---	---	---	---	---	TCLP
Selenium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Silver	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
<hr/>												
LCS (22K0878-BS1)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:10									
<u>1311/6020B</u>												
Arsenic	5030	50.0	100	ug/L	10	5000	---	101	80-120%	---	---	TCLP
Barium	10200	2500	5000	ug/L	10	10000	---	102	80-120%	---	---	TCLP
Cadmium	984	50.0	100	ug/L	10	1000	---	98	80-120%	---	---	TCLP
Chromium	4900	50.0	100	ug/L	10	5000	---	98	80-120%	---	---	TCLP
Lead	5040	25.0	50.0	ug/L	10	5000	---	101	80-120%	---	---	TCLP
Mercury	95.4	3.75	7.00	ug/L	10	100	---	95	80-120%	---	---	TCLP
Selenium	971	50.0	100	ug/L	10	1000	---	97	80-120%	---	---	TCLP
Silver	896	50.0	100	ug/L	10	1000	---	90	80-120%	---	---	TCLP
<hr/>												
Duplicate (22K0878-DUP1)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:20									
<u>QC Source Sample: Non-SDG (A2K0620-01)</u>												
Arsenic	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Barium	ND	2500	5000	ug/L	10	---	ND	---	---	---	20%	
Cadmium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Chromium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Lead	ND	25.0	50.0	ug/L	10	---	ND	---	---	---	20%	
Mercury	ND	3.75	7.00	ug/L	10	---	ND	---	---	---	20%	
Selenium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Silver	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
<hr/>												
Matrix Spike (22K0878-MS1)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:25									

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP 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 22K0878 - EPA 1311/3015A						Solid						
Matrix Spike (22K0878-MS1)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:25									
QC Source Sample: Non-SDG (A2K0620-01)												
1311/6020B												
Arsenic	5010	50.0	100	ug/L	10	5000	ND	100	50-150%	---	---	
Barium	10300	2500	5000	ug/L	10	10000	ND	103	50-150%	---	---	
Cadmium	983	50.0	100	ug/L	10	1000	ND	98	50-150%	---	---	
Chromium	4930	50.0	100	ug/L	10	5000	ND	99	50-150%	---	---	
Lead	5070	25.0	50.0	ug/L	10	5000	ND	101	50-150%	---	---	
Mercury	95.7	3.75	7.00	ug/L	10	100	ND	96	50-150%	---	---	
Selenium	925	50.0	100	ug/L	10	1000	ND	93	50-150%	---	---	
Silver	876	50.0	100	ug/L	10	1000	ND	88	50-150%	---	---	
Matrix Spike (22K0878-MS2)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:36									
QC Source Sample: BF-111622-146 (A2K0621-01)												
1311/6020B												
Arsenic	5020	50.0	100	ug/L	10	5000	ND	100	50-150%	---	---	
Barium	10900	2500	5000	ug/L	10	10000	ND	109	50-150%	---	---	
Cadmium	986	50.0	100	ug/L	10	1000	ND	99	50-150%	---	---	
Chromium	4860	50.0	100	ug/L	10	5000	ND	97	50-150%	---	---	
Lead	5170	25.0	50.0	ug/L	10	5000	ND	103	50-150%	---	---	
Mercury	98.3	3.75	7.00	ug/L	10	100	ND	98	50-150%	---	---	
Selenium	964	50.0	100	ug/L	10	1000	ND	96	50-150%	---	---	
Silver	931	50.0	100	ug/L	10	1000	ND	93	50-150%	---	---	
Matrix Spike (22K0878-MS3)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:47									
QC Source Sample: Non-SDG (A2K0695-05)												
1311/6020B												
Arsenic	5040	50.0	100	ug/L	10	5000	ND	101	50-150%	---	---	COMP
Barium	10500	2500	5000	ug/L	10	10000	ND	105	50-150%	---	---	COMP
Cadmium	986	50.0	100	ug/L	10	1000	ND	99	50-150%	---	---	COMP
Chromium	4860	50.0	100	ug/L	10	5000	ND	97	50-150%	---	---	COMP
Lead	5070	25.0	50.0	ug/L	10	5000	ND	101	50-150%	---	---	COMP
Mercury	95.0	3.75	7.00	ug/L	10	100	ND	95	50-150%	---	---	COMP
Selenium	963	50.0	100	ug/L	10	1000	ND	96	50-150%	---	---	COMP

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP 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 22K0878 - EPA 1311/3015A						Solid						
Matrix Spike (22K0878-MS3)			Prepared: 11/23/22 09:30 Analyzed: 11/28/22 11:47									
QC Source Sample: Non-SDG (A2K0695-05)												
Silver	935	50.0	100	ug/L	10	1000	ND	93	50-150%	---	---	COMP

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0777 - ASTM D7511-12mod (S)						Soil						
Blank (22K0777-BLK1)			Prepared: 11/21/22 10:06 Analyzed: 11/21/22 13:36									
<u>D7511-12</u>												
Total Cyanide	ND	50.0	100	ug/kg wet	1	---	---	---	---	---	---	
LCS (22K0777-BS1)			Prepared: 11/21/22 10:06 Analyzed: 11/21/22 13:38									
<u>D7511-12</u>												
Total Cyanide	403	50.0	100	ug/kg wet	1	400	---	101	84-116%	---	---	
Matrix Spike (22K0777-MS3)			Prepared: 11/21/22 10:06 Analyzed: 11/21/22 16:23									
<u>QC Source Sample: Non-SDG (A2K0620-01RE2)</u>												
<u>D7511-12</u>												
Total Cyanide	6130	879	1760	ug/kg dry	5	1410	3590	181	64-136%	---	---	Q-01, Q-16
Matrix Spike Dup (22K0777-MSD3)			Prepared: 11/21/22 10:06 Analyzed: 11/21/22 16:25									
<u>QC Source Sample: Non-SDG (A2K0620-01RE2)</u>												
Total Cyanide	5970	864	1730	ug/kg dry	5	1380	3590	173	64-136%	3	47%	Q-01, Q-16

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0693 - Total Solids (Dry Weight)						Soil						
Duplicate (22K0693-DUP1)			Prepared: 11/17/22 14:31 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0592-01)</u>												
% Solids	94.9	---	1.00	%	1	---	94.7	---	---	0.1	10%	
Duplicate (22K0693-DUP2)			Prepared: 11/17/22 14:31 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0592-02)</u>												
% Solids	93.6	---	1.00	%	1	---	93.8	---	---	0.2	10%	
Duplicate (22K0693-DUP3)			Prepared: 11/17/22 14:31 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0592-03)</u>												
% Solids	94.9	---	1.00	%	1	---	95.2	---	---	0.4	10%	
Duplicate (22K0693-DUP4)			Prepared: 11/17/22 18:13 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0679-01)</u>												
% Solids	90.2	---	1.00	%	1	---	90.0	---	---	0.3	10%	
Duplicate (22K0693-DUP5)			Prepared: 11/17/22 18:13 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0679-02)</u>												
% Solids	82.2	---	1.00	%	1	---	84.9	---	---	3	10%	
Duplicate (22K0693-DUP6)			Prepared: 11/17/22 19:35 Analyzed: 11/18/22 05:28									
<u>QC Source Sample: Non-SDG (A2K0692-02)</u>												
% Solids	80.8	---	1.00	%	1	---	80.9	---	---	0.09	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0987</u>							
A2K0621-01	Solid	NWTPH-Dx	11/16/22 07:45	11/30/22 07:44	10.02g/5mL	10g/5mL	1.00

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

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0775</u>							
A2K0621-01RE1	Solid	NWTPH-Gx (MS)	11/16/22 07:45	11/16/22 13:35	5.92g/5mL	5g/5mL	0.85

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0775</u>							
A2K0621-01RE1	Solid	5035A/8260D	11/16/22 07:45	11/16/22 13:35	5.92g/5mL	5g/5mL	0.85

Regulated TCLP Volatile Organic Compounds by EPA 1311/8260D

Prep: EPA 1311/5030B TCLP Volatiles					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K1007</u>							
A2K0621-01	Solid	1311/8260D	11/16/22 07:45	11/30/22 10:50	5mL/5mL	5mL/5mL	1.00

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0908</u>							
A2K0621-01	Solid	EPA 8270E	11/16/22 07:45	11/28/22 05:50	10.2g/2mL	15g/2mL	1.47

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0881</u>							
A2K0621-01	Solid	EPA 6020B	11/16/22 07:45	11/23/22 09:43	0.505g/50mL	0.5g/50mL	0.99

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor

TCLP Metals by EPA 6020B (ICPMS)

Prep: EPA 1311/3015A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0878</u>							
A2K0621-01	Solid	1311/6020B	11/16/22 07:45	11/23/22 09:30	10mL/50mL	10mL/50mL	1.00

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0777</u>							
A2K0621-01	Solid	D7511-12	11/16/22 07:45	11/21/22 10:06	2.517g/50mL	2.5g/50mL	0.99

Percent Dry Weight

Prep: Total Solids (Dry Weight)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0693</u>							
A2K0621-01	Solid	EPA 8000D	11/16/22 07:45	11/17/22 14:31			NA

TCLP Extraction by EPA 1311

Prep: EPA 1311 (TCLP)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0795</u>							
A2K0621-01	Solid	EPA 1311	11/16/22 07:45	11/22/22 14:00	100g/2000g	100g/2000g	NA

Prep: EPA 1311 TCLP/ZHE					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0965</u>							
A2K0621-01	Solid	EPA 1311 ZHE	11/16/22 07:45	11/29/22 16:55	19.9g/400.1g	25g/500g	NA

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Project: **Gasco -- Filter Bags**
Project Number: **111323**
Project Manager: **Chip Byrd**

Report ID:
A2K0621 - 12 03 22 1302

QUALIFIER DEFINITIONS

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

Apex Laboratories

- COMP** Sample is a composite of discrete samples. See prep information for details.
- H-10** This sample was TCLP extracted (leached) outside of the recommended holding time.
- 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.
- 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-16** Reanalysis of an original Batch QC sample.
- Q-29** Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Q-30** Recovery for Lab Control Spike (LCS) is below the lower control limit. Data may be 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-50** Due to instrument malfunction, not all Batch QC samples were analyzed. The batch is accepted based on the recoveries of the Blank Spike (BS).
- 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 +14%. 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 +20%. 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 +21%. The results are reported as Estimated Values.
- Q-54c** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +23%. 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 +3%. The results are reported as Estimated Values.

Apex Laboratories

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Table with 3 columns: Client (Sevenson Environmental Services, Inc.), Project (Gasco -- Filter Bags), and Report ID (A2K0621 - 12 03 22 1302).

- Q-54e Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +35%. 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 +47%. The results are reported as Estimated Values.
Q-54g Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
Q-54h Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +6%. The results are reported as Estimated Values.
Q-54i Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -3%. The results are reported as Estimated Values.
Q-55 Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56 Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02 The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-05 Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
TCLP This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 22K0795.
TCLPa This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 22K0965.
V-15 Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

Apex Laboratories

Handwritten signature of Darwin Thomas

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

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

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.

Apex Laboratories

Darwin Thomas, Business Development Director

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Table with 3 columns: Client (Sevenson Environmental Services, Inc.), Project (Gasco -- Filter Bags), and Report ID (A2K0621 - 12 03 22 1302).

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.

Apex Laboratories

Handwritten signature of Darwin Thomas

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc.
2749 Lockport Road
Niagara Falls, NY 14305

Project: **Gasco -- Filter Bags**
Project Number: **111323**
Project Manager: **Chip Byrd**

Report ID:
A2K0621 - 12 03 22 1302

COC ____ of ____

Lab # **A2K0621**

CHAIN OF CUSTODY

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333
Company: Sevenson Environmental Services, Inc. Project Mgr: Chip Byrd Project Name: Gasco -- Bag Filter Project # 111323
Address: 2749 Lockport Road, Niagara Falls, NY 14305 Phone: (716) 583-2754 Fax: wbyrd@sevenson.com
Sampled by: **Jeffrey Lubinski**

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	#260 VOCs	#1311/260 TCPL VOCs	#270D LL Full Lst	Dry Weight	Metals, RCRA 8	Metals, TPCL	Total Cyanide	NMTPH-Dx	NMTPH-Gx
BF-111622-146		11/16/22	0745	S	1	X	X	X	X	X	X	X	X	X

ANALYSIS REQUEST

Normal Turn Around Time (TAT) = 6-10 Business Days

TAT Requested (circle): **1 DAY** 2 DAY 3 DAY 4 DAY 5 DAY ~~STD~~ Other:

SPECIAL INSTRUCTIONS:

RECEIVED BY: Signature: <i>[Signature]</i> Date: 11/16/22 Time: 940 Printed Name: JEFFREY LUBINSKI Company: SE S	RECEIVED BY: Signature: _____ Date: _____ Time: _____ Printed Name: _____ Company: _____
---	---

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.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Filter Bags Project Number: 111323 Project Manager: Chip Byrd	Report ID: A2K0621 - 12 03 22 1302
---	--	---

APEX LABS COOLER RECEIPT FORM

Client: Sevenson Element WO#: A2K0621

Project/Project #: Gasco - Bag Filter 111323

Delivery Info:
 Date/time received: 11/10/22 @ 940 By: EST
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 11/10/22 @ 1041 By: EST
 Chain of Custody included? Yes No Custody seals? Yes No
 Signed/dated by client? Yes No
 Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>3.3</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Gel</u>						
Condition (In/Out):	<u>In</u>						

Cooler out of temp? (Y/N) (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: 11/10/22 @ 13:25 By: QAM
 All samples intact? Yes No Comments: _____

 Bottle labels/COCs agree? Yes No Comments: QAM 11/10/22

 COC/container discrepancies form initiated? Yes No
 Containers/volumes received appropriate for analysis? Yes No Comments: _____

 Do VOA vials have visible headspace? Yes No NA
 Comments: _____
 Water samples: pH checked: Yes No NA pH appropriate? Yes No NA
 Comments: _____

Additional information:

Labeled by: QAM Witness: Chip Cooler Inspected by: AAW Form Y-003 R-00

Apex Laboratories

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

Darwin Thomas, Business Development Director