



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Friday, October 28, 2022

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

RE: A210865 - Gasco -- Monthly (2022) - 000029-02-20-2

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 A210865, which was received by the laboratory on 9/28/2022 at 10:05:00AM.

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	0.8 degC	Cooler #2	1.9 degC
Cooler #3	2.5 degC	Cooler #4	1.6 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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.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.



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Darwin Thomas, Business Development Director



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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SI-092822-94	A210865-01	Water	09/28/22 00:10	09/28/22 10:05
SE-092822-94	A210865-02	Water	09/28/22 00:20	09/28/22 10:05
NWI-092822-94	A210865-03	Water	09/28/22 00:50	09/28/22 10:05
NWE-092822-94	A210865-04	Water	09/28/22 01:15	09/28/22 10:05
TWE-092822-94	A210865-05	Water	09/28/22 01:45	09/28/22 10:05
TPI-092822-94	A210865-06	Water	09/28/22 01:05	09/28/22 10:05
PGAC-092822-94	A210865-07	Water	09/28/22 01:50	09/28/22 10:05
GACM1-092822-94	A210865-08	Water	09/28/22 02:10	09/28/22 10:05
GACM2-092822-94	A210865-09	Water	09/28/22 00:25	09/28/22 10:05
GACF1-092822-94	A210865-10	Water	09/28/22 02:30	09/28/22 10:05
GACF2-092822-94	A210865-11	Water	09/28/22 00:45	09/28/22 10:05

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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 2210993		
Acetone	ND	50.0	100	ug/L	5	09/30/22 08:47	EPA 8260D	
Acrylonitrile	ND	5.00	10.0	ug/L	5	09/30/22 08:47	EPA 8260D	
Benzene	251	0.500	1.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Bromobenzene	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Bromochloromethane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Bromodichloromethane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Bromoform	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Bromomethane	ND	25.0	25.0	ug/L	5	09/30/22 08:47	EPA 8260D	
2-Butanone (MEK)	ND	25.0	50.0	ug/L	5	09/30/22 08:47	EPA 8260D	
n-Butylbenzene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
sec-Butylbenzene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
tert-Butylbenzene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Carbon disulfide	ND	25.0	50.0	ug/L	5	09/30/22 08:47	EPA 8260D	
Carbon tetrachloride	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Chlorobenzene	6.30	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Chloroethane	ND	25.0	25.0	ug/L	5	09/30/22 08:47	EPA 8260D	
Chloroform	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Chloromethane	ND	12.5	25.0	ug/L	5	09/30/22 08:47	EPA 8260D	
2-Chlorotoluene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
4-Chlorotoluene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Dibromochloromethane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	12.5	25.0	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Dibromomethane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2-Dichlorobenzene	2.10	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	J
1,3-Dichlorobenzene	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
1,4-Dichlorobenzene	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Dichlorodifluoromethane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1-Dichloroethane	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1-Dichloroethene	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
cis-1,2-Dichloroethene	6.30	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
trans-1,2-Dichloroethene	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	

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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 2210993		
1,2-Dichloropropane	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
1,3-Dichloropropane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
2,2-Dichloropropane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1-Dichloropropene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
cis-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
trans-1,3-Dichloropropene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Ethylbenzene	245	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Hexachlorobutadiene	ND	12.5	25.0	ug/L	5	09/30/22 08:47	EPA 8260D	
2-Hexanone	ND	25.0	50.0	ug/L	5	09/30/22 08:47	EPA 8260D	
Isopropylbenzene	11.4	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
4-Isopropyltoluene	2.55	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	J
Methylene chloride	ND	25.0	50.0	ug/L	5	09/30/22 08:47	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	25.0	50.0	ug/L	5	09/30/22 08:47	EPA 8260D	
Methyl tert-butyl ether (MTBE)	2.70	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	J
n-Propylbenzene	3.90	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Styrene	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Tetrachloroethene (PCE)	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Toluene	10.0	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2,3-Trichlorobenzene	ND	5.00	10.0	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2,4-Trichlorobenzene	ND	5.00	10.0	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1,1-Trichloroethane	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,1,2-Trichloroethane	ND	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	
Trichloroethene (TCE)	ND	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Trichlorofluoromethane	ND	5.00	10.0	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2,3-Trichloropropane	ND	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,2,4-Trimethylbenzene	87.6	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
1,3,5-Trimethylbenzene	25.1	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
Vinyl chloride	8.15	1.00	2.00	ug/L	5	09/30/22 08:47	EPA 8260D	
m,p-Xylene	168	2.50	5.00	ug/L	5	09/30/22 08:47	EPA 8260D	
o-Xylene	90.8	1.25	2.50	ug/L	5	09/30/22 08:47	EPA 8260D	

Surrogate: 1,4-Difluorobenzene (Surr) Recovery: 92 % Limits: 80-120 % 1 09/30/22 08:47 EPA 8260D

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Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 2210993		
<i>Surrogate: Toluene-d8 (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 08:47</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>93 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 08:47</i>	<i>EPA 8260D</i>
SE-092822-94 (A210865-02)				Matrix: Water		Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 06:33	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Benzene	26.5	0.100	0.200	ug/L	1	09/30/22 06:33	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 06:33	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 06:33	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 06:33	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Chlorobenzene	0.970	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 06:33	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2-Dichlorobenzene	0.660	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	

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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SE-092822-94 (A210865-02)			Matrix: Water			Batch: 2210993		
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
cis-1,2-Dichloroethene	0.810	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Ethylbenzene	18.3	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 06:33	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 06:33	EPA 8260D	
Isopropylbenzene	0.620	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	J
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 06:33	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	09/30/22 06:33	EPA 8260D	
Methyl tert-butyl ether (MTBE)	1.45	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
n-Propylbenzene	0.290	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	J
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
Toluene	0.860	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,2,4-Trimethylbenzene	8.79	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
1,3,5-Trimethylbenzene	2.00	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
Vinyl chloride	0.210	0.200	0.400	ug/L	1	09/30/22 06:33	EPA 8260D	J

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Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SE-092822-94 (A210865-02)			Matrix: Water			Batch: 2210993		
m,p-Xylene	12.7	0.500	1.00	ug/L	1	09/30/22 06:33	EPA 8260D	
o-Xylene	9.81	0.250	0.500	ug/L	1	09/30/22 06:33	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>			<i>Recovery: 91 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>09/30/22 06:33</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>			<i>103 %</i>	<i>80-120 %</i>	<i>1</i>	<i>09/30/22 06:33</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>			<i>95 %</i>	<i>80-120 %</i>	<i>1</i>	<i>09/30/22 06:33</i>	<i>EPA 8260D</i>	
NWI-092822-94 (A210865-03)			Matrix: Water			Batch: 2210993		
Acetone	ND	20.0	40.0	ug/L	2	09/30/22 07:40	EPA 8260D	
Acrylonitrile	ND	2.00	4.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Benzene	213	0.200	0.400	ug/L	2	09/30/22 07:40	EPA 8260D	
Bromobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Bromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Bromodichloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Bromomethane	ND	10.0	10.0	ug/L	2	09/30/22 07:40	EPA 8260D	
2-Butanone (MEK)	ND	10.0	20.0	ug/L	2	09/30/22 07:40	EPA 8260D	
n-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
sec-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
tert-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Carbon disulfide	ND	10.0	20.0	ug/L	2	09/30/22 07:40	EPA 8260D	
Carbon tetrachloride	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Chlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Chloroethane	ND	10.0	10.0	ug/L	2	09/30/22 07:40	EPA 8260D	
Chloroform	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Chloromethane	ND	5.00	10.0	ug/L	2	09/30/22 07:40	EPA 8260D	
2-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
4-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Dibromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	10.0	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Dibromomethane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
NWI-092822-94 (A210865-03)				Matrix: Water		Batch: 2210993		
Dichlorodifluoromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1-Dichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2-Dichloropropane	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,3-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
2,2-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
cis-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
trans-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Ethylbenzene	7.46	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Hexachlorobutadiene	ND	5.00	10.0	ug/L	2	09/30/22 07:40	EPA 8260D	
2-Hexanone	ND	10.0	20.0	ug/L	2	09/30/22 07:40	EPA 8260D	
Isopropylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
4-Isopropyltoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Methylene chloride	ND	10.0	20.0	ug/L	2	09/30/22 07:40	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	10.0	20.0	ug/L	2	09/30/22 07:40	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
n-Propylbenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Styrene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
Toluene	0.720	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	J
1,2,3-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2,4-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1,1-Trichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Trichloroethene (TCE)	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
Trichlorofluoromethane	ND	2.00	4.00	ug/L	2	09/30/22 07:40	EPA 8260D	
1,2,3-Trichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
NWI-092822-94 (A210865-03)			Matrix: Water			Batch: 2210993		
1,2,4-Trimethylbenzene	1.28	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	J
1,3,5-Trimethylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
Vinyl chloride	ND	0.400	0.800	ug/L	2	09/30/22 07:40	EPA 8260D	
m,p-Xylene	2.20	1.00	2.00	ug/L	2	09/30/22 07:40	EPA 8260D	
o-Xylene	1.64	0.500	1.00	ug/L	2	09/30/22 07:40	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 07:40</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 07:40</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 07:40</i>	<i>EPA 8260D</i>
NWE-092822-94 (A210865-04)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 06:11	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Benzene	52.2	0.100	0.200	ug/L	1	09/30/22 06:11	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 06:11	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 06:11	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 06:11	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 06:11	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
NWE-092822-94 (A210865-04)			Matrix: Water			Batch: 2210993		
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Ethylbenzene	2.65	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 06:11	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 06:11	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 06:11	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	09/30/22 06:11	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
Toluene	0.300	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	J
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
NWE-092822-94 (A210865-04)			Matrix: Water			Batch: 2210993		
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	09/30/22 06:11	EPA 8260D	
m,p-Xylene	0.760	0.500	1.00	ug/L	1	09/30/22 06:11	EPA 8260D	J
o-Xylene	0.790	0.250	0.500	ug/L	1	09/30/22 06:11	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 06:11</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>104 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 06:11</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 06:11</i>	<i>EPA 8260D</i>

TWE-092822-94 (A210865-05)			Matrix: Water			Batch: 2210993		
Acetone	ND	20.0	40.0	ug/L	2	09/30/22 08:03	EPA 8260D	
Acrylonitrile	ND	2.00	4.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Benzene	39.6	0.200	0.400	ug/L	2	09/30/22 08:03	EPA 8260D	
Bromobenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Bromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Bromodichloromethane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Bromomethane	ND	10.0	10.0	ug/L	2	09/30/22 08:03	EPA 8260D	
2-Butanone (MEK)	ND	10.0	20.0	ug/L	2	09/30/22 08:03	EPA 8260D	
n-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
sec-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
tert-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Carbon disulfide	ND	10.0	20.0	ug/L	2	09/30/22 08:03	EPA 8260D	
Carbon tetrachloride	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Chlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Chloroethane	ND	10.0	10.0	ug/L	2	09/30/22 08:03	EPA 8260D	
Chloroform	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Chloromethane	ND	5.00	10.0	ug/L	2	09/30/22 08:03	EPA 8260D	
2-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
4-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Dibromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TWE-092822-94 (A210865-05)			Matrix: Water			Batch: 2210993		
1,2-Dibromo-3-chloropropane	ND	5.00	10.0	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Dibromomethane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Dichlorodifluoromethane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1-Dichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2-Dichloropropane	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,3-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
2,2-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
cis-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
trans-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Ethylbenzene	2.14	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Hexachlorobutadiene	ND	5.00	10.0	ug/L	2	09/30/22 08:03	EPA 8260D	
2-Hexanone	ND	10.0	20.0	ug/L	2	09/30/22 08:03	EPA 8260D	
Isopropylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
4-Isopropyltoluene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Methylene chloride	ND	10.0	20.0	ug/L	2	09/30/22 08:03	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	10.0	20.0	ug/L	2	09/30/22 08:03	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
n-Propylbenzene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Styrene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2,3-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 08:03	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TWE-092822-94 (A210865-05)			Matrix: Water			Batch: 2210993		
1,2,4-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1,1-Trichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Trichloroethene (TCE)	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
Trichlorofluoromethane	ND	2.00	4.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2,3-Trichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,2,4-Trimethylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
1,3,5-Trimethylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	
Vinyl chloride	ND	0.400	0.800	ug/L	2	09/30/22 08:03	EPA 8260D	
m,p-Xylene	1.00	1.00	2.00	ug/L	2	09/30/22 08:03	EPA 8260D	J
o-Xylene	0.980	0.500	1.00	ug/L	2	09/30/22 08:03	EPA 8260D	J
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>09/30/22 08:03</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>	<i>1</i>	<i>09/30/22 08:03</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>09/30/22 08:03</i>	<i>EPA 8260D</i>	

TPI-092822-94 (A210865-06)			Matrix: Water			Batch: 2210993		
Acetone	ND	20.0	40.0	ug/L	2	09/30/22 07:18	EPA 8260D	
Acrylonitrile	ND	2.00	4.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Benzene	34.4	0.200	0.400	ug/L	2	09/30/22 07:18	EPA 8260D	
Bromobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Bromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Bromodichloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Bromomethane	ND	10.0	10.0	ug/L	2	09/30/22 07:18	EPA 8260D	
2-Butanone (MEK)	ND	10.0	20.0	ug/L	2	09/30/22 07:18	EPA 8260D	
n-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
sec-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
tert-Butylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Carbon disulfide	ND	10.0	20.0	ug/L	2	09/30/22 07:18	EPA 8260D	
Carbon tetrachloride	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Chlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Chloroethane	ND	10.0	10.0	ug/L	2	09/30/22 07:18	EPA 8260D	
Chloroform	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Chloromethane	ND	5.00	10.0	ug/L	2	09/30/22 07:18	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TPI-092822-94 (A210865-06)				Matrix: Water		Batch: 2210993		
2-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
4-Chlorotoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Dibromochloromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	10.0	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Dibromomethane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Dichlorodifluoromethane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1-Dichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2-Dichloropropane	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,3-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
2,2-Dichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
cis-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
trans-1,3-Dichloropropene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Ethylbenzene	4.86	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Hexachlorobutadiene	ND	5.00	10.0	ug/L	2	09/30/22 07:18	EPA 8260D	
2-Hexanone	ND	10.0	20.0	ug/L	2	09/30/22 07:18	EPA 8260D	
Isopropylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
4-Isopropyltoluene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Methylene chloride	ND	10.0	20.0	ug/L	2	09/30/22 07:18	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	10.0	20.0	ug/L	2	09/30/22 07:18	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
n-Propylbenzene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Styrene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TPI-092822-94 (A210865-06)			Matrix: Water			Batch: 2210993		
Tetrachloroethene (PCE)	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2,3-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2,4-Trichlorobenzene	ND	2.00	4.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1,1-Trichloroethane	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Trichloroethene (TCE)	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
Trichlorofluoromethane	ND	2.00	4.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2,3-Trichloropropane	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
1,2,4-Trimethylbenzene	1.86	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	J
1,3,5-Trimethylbenzene	ND	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
Vinyl chloride	ND	0.400	0.800	ug/L	2	09/30/22 07:18	EPA 8260D	
m,p-Xylene	2.86	1.00	2.00	ug/L	2	09/30/22 07:18	EPA 8260D	
o-Xylene	2.34	0.500	1.00	ug/L	2	09/30/22 07:18	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 07:18</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 07:18</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 07:18</i>	<i>EPA 8260D</i>

PGAC-092822-94 (A210865-07)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 05:04	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Benzene	21.2	0.100	0.200	ug/L	1	09/30/22 05:04	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Bromodichloromethane	11.5	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Bromoform	1.29	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 05:04	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 05:04	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 05:04	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PGAC-092822-94 (A210865-07)			Matrix: Water			Batch: 2210993		
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Chloroform	59.3	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 05:04	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Dibromochloromethane	1.87	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 05:04	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 05:04	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 05:04	EPA 8260D	
4-Methyl-2-pentanone (MIBK)	ND	5.00	10.0	ug/L	1	09/30/22 05:04	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PGAC-092822-94 (A210865-07)			Matrix: Water			Batch: 2210993		
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
Toluene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	09/30/22 05:04	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	09/30/22 05:04	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	09/30/22 05:04	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 05:04</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>94 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 05:04</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>89 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 05:04</i>	<i>EPA 8260D</i>

GACM1-092822-94 (A210865-08)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 03:34	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Benzene	0.500	0.100	0.200	ug/L	1	09/30/22 03:34	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Bromodichloromethane	24.5	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Bromoform	1.24	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 03:34	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 03:34	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	

Apex Laboratories

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM1-092822-94 (A210865-08)			Matrix: Water			Batch: 2210993		
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 03:34	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Chloroform	118	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 03:34	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Dibromochloromethane	5.82	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
cis-1,2-Dichloroethene	0.400	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Ethylbenzene	0.250	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	J
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 03:34	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 03:34	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM1-092822-94 (A210865-08)			Matrix: Water			Batch: 2210993		
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 03:34	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	09/30/22 03:34	EPA 8260D	
Methyl tert-butyl ether (MTBE)	0.640	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	J
Naphthalene	ND	1.00	2.00	ug/L	1	09/30/22 03:34	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	Q-42
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
Toluene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
Vinyl chloride	0.800	0.200	0.400	ug/L	1	09/30/22 03:34	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	09/30/22 03:34	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	09/30/22 03:34	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 96 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 03:34</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 03:34</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 03:34</i>	<i>EPA 8260D</i>

GACM2-092822-94 (A210865-09)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 04:42	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Benzene	0.110	0.100	0.200	ug/L	1	09/30/22 04:42	EPA 8260D	J
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM2-092822-94 (A210865-09)			Matrix: Water			Batch: 2210993		
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 04:42	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 04:42	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 04:42	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Chloroform	4.17	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 04:42	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM2-092822-94 (A210865-09)			Matrix: Water			Batch: 2210993		
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 04:42	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 04:42	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 04:42	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	09/30/22 04:42	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
Toluene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
Vinyl chloride	0.390	0.200	0.400	ug/L	1	09/30/22 04:42	EPA 8260D	J
m,p-Xylene	ND	0.500	1.00	ug/L	1	09/30/22 04:42	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	09/30/22 04:42	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 04:42</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>104 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 04:42</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 04:42</i>	<i>EPA 8260D</i>

GACF1-092822-94 (A210865-10)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 05:49	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Benzene	0.100	0.100	0.200	ug/L	1	09/30/22 05:49	EPA 8260D	J
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10)			Matrix: Water			Batch: 2210993		
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Bromodichloromethane	22.1	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 05:49	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 05:49	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 05:49	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Chloroform	131	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 05:49	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Dibromochloromethane	3.81	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10)			Matrix: Water			Batch: 2210993		
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 05:49	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 05:49	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 05:49	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	09/30/22 05:49	EPA 8260D	
Methyl tert-butyl ether (MTBE)	0.720	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	J
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
Toluene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
Vinyl chloride	0.510	0.200	0.400	ug/L	1	09/30/22 05:49	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	09/30/22 05:49	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	09/30/22 05:49	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 96 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>09/30/22 05:49</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>104 %</i>		<i>80-120 %</i>	<i>1</i>	<i>09/30/22 05:49</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>	<i>1</i>	<i>09/30/22 05:49</i>	<i>EPA 8260D</i>	

GACF2-092822-94 (A210865-11)			Matrix: Water			Batch: 2210993		
Acetone	ND	10.0	20.0	ug/L	1	09/30/22 05:26	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF2-092822-94 (A210865-11)			Matrix: Water			Batch: 2210993		
Acrylonitrile	ND	1.00	2.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	09/30/22 05:26	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Bromodichloromethane	8.30	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	09/30/22 05:26	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	09/30/22 05:26	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	09/30/22 05:26	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Chloroform	38.2	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	09/30/22 05:26	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Dibromochloromethane	1.48	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF2-092822-94 (A210865-11)			Matrix: Water			Batch: 2210993		
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	09/30/22 05:26	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	09/30/22 05:26	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	09/30/22 05:26	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	09/30/22 05:26	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
Toluene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	09/30/22 05:26	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	09/30/22 05:26	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	09/30/22 05:26	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 96 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 05:26</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>104 %</i>		<i>80-120 %</i>		<i>1</i>	<i>09/30/22 05:26</i>	<i>EPA 8260D</i>

Apex Laboratories

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF2-092822-94 (A210865-11)				Matrix: Water		Batch: 2210993		
<i>Surrogate: 4-Bromofluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>09/30/22 05:26</i>	<i>EPA 8260D</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 22J0158		
Acenaphthene	431	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Acenaphthylene	ND	21.5	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Anthracene	131	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Benz(a)anthracene	52.5	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Benzo(a)pyrene	54.8	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Benzo(b)fluoranthene	49.8	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	M-05
Benzo(k)fluoranthene	17.0	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	J
Benzo(g,h,i)perylene	30.8	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Chrysene	65.5	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Fluoranthene	211	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Fluorene	158	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	35.4	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
1-Methylnaphthalene	482	21.5	43.0	ug/L	500	10/05/22 19:56	EPA 8270E SIM	Q-30
2-Methylnaphthalene	801	21.5	43.0	ug/L	500	10/05/22 19:56	EPA 8270E SIM	Q-30
Naphthalene	7220	21.5	43.0	ug/L	500	10/05/22 19:56	EPA 8270E SIM	Q-30
Phenanthrene	622	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Pyrene	246	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	
Dibenzofuran	31.6	10.8	21.5	ug/L	500	10/05/22 19:56	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 44-120 %</i>	<i>500</i>	<i>10/05/22 19:56</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>73 %</i>		<i>50-134 %</i>	<i>500</i>	<i>10/05/22 19:56</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>

SI-092822-94 (A210865-01RE1)				Matrix: Water		Batch: 22J0182		H-02
Acenaphthene	218	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Acenaphthylene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Anthracene	27.2	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Benz(a)anthracene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Benzo(a)pyrene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Chrysene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01RE1)			Matrix: Water		Batch: 22J0182		H-02	
Fluoranthene	19.1	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	J
Fluorene	65.9	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
1-Methylnaphthalene	311	20.6	41.2	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
2-Methylnaphthalene	476	20.6	41.2	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Naphthalene	5240	20.6	41.2	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Phenanthrene	153	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	
Pyrene	20.2	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	J
Dibenzofuran	15.0	10.3	20.6	ug/L	500	10/06/22 20:50	EPA 8270E SIM	J
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 44-120 %</i>	<i>500</i>	<i>10/06/22 20:50</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>107 %</i>		<i>50-134 %</i>	<i>500</i>	<i>10/06/22 20:50</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
SE-092822-94 (A210865-02)			Matrix: Water		Batch: 22J0158			
Acenaphthene	158	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Acenaphthylene	ND	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Anthracene	14.7	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Benz(a)anthracene	7.47	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	J
Benzo(a)pyrene	5.93	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	J
Benzo(b)fluoranthene	5.18	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	J
Benzo(k)fluoranthene	ND	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Chrysene	7.29	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	J
Dibenz(a,h)anthracene	ND	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Fluoranthene	31.4	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Fluorene	57.6	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	4.20	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	J
1-Methylnaphthalene	163	8.16	16.3	ug/L	200	10/05/22 20:21	EPA 8270E SIM	Q-30
2-Methylnaphthalene	228	8.16	16.3	ug/L	200	10/05/22 20:21	EPA 8270E SIM	Q-30
Naphthalene	2050	8.16	16.3	ug/L	200	10/05/22 20:21	EPA 8270E SIM	Q-30
Phenanthrene	160	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Pyrene	34.8	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	
Dibenzofuran	11.7	4.08	8.16	ug/L	200	10/05/22 20:21	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 44-120 %</i>	<i>200</i>	<i>10/05/22 20:21</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
SE-092822-94 (A210865-02)			Matrix: Water			Batch: 22J0158			
<i>Surrogate: p-Terphenyl-d14 (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 50-134 %</i>		<i>200</i>	<i>10/05/22 20:21</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
SE-092822-94 (A210865-02RE1)			Matrix: Water			Batch: 22J0182		H-02	
Acenaphthene	170	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Acenaphthylene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Anthracene	22.9	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Benz(a)anthracene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Benzo(a)pyrene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Benzo(b)fluoranthene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Benzo(k)fluoranthene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Benzo(g,h,i)perylene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Chrysene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Dibenz(a,h)anthracene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Fluoranthene	12.1	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Fluorene	58.4	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Indeno(1,2,3-cd)pyrene	ND	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
1-Methylnaphthalene	192	8.60	17.2	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
2-Methylnaphthalene	265	8.60	17.2	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Naphthalene	2410	8.60	17.2	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Phenanthrene	141	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Pyrene	12.2	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
Dibenzofuran	12.0	4.30	8.60	ug/L	200	10/06/22 21:15	EPA 8270E SIM		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 44-120 %</i>		<i>200</i>	<i>10/06/22 21:15</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>50-134 %</i>		<i>200</i>	<i>10/06/22 21:15</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>

NWI-092822-94 (A210865-03)			Matrix: Water			Batch: 22J0158		
Acenaphthene	7.97	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Acenaphthylene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Anthracene	1.89	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	J
Benz(a)anthracene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Benzo(a)pyrene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
NWI-092822-94 (A210865-03)				Matrix: Water		Batch: 22J0158			
Chrysene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Dibenz(a,h)anthracene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Fluoranthene	2.25	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Fluorene	3.37	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Indeno(1,2,3-cd)pyrene	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
1-Methylnaphthalene	10.2	2.06	4.12	ug/L	50	10/05/22 20:46	EPA 8270E SIM	Q-30	
2-Methylnaphthalene	14.0	2.06	4.12	ug/L	50	10/05/22 20:46	EPA 8270E SIM	Q-30	
Naphthalene	57.6	2.06	4.12	ug/L	50	10/05/22 20:46	EPA 8270E SIM	Q-30	
Phenanthrene	12.9	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Pyrene	2.72	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM		
Dibenzofuran	ND	1.03	2.06	ug/L	50	10/05/22 20:46	EPA 8270E SIM	Q-30	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 44-120 %</i>		<i>50</i>	<i>10/05/22 20:46</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>72 %</i>		<i>50-134 %</i>		<i>50</i>	<i>10/05/22 20:46</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>

NWI-092822-94 (A210865-03RE1)				Matrix: Water		Batch: 22J0182		H-02
Acenaphthene	5.59	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Acenaphthylene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Anthracene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Benz(a)anthracene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Benzo(a)pyrene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Chrysene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Fluoranthene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Fluorene	1.65	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	J
Indeno(1,2,3-cd)pyrene	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
1-Methylnaphthalene	7.23	2.04	4.08	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
2-Methylnaphthalene	9.15	2.04	4.08	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Naphthalene	29.0	2.04	4.08	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Phenanthrene	6.10	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	
Pyrene	1.07	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM	J

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
NWI-092822-94 (A210865-03RE1)				Matrix: Water		Batch: 22J0182		H-02	
Dibenzofuran	ND	1.02	2.04	ug/L	50	10/06/22 21:40	EPA 8270E SIM		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 44-120 %</i>		<i>50</i>	<i>10/06/22 21:40</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>50-134 %</i>		<i>50</i>	<i>10/06/22 21:40</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
NWE-092822-94 (A210865-04)				Matrix: Water		Batch: 22J0158			
Acenaphthene	5.50	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Acenaphthylene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Anthracene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Benz(a)anthracene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Benzo(a)pyrene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Benzo(b)fluoranthene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Benzo(k)fluoranthene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Benzo(g,h,i)perylene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Chrysene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Dibenz(a,h)anthracene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Fluoranthene	2.05	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Fluorene	2.34	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Indeno(1,2,3-cd)pyrene	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
1-Methylnaphthalene	5.14	1.68	3.37	ug/L	40	10/05/22 21:11	EPA 8270E SIM	Q-30	
2-Methylnaphthalene	ND	1.68	3.37	ug/L	40	10/05/22 21:11	EPA 8270E SIM	Q-30	
Naphthalene	ND	1.68	3.37	ug/L	40	10/05/22 21:11	EPA 8270E SIM	Q-30	
Phenanthrene	7.08	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM		
Pyrene	1.63	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM	J	
Dibenzofuran	ND	0.842	1.68	ug/L	40	10/05/22 21:11	EPA 8270E SIM	Q-30	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 44-120 %</i>		<i>40</i>	<i>10/05/22 21:11</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>70 %</i>		<i>50-134 %</i>		<i>40</i>	<i>10/05/22 21:11</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
NWE-092822-94 (A210865-04RE1)				Matrix: Water		Batch: 22J0182		H-02	
Acenaphthene	7.45	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Acenaphthylene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Anthracene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Benz(a)anthracene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Benzo(a)pyrene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Benzo(b)fluoranthene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
NWE-092822-94 (A210865-04RE1)				Matrix: Water		Batch: 22J0182		H-02	
Benzo(k)fluoranthene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Benzo(g,h,i)perylene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Chrysene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Dibenz(a,h)anthracene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Fluoranthene	2.07	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Fluorene	2.66	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Indeno(1,2,3-cd)pyrene	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
1-Methylnaphthalene	5.57	1.68	3.37	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
2-Methylnaphthalene	ND	1.68	3.37	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Naphthalene	ND	1.68	3.37	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Phenanthrene	8.03	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Pyrene	2.18	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
Dibenzofuran	ND	0.842	1.68	ug/L	40	10/06/22 22:05	EPA 8270E SIM		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 44-120 %</i>		<i>40</i>	<i>10/06/22 22:05</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>96 %</i>		<i>50-134 %</i>		<i>40</i>	<i>10/06/22 22:05</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>

TWE-092822-94 (A210865-05RE1)				Matrix: Water		Batch: 22J0182		H-02
Acenaphthene	24.6	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Acenaphthylene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Anthracene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Benz(a)anthracene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Benzo(a)pyrene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Chrysene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Fluoranthene	7.21	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Fluorene	7.51	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
1-Methylnaphthalene	17.6	4.26	8.51	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
2-Methylnaphthalene	13.1	4.26	8.51	ug/L	100	10/06/22 17:02	EPA 8270E SIM	
Naphthalene	102	4.26	8.51	ug/L	100	10/06/22 17:02	EPA 8270E SIM	

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
TWE-092822-94 (A210865-05RE1)				Matrix: Water		Batch: 22J0182		H-02	
Phenanthrene	23.8	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM		
Pyrene	7.63	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM		
Dibenzofuran	ND	2.13	4.26	ug/L	100	10/06/22 17:02	EPA 8270E SIM		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>100</i>	<i>10/06/22 17:02</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>94 %</i>		<i>50-134 %</i>		<i>100</i>	<i>10/06/22 17:02</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
TPI-092822-94 (A210865-06RE1)				Matrix: Water		Batch: 22J0182		H-02	
Acenaphthene	65.1	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Acenaphthylene	ND	2.60	2.60	ug/L	50	10/06/22 17:27	EPA 8270E SIM	R-02	
Anthracene	6.30	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Benz(a)anthracene	1.14	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM	J	
Benzo(a)pyrene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Benzo(b)fluoranthene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Benzo(k)fluoranthene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Benzo(g,h,i)perylene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Chrysene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Dibenz(a,h)anthracene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Fluoranthene	9.90	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Fluorene	26.0	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Indeno(1,2,3-cd)pyrene	ND	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
1-Methylnaphthalene	50.1	2.08	4.17	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
2-Methylnaphthalene	37.6	2.08	4.17	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Naphthalene	233	2.08	4.17	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Phenanthrene	72.3	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Pyrene	9.91	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
Dibenzofuran	3.97	1.04	2.08	ug/L	50	10/06/22 17:27	EPA 8270E SIM		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 44-120 %</i>		<i>50</i>	<i>10/06/22 17:27</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>89 %</i>		<i>50-134 %</i>		<i>50</i>	<i>10/06/22 17:27</i>	<i>EPA 8270E SIM</i>	<i>S-05</i>
PGAC-092822-94 (A210865-07)				Matrix: Water		Batch: 22J0158			
Acenaphthene	ND	1.90	1.90	ug/L	4	10/05/22 21:36	EPA 8270E SIM	R-02	
Acenaphthylene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM		
Anthracene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM		

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PGAC-092822-94 (A210865-07)			Matrix: Water			Batch: 22J0158		
Benz(a)anthracene	ND	0.152	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Chrysene	ND	0.152	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Fluoranthene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Fluorene	ND	4.95	4.95	ug/L	4	10/05/22 21:36	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.152	0.305	ug/L	4	10/05/22 21:36	EPA 8270E SIM	Q-30
2-Methylnaphthalene	ND	0.152	0.305	ug/L	4	10/05/22 21:36	EPA 8270E SIM	Q-30
Naphthalene	ND	0.152	0.305	ug/L	4	10/05/22 21:36	EPA 8270E SIM	Q-30
Phenanthrene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Pyrene	ND	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	
Dibenzofuran	0.441	0.0762	0.152	ug/L	4	10/05/22 21:36	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>10/05/22 21:36</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>52 %</i>		<i>50-134 %</i>		<i>4</i>	<i>10/05/22 21:36</i>	<i>EPA 8270E SIM</i>

PGAC-092822-94 (A210865-07RE1)			Matrix: Water			Batch: 22J0182		H-02
Acenaphthene	ND	2.17	2.17	ug/L	4	10/06/22 22:30	EPA 8270E SIM	R-02
Acenaphthylene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Anthracene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Benz(a)anthracene	ND	0.155	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Chrysene	ND	0.155	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Fluoranthene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Fluorene	ND	5.83	5.83	ug/L	4	10/06/22 22:30	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PGAC-092822-94 (A210865-07RE1)			Matrix: Water		Batch: 22J0182		H-02	
1-Methylnaphthalene	ND	0.155	0.311	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.155	0.311	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Naphthalene	0.247	0.155	0.311	ug/L	4	10/06/22 22:30	EPA 8270E SIM	J
Phenanthrene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Pyrene	ND	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
Dibenzofuran	0.559	0.0777	0.155	ug/L	4	10/06/22 22:30	EPA 8270E SIM	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>10/06/22 22:30</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>73 %</i>		<i>50-134 %</i>		<i>4</i>	<i>10/06/22 22:30</i>	<i>EPA 8270E SIM</i>

GACM1-092822-94 (A210865-08)			Matrix: Water		Batch: 22J0158			
Acenaphthene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Acenaphthylene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Anthracene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Chrysene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Fluoranthene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Fluorene	ND	0.0857	0.0857	ug/L	1	10/05/22 22:02	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/05/22 22:02	EPA 8270E SIM	Q-30
2-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/05/22 22:02	EPA 8270E SIM	Q-30
Naphthalene	ND	0.0381	0.0762	ug/L	1	10/05/22 22:02	EPA 8270E SIM	Q-30
Phenanthrene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Pyrene	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	
Dibenzofuran	ND	0.0190	0.0381	ug/L	1	10/05/22 22:02	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/05/22 22:02</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>58 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/05/22 22:02</i>	<i>EPA 8270E SIM</i>

GACM1-092822-94 (A210865-08RE1)			Matrix: Water		Batch: 22J0182		H-02	
Acenaphthene	ND	0.0500	0.0500	ug/L	1	10/06/22 22:55	EPA 8270E SIM	R-02

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM1-092822-94 (A210865-08RE1)				Matrix: Water		Batch: 22J0182		H-02
Acenaphthylene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Anthracene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Chrysene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Fluoranthene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Fluorene	ND	0.110	0.110	ug/L	1	10/06/22 22:55	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0400	0.0800	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0400	0.0800	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Naphthalene	ND	0.0400	0.0800	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Phenanthrene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Pyrene	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
Dibenzofuran	ND	0.0200	0.0400	ug/L	1	10/06/22 22:55	EPA 8270E SIM	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/06/22 22:55</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>87 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/06/22 22:55</i>	<i>EPA 8270E SIM</i>

GACM2-092822-94 (A210865-09RE1)				Matrix: Water		Batch: 22J0158		
Acenaphthene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Acenaphthylene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Anthracene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Chrysene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Fluoranthene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACM2-092822-94 (A210865-09RE1)			Matrix: Water			Batch: 22J0158		
Fluorene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0377	0.0755	ug/L	1	10/06/22 12:25	EPA 8270E SIM	Q-30
2-Methylnaphthalene	ND	0.0377	0.0755	ug/L	1	10/06/22 12:25	EPA 8270E SIM	Q-30
Naphthalene	ND	0.0377	0.0755	ug/L	1	10/06/22 12:25	EPA 8270E SIM	Q-30
Phenanthrene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Pyrene	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	
Dibenzofuran	ND	0.0189	0.0377	ug/L	1	10/06/22 12:25	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/06/22 12:25</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/06/22 12:25</i>	<i>EPA 8270E SIM</i>
GACM2-092822-94 (A210865-09RE2)			Matrix: Water			Batch: 22J0182		H-02
Acenaphthene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Acenaphthylene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Chrysene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Fluorene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Naphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Phenanthrene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
Dibenzofuran	ND	0.0192	0.0385	ug/L	1	10/06/22 23:20	EPA 8270E SIM	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/06/22 23:20</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>81 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/06/22 23:20</i>	<i>EPA 8270E SIM</i>

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ANALYTICAL REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10)				Matrix: Water		Batch: 22J0158		
Acenaphthene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Acenaphthylene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Anthracene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Chrysene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Fluoranthene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Fluorene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/06/22 11:34	EPA 8270E SIM	Q-30
2-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/06/22 11:34	EPA 8270E SIM	Q-30
Naphthalene	ND	0.0381	0.0762	ug/L	1	10/06/22 11:34	EPA 8270E SIM	Q-30
Phenanthrene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Pyrene	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	
Dibenzofuran	ND	0.0190	0.0381	ug/L	1	10/06/22 11:34	EPA 8270E SIM	Q-30
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/06/22 11:34</i>	<i>EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>80 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/06/22 11:34</i>	<i>EPA 8270E SIM</i>

GACF1-092822-94 (A210865-10RE1)				Matrix: Water		Batch: 22J0182		H-02
Acenaphthene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Acenaphthylene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Anthracene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Chrysene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10RE1)				Matrix: Water		Batch: 22J0182		H-02
Fluoranthene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Fluorene	ND	0.0392	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0392	0.0784	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0392	0.0784	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Naphthalene	0.0614	0.0392	0.0784	ug/L	1	10/06/22 23:45	EPA 8270E SIM	J
Phenanthrene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Pyrene	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	
Dibenzofuran	ND	0.0196	0.0392	ug/L	1	10/06/22 23:45	EPA 8270E SIM	

Surrogate: 2-Fluorobiphenyl (Surr) *Recovery: 76 %* *Limits: 44-120 %* *1* *10/06/22 23:45* *EPA 8270E SIM*
p-Terphenyl-d14 (Surr) *85 %* *50-134 %* *1* *10/06/22 23:45* *EPA 8270E SIM*

GACF2-092822-94 (A210865-11)				Matrix: Water		Batch: 22J0158		
Acenaphthene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Acenaphthylene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Chrysene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Fluoranthene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Fluorene	ND	0.0673	0.0673	ug/L	1	10/06/22 12:00	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 12:00	EPA 8270E SIM	Q-30
2-Methylnaphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 12:00	EPA 8270E SIM	Q-30
Naphthalene	ND	0.0385	0.0769	ug/L	1	10/06/22 12:00	EPA 8270E SIM	Q-30
Phenanthrene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Pyrene	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	
Dibenzofuran	ND	0.0192	0.0385	ug/L	1	10/06/22 12:00	EPA 8270E SIM	Q-30

Surrogate: 2-Fluorobiphenyl (Surr) *Recovery: 74 %* *Limits: 44-120 %* *1* *10/06/22 12:00* *EPA 8270E SIM*

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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 503-718-2323
 ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF2-092822-94 (A210865-11)			Matrix: Water			Batch: 22J0158		
<i>Surrogate: p-Terphenyl-d14 (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 50-134 %</i>		<i>1</i>		<i>10/06/22 12:00 EPA 8270E SIM</i>
GACF2-092822-94 (A210865-11RE1)			Matrix: Water			Batch: 22J0182		H-02
Acenaphthene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Acenaphthylene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Anthracene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Chrysene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Fluoranthene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Fluorene	ND	0.0571	0.0571	ug/L	1	10/07/22 00:11	EPA 8270E SIM	R-02
Indeno(1,2,3-cd)pyrene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0381	0.0762	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Naphthalene	ND	0.0381	0.0762	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Phenanthrene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Pyrene	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
Dibenzofuran	ND	0.0190	0.0381	ug/L	1	10/07/22 00:11	EPA 8270E SIM	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>		<i>10/07/22 00:11 EPA 8270E SIM</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>50-134 %</i>		<i>1</i>		<i>10/07/22 00:11 EPA 8270E SIM</i>

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Low Level Mercury by Cold Vapor Atomic Fluorescence (CVAf) by EPA 1631E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 2210939		
Mercury	ND	0.500	1.00	ng/L	1	09/30/22 14:14	EPA 1631E-LL	
NWI-092822-94 (A210865-03)				Matrix: Water		Batch: 2210939		
Mercury	ND	0.500	1.00	ng/L	1	09/30/22 14:19	EPA 1631E-LL	
TPI-092822-94 (A210865-06)				Matrix: Water		Batch: 2210939		
Mercury	ND	0.500	1.00	ng/L	1	09/30/22 14:55	EPA 1631E-LL	
PGAC-092822-94 (A210865-07)				Matrix: Water		Batch: 2210939		
Mercury	1.28	0.500	1.00	ng/L	1	09/30/22 15:00	EPA 1631E-LL	
GACM1-092822-94 (A210865-08)				Matrix: Water		Batch: 2210939		
Mercury	1.28	0.500	1.00	ng/L	1	09/30/22 15:05	EPA 1631E-LL	
GACM2-092822-94 (A210865-09)				Matrix: Water		Batch: 2210939		
Mercury	11.1	0.500	1.00	ng/L	1	09/30/22 15:10	EPA 1631E-LL	
GACF1-092822-94 (A210865-10)				Matrix: Water		Batch: 2210939		
Mercury	0.915	0.500	1.00	ng/L	1	09/30/22 15:15	EPA 1631E-LL	J
GACF2-092822-94 (A210865-11)				Matrix: Water		Batch: 2210939		
Mercury	1.95	0.500	1.00	ng/L	1	09/30/22 15:20	EPA 1631E-LL	

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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:00	EPA 6020B	
Iron	33100	25.0	50.0	ug/L	1	10/05/22 00:00	EPA 6020B	
SE-092822-94 (A210865-02) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:05	EPA 6020B	
Iron	34100	25.0	50.0	ug/L	1	10/05/22 00:05	EPA 6020B	
NWI-092822-94 (A210865-03) Matrix: Water								
Batch: 22J0071								
Copper	1.59	1.00	2.00	ug/L	1	10/05/22 00:11	EPA 6020B	J
NWI-092822-94 (A210865-03RE1) Matrix: Water								
Batch: 22J0071								
Iron	87500	250	500	ug/L	10	10/05/22 12:14	EPA 6020B	
NWE-092822-94 (A210865-04) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:16	EPA 6020B	
NWE-092822-94 (A210865-04RE1) Matrix: Water								
Batch: 22J0071								
Iron	67600	250	500	ug/L	10	10/05/22 12:19	EPA 6020B	
TWE-092822-94 (A210865-05) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:21	EPA 6020B	
TWE-092822-94 (A210865-05RE1) Matrix: Water								
Batch: 22J0071								
Iron	62500	250	500	ug/L	10	10/05/22 12:24	EPA 6020B	
TPI-092822-94 (A210865-06) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:26	EPA 6020B	

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TPI-092822-94 (A210865-06) Matrix: Water								
Iron	55400	25.0	50.0	ug/L	1	10/05/22 00:26	EPA 6020B	
PGAC-092822-94 (A210865-07) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:42	EPA 6020B	
Iron	188	25.0	50.0	ug/L	1	10/05/22 00:42	EPA 6020B	
GACM1-092822-94 (A210865-08) Matrix: Water								
Batch: 22J0071								
Copper	3.05	1.00	2.00	ug/L	1	10/05/22 00:47	EPA 6020B	
Iron	132	25.0	50.0	ug/L	1	10/05/22 00:47	EPA 6020B	
GACM2-092822-94 (A210865-09) Matrix: Water								
Batch: 22J0071								
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:52	EPA 6020B	
Iron	79.5	25.0	50.0	ug/L	1	10/05/22 00:52	EPA 6020B	
GACF1-092822-94 (A210865-10) Matrix: Water								
Batch: 22J0071								
Arsenic	1.23	0.500	1.00	ug/L	1	10/05/22 00:57	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	10/05/22 00:57	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	10/05/22 00:57	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	10/05/22 00:57	EPA 6020B	
Iron	219	25.0	50.0	ug/L	1	10/05/22 00:57	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	10/05/22 00:57	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	10/05/22 00:57	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	10/05/22 00:57	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	10/05/22 00:57	EPA 6020B	
GACF1-092822-94 (A210865-10RE1) Matrix: Water								
Batch: 22J0071								
Barium	12.0	1.00	2.00	ug/L	1	10/05/22 20:11	EPA 6020B	
GACF2-092822-94 (A210865-11) Matrix: Water								
Batch: 22J0071								

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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF2-092822-94 (A210865-11)				Matrix: Water				
Arsenic	1.58	0.500	1.00	ug/L	1	10/05/22 01:02	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	10/05/22 01:02	EPA 6020B	
Chromium	ND	1.00	2.00	ug/L	1	10/05/22 01:02	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	10/05/22 01:02	EPA 6020B	
Iron	170	25.0	50.0	ug/L	1	10/05/22 01:02	EPA 6020B	
Lead	ND	0.110	0.200	ug/L	1	10/05/22 01:02	EPA 6020B	
Mercury	ND	0.0400	0.0800	ug/L	1	10/05/22 01:02	EPA 6020B	
Selenium	ND	0.500	1.00	ug/L	1	10/05/22 01:02	EPA 6020B	
Silver	ND	0.100	0.200	ug/L	1	10/05/22 01:02	EPA 6020B	
GACF2-092822-94 (A210865-11RE1)				Matrix: Water				
Batch: 22J0071								
Barium	14.9	1.00	2.00	ug/L	1	10/05/22 20:16	EPA 6020B	

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ANALYTICAL SAMPLE RESULTS

HEM (Oil and Grease) and SGT-HEM by EPA 1664B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SI-092822-94 (A210865-01)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4720	4720	ug/L	1	10/10/22 16:03	EPA 1664B	
SE-092822-94 (A210865-02)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4720	4720	ug/L	1	10/10/22 16:03	EPA 1664B	PRES
NWI-092822-94 (A210865-03)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4810	4810	ug/L	1	10/10/22 16:03	EPA 1664B	
NWE-092822-94 (A210865-04)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4720	4720	ug/L	1	10/10/22 16:03	EPA 1664B	PRES
TWE-092822-94 (A210865-05)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4850	4850	ug/L	1	10/10/22 16:03	EPA 1664B	PRES
TPI-092822-94 (A210865-06)				Matrix: Water		Batch: 22J0072		
HEM (Oil and Grease)	ND	4810	4810	ug/L	1	10/10/22 16:03	EPA 1664B	PRES

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ANALYTICAL SAMPLE RESULTS

Total Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
				Matrix: Water		Batch: 2210968		
SI-092822-94 (A210865-01)								
Total Cyanide	171	12.5	25.0	ug/L	5	09/30/22 16:53	D7511-12	
				Matrix: Water		Batch: 2210968		
SE-092822-94 (A210865-02)								
Total Cyanide	201	12.5	25.0	ug/L	5	09/30/22 16:55	D7511-12	
				Matrix: Water		Batch: 2210968		
NWI-092822-94 (A210865-03)								
Total Cyanide	125	12.5	25.0	ug/L	5	09/30/22 17:05	D7511-12	
				Matrix: Water		Batch: 2210968		
NWE-092822-94 (A210865-04)								
Total Cyanide	142	12.5	25.0	ug/L	5	09/30/22 17:07	D7511-12	
				Matrix: Water		Batch: 2210968		
TWE-092822-94 (A210865-05)								
Total Cyanide	142	12.5	25.0	ug/L	5	09/30/22 17:11	D7511-12	
				Matrix: Water		Batch: 2210968		
TPI-092822-94 (A210865-06)								
Total Cyanide	164	12.5	25.0	ug/L	5	09/30/22 17:13	D7511-12	
				Matrix: Water		Batch: 2210968		
PGAC-092822-94 (A210865-07)								
Total Cyanide	89.3	12.5	25.0	ug/L	5	09/30/22 17:17	D7511-12	
				Matrix: Water		Batch: 2210968		
GACM1-092822-94 (A210865-08)								
Total Cyanide	146	12.5	25.0	ug/L	5	09/30/22 17:19	D7511-12	
				Matrix: Water		Batch: 2210968		
GACM2-092822-94 (A210865-09)								
Total Cyanide	82.8	12.5	25.0	ug/L	5	09/30/22 17:23	D7511-12	
				Matrix: Water		Batch: 2210968		
GACF1-092822-94 (A210865-10)								
Total Cyanide	141	12.5	25.0	ug/L	5	09/30/22 17:25	D7511-12	
				Matrix: Water		Batch: 2210968		
GACF2-092822-94 (A210865-11)								
Total Cyanide	82.8	12.5	25.0	ug/L	5	09/30/22 17:41	D7511-12	

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ANALYTICAL SAMPLE RESULTS

Available Cyanide by FIA, Ligand Exchange and Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10)				Matrix: Water		Batch: 22J0075		
Available Cyanide	8.87	1.00	2.00	ug/L	1	10/05/22 10:48	D6888-09	
GACF2-092822-94 (A210865-11)				Matrix: Water		Batch: 22J0075		
Available Cyanide	4.53	1.00	2.00	ug/L	1	10/05/22 10:50	D6888-09	

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ANALYTICAL SAMPLE RESULTS

Free Cyanide Analysis Utilizing Gas Diffusion and Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GACF1-092822-94 (A210865-10)				Matrix: Water		Batch: 22J0033		
Free Cyanide	5.56	2.50	5.00	ug/L	1	10/03/22 15:28	D7237-15A	H-01
GACF2-092822-94 (A210865-11)				Matrix: Water		Batch: 22J0033		
Free Cyanide	3.27	2.50	5.00	ug/L	1	10/03/22 15:32	D7237-15A	J, H-01

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
TPI-092822-94 (A210865-06)				Matrix: Water					
Batch: 2210969									
Total Suspended Solids	400000	16700	16700	ug/L	1	09/29/22 12:18	SM 2540 D		
GACF1-092822-94 (A210865-10)				Matrix: Water					
Batch: 2210969									
Total Suspended Solids	ND	1000	1000	ug/L	1	09/29/22 12:18	SM 2540 D	SL-1	
GACF2-092822-94 (A210865-11)				Matrix: Water					
Batch: 2210969									
Total Suspended Solids	ND	1000	1000	ug/L	1	09/29/22 12:18	SM 2540 D	SL-1	

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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 2210993 - EPA 5030C						Water						
Blank (2210993-BLK1)			Prepared: 09/29/22 08:40 Analyzed: 09/30/22 01:44									
<u>EPA 8260D</u>												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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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 2210993 - EPA 5030C						Water						
Blank (2210993-BLK1)			Prepared: 09/29/22 08:40 Analyzed: 09/30/22 01:44									
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) Recovery: 97% Limits: 80-120% Dilution: 1x

Apex Laboratories

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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 -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

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 2210993 - EPA 5030C						Water						
Blank (2210993-BLK1)						Prepared: 09/29/22 08:40 Analyzed: 09/30/22 01:44						
<i>Surr: Toluene-d8 (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
LCS (2210993-BS1)						Prepared: 09/29/22 08:40 Analyzed: 09/30/22 00:59						
EPA 8260D												
Acetone	40.3	10.0	20.0	ug/L	1	40.0	---	101	80-120%	---	---	ICV-01
Acrylonitrile	18.2	1.00	2.00	ug/L	1	20.0	---	91	80-120%	---	---	
Benzene	19.8	0.100	0.200	ug/L	1	20.0	---	99	80-120%	---	---	
Bromobenzene	18.1	0.250	0.500	ug/L	1	20.0	---	90	80-120%	---	---	
Bromochloromethane	22.3	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
Bromodichloromethane	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
Bromoform	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
Bromomethane	34.9	5.00	5.00	ug/L	1	20.0	---	174	80-120%	---	---	Q-56
2-Butanone (MEK)	37.8	5.00	10.0	ug/L	1	40.0	---	95	80-120%	---	---	
n-Butylbenzene	20.9	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
sec-Butylbenzene	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
tert-Butylbenzene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Carbon disulfide	22.1	5.00	10.0	ug/L	1	20.0	---	110	80-120%	---	---	
Carbon tetrachloride	24.3	0.500	1.00	ug/L	1	20.0	---	122	80-120%	---	---	Q-56
Chlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Chloroethane	36.6	5.00	5.00	ug/L	1	20.0	---	183	80-120%	---	---	Q-56
Chloroform	22.1	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Chloromethane	18.1	2.50	5.00	ug/L	1	20.0	---	90	80-120%	---	---	
2-Chlorotoluene	18.8	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
4-Chlorotoluene	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Dibromochloromethane	22.4	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,2-Dibromo-3-chloropropane	16.9	2.50	5.00	ug/L	1	20.0	---	84	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Dibromomethane	20.3	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,2-Dichlorobenzene	19.4	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
1,3-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,4-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Dichlorodifluoromethane	20.5	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,1-Dichloroethane	21.6	0.200	0.400	ug/L	1	20.0	---	108	80-120%	---	---	

Apex Laboratories

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc.	Project: Gasco -- Monthly (2022)	
2749 Lockport Road	Project Number: 000029-02-20-2	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A210865 - 10 28 22 0553

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 2210993 - EPA 5030C						Water						
LCS (2210993-BS1)			Prepared: 09/29/22 08:40 Analyzed: 09/30/22 00:59									
1,2-Dichloroethane (EDC)	22.7	0.200	0.400	ug/L	1	20.0	---	114	80-120%	---	---	
1,1-Dichloroethene	23.8	0.200	0.400	ug/L	1	20.0	---	119	80-120%	---	---	
cis-1,2-Dichloroethene	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
trans-1,2-Dichloroethene	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,2-Dichloropropane	20.1	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,3-Dichloropropane	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
2,2-Dichloropropane	18.9	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,1-Dichloropropene	20.7	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
cis-1,3-Dichloropropene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
trans-1,3-Dichloropropene	21.7	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Ethylbenzene	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Hexachlorobutadiene	19.9	2.50	5.00	ug/L	1	20.0	---	100	80-120%	---	---	
2-Hexanone	36.1	5.00	10.0	ug/L	1	40.0	---	90	80-120%	---	---	
Isopropylbenzene	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
4-Isopropyltoluene	20.4	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Methylene chloride	20.2	5.00	10.0	ug/L	1	20.0	---	101	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	39.1	5.00	10.0	ug/L	1	40.0	---	98	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	18.9	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
Naphthalene	17.1	1.00	2.00	ug/L	1	20.0	---	85	80-120%	---	---	
n-Propylbenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Styrene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.4	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
1,1,2,2-Tetrachloroethane	20.6	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	21.4	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
Toluene	20.3	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,2,3-Trichlorobenzene	18.4	1.00	2.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2,4-Trichlorobenzene	17.1	1.00	2.00	ug/L	1	20.0	---	85	80-120%	---	---	
1,1,1-Trichloroethane	22.9	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
1,1,2-Trichloroethane	20.7	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Trichloroethene (TCE)	18.5	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
Trichlorofluoromethane	26.4	1.00	2.00	ug/L	1	20.0	---	132	80-120%	---	---	Q-56
1,2,3-Trichloropropane	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2,4-Trimethylbenzene	20.3	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,3,5-Trimethylbenzene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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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 2210993 - EPA 5030C												
Water												
LCS (2210993-BS1)												
						Prepared: 09/29/22 08:40 Analyzed: 09/30/22 00:59						
Vinyl chloride	22.9	0.200	0.400	ug/L	1	20.0	---	115	80-120%	---	---	
m,p-Xylene	43.5	0.500	1.00	ug/L	1	40.0	---	109	80-120%	---	---	
o-Xylene	19.4	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>92 %</i>		<i>80-120 %</i>		<i>"</i>						

Duplicate (2210993-DUP1)												
						Prepared: 09/29/22 13:40 Analyzed: 09/30/22 02:28						
QC Source Sample: Non-SDG (A210870-01)												
Acetone	18.9	10.0	20.0	ug/L	1	---	20.8	---	---	9	30%	ICV-01, J
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	0.720	0.500	1.00	ug/L	1	---	0.630	---	---	13	30%	J
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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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 2210993 - EPA 5030C							Water					
Duplicate (2210993-DUP1)			Prepared: 09/29/22 13:40 Analyzed: 09/30/22 02:28									
QC Source Sample: Non-SDG (A210870-01)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

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 2210993 - EPA 5030C												
Water												
Duplicate (2210993-DUP1)												
Prepared: 09/29/22 13:40 Analyzed: 09/30/22 02:28												
QC Source Sample: Non-SDG (A210870-01)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 97% Limits: 80-120% Dilution: 1x												
Toluene-d8 (Surr) 103% 80-120% "												
4-Bromofluorobenzene (Surr) 99% 80-120% "												

Matrix Spike (2210993-MS1)												
Prepared: 09/29/22 13:40 Analyzed: 09/30/22 03:57												
QC Source Sample: GACM1-092822-94 (A210865-08)												
EPA 8260D												
Acetone	44.3	10.0	20.0	ug/L	1	40.0	ND	111	39-160%	---	---	ICV-01
Acrylonitrile	18.0	1.00	2.00	ug/L	1	20.0	ND	90	63-135%	---	---	
Benzene	19.9	0.100	0.200	ug/L	1	20.0	0.500	97	79-120%	---	---	
Bromobenzene	17.4	0.250	0.500	ug/L	1	20.0	ND	87	80-120%	---	---	
Bromochloromethane	21.9	0.500	1.00	ug/L	1	20.0	ND	110	78-123%	---	---	
Bromodichloromethane	46.3	0.500	1.00	ug/L	1	20.0	24.5	109	79-125%	---	---	
Bromoform	22.6	0.500	1.00	ug/L	1	20.0	1.24	107	66-130%	---	---	
Bromomethane	35.5	5.00	5.00	ug/L	1	20.0	ND	178	53-141%	---	---	Q-54b
2-Butanone (MEK)	36.8	5.00	10.0	ug/L	1	40.0	ND	92	56-143%	---	---	
n-Butylbenzene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	75-128%	---	---	
sec-Butylbenzene	21.0	0.500	1.00	ug/L	1	20.0	ND	105	77-126%	---	---	
tert-Butylbenzene	19.5	0.500	1.00	ug/L	1	20.0	ND	97	78-124%	---	---	
Carbon disulfide	22.5	5.00	10.0	ug/L	1	20.0	ND	112	64-133%	---	---	
Carbon tetrachloride	25.1	0.500	1.00	ug/L	1	20.0	ND	126	72-136%	---	---	Q-54a
Chlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
Chloroethane	37.1	5.00	5.00	ug/L	1	20.0	ND	185	60-138%	---	---	Q-54c
Chloroform	131	0.500	1.00	ug/L	1	20.0	118	68	79-124%	---	---	Q-03
Chloromethane	17.8	2.50	5.00	ug/L	1	20.0	ND	89	50-139%	---	---	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

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 2210993 - EPA 5030C						Water						
Matrix Spike (2210993-MS1)			Prepared: 09/29/22 13:40 Analyzed: 09/30/22 03:57									
QC Source Sample: GACM1-092822-94 (A210865-08)												
2-Chlorotoluene	18.0	0.500	1.00	ug/L	1	20.0	ND	90	79-122%	---	---	
4-Chlorotoluene	18.6	0.500	1.00	ug/L	1	20.0	ND	93	78-122%	---	---	
Dibromochloromethane	27.8	0.500	1.00	ug/L	1	20.0	5.82	110	74-126%	---	---	
1,2-Dibromo-3-chloropropane	17.6	2.50	5.00	ug/L	1	20.0	ND	88	62-128%	---	---	
1,2-Dibromoethane (EDB)	19.4	0.250	0.500	ug/L	1	20.0	ND	97	77-121%	---	---	
Dibromomethane	20.2	0.500	1.00	ug/L	1	20.0	ND	101	79-123%	---	---	
1,2-Dichlorobenzene	19.0	0.250	0.500	ug/L	1	20.0	ND	95	80-120%	---	---	
1,3-Dichlorobenzene	19.1	0.250	0.500	ug/L	1	20.0	ND	96	80-120%	---	---	
1,4-Dichlorobenzene	19.4	0.250	0.500	ug/L	1	20.0	ND	97	79-120%	---	---	
Dichlorodifluoromethane	21.9	0.500	1.00	ug/L	1	20.0	ND	110	32-152%	---	---	
1,1-Dichloroethane	21.3	0.200	0.400	ug/L	1	20.0	ND	107	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.2	0.200	0.400	ug/L	1	20.0	ND	111	73-128%	---	---	
1,1-Dichloroethene	24.4	0.200	0.400	ug/L	1	20.0	ND	122	71-131%	---	---	
cis-1,2-Dichloroethene	20.4	0.200	0.400	ug/L	1	20.0	0.400	100	78-123%	---	---	
trans-1,2-Dichloroethene	21.0	0.200	0.400	ug/L	1	20.0	ND	105	75-124%	---	---	
1,2-Dichloropropane	19.7	0.250	0.500	ug/L	1	20.0	ND	99	78-122%	---	---	
1,3-Dichloropropane	19.1	0.500	1.00	ug/L	1	20.0	ND	95	80-120%	---	---	
2,2-Dichloropropane	18.5	0.500	1.00	ug/L	1	20.0	ND	92	60-139%	---	---	
1,1-Dichloropropene	20.8	0.500	1.00	ug/L	1	20.0	ND	104	79-125%	---	---	
cis-1,3-Dichloropropene	17.3	0.500	1.00	ug/L	1	20.0	ND	87	75-124%	---	---	
trans-1,3-Dichloropropene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	73-127%	---	---	
Ethylbenzene	20.8	0.250	0.500	ug/L	1	20.0	0.250	103	79-121%	---	---	
Hexachlorobutadiene	20.4	2.50	5.00	ug/L	1	20.0	ND	102	66-134%	---	---	
2-Hexanone	35.0	5.00	10.0	ug/L	1	40.0	ND	88	57-139%	---	---	
Isopropylbenzene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	72-131%	---	---	
4-Isopropyltoluene	20.0	0.500	1.00	ug/L	1	20.0	ND	100	77-127%	---	---	
Methylene chloride	19.8	5.00	10.0	ug/L	1	20.0	ND	99	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	38.1	5.00	10.0	ug/L	1	40.0	ND	95	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	19.5	0.500	1.00	ug/L	1	20.0	0.640	94	71-124%	---	---	
Naphthalene	19.6	1.00	2.00	ug/L	1	20.0	ND	98	61-128%	---	---	
n-Propylbenzene	20.1	0.250	0.500	ug/L	1	20.0	ND	101	76-126%	---	---	
Styrene	ND	0.500	1.00	ug/L	1	20.0	ND		78-123%	---	---	Q-01
1,1,1,2-Tetrachloroethane	19.7	0.200	0.400	ug/L	1	20.0	ND	99	78-124%	---	---	

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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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 2210993 - EPA 5030C						Water						
Matrix Spike (2210993-MS1)			Prepared: 09/29/22 13:40 Analyzed: 09/30/22 03:57									
QC Source Sample: GACM1-092822-94 (A210865-08)												
1,1,2,2-Tetrachloroethane	20.4	0.250	0.500	ug/L	1	20.0	ND	102	71-121%	---	---	
Tetrachloroethene (PCE)	21.0	0.200	0.400	ug/L	1	20.0	ND	105	74-129%	---	---	
Toluene	19.9	0.250	0.500	ug/L	1	20.0	ND	99	80-121%	---	---	
1,2,3-Trichlorobenzene	19.0	1.00	2.00	ug/L	1	20.0	ND	95	69-129%	---	---	
1,2,4-Trichlorobenzene	18.3	1.00	2.00	ug/L	1	20.0	ND	91	69-130%	---	---	
1,1,1-Trichloroethane	22.9	0.200	0.400	ug/L	1	20.0	ND	114	74-131%	---	---	
1,1,2-Trichloroethane	19.6	0.250	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
Trichloroethene (TCE)	18.1	0.200	0.400	ug/L	1	20.0	ND	91	79-123%	---	---	
Trichlorofluoromethane	27.4	1.00	2.00	ug/L	1	20.0	ND	137	65-141%	---	---	Q-54
1,2,3-Trichloropropane	19.2	0.500	1.00	ug/L	1	20.0	ND	96	73-122%	---	---	
1,2,4-Trimethylbenzene	19.7	0.500	1.00	ug/L	1	20.0	ND	98	76-124%	---	---	
1,3,5-Trimethylbenzene	16.0	0.500	1.00	ug/L	1	20.0	ND	80	75-124%	---	---	
Vinyl chloride	24.9	0.200	0.400	ug/L	1	20.0	0.800	121	58-137%	---	---	
m,p-Xylene	42.3	0.500	1.00	ug/L	1	40.0	ND	106	80-121%	---	---	
o-Xylene	19.1	0.250	0.500	ug/L	1	20.0	ND	95	78-122%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>92 %</i>		<i>80-120 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0158 - EPA 3510C (Acid Extraction)						Water						
Blank (22J0158-BLK1)			Prepared: 10/05/22 11:52 Analyzed: 10/05/22 18:40									
<u>EPA 8270E SIM</u>												
Acenaphthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	Q-30
2-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	Q-30
Naphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	Q-30
Phenanthrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	Q-30
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>71 %</i>		<i>50-134 %</i>		<i>"</i>						

LCS (22J0158-BS1)			Prepared: 10/05/22 11:52 Analyzed: 10/05/22 19:05									
<u>EPA 8270E SIM</u>												
Acenaphthene	4.07	0.0200	0.0400	ug/L	1	8.00	---	51	47-122%	---	---	
Acenaphthylene	4.41	0.0200	0.0400	ug/L	1	8.00	---	55	41-130%	---	---	
Anthracene	6.75	0.0200	0.0400	ug/L	1	8.00	---	84	57-123%	---	---	
Benz(a)anthracene	7.33	0.0200	0.0400	ug/L	1	8.00	---	92	58-125%	---	---	
Benzo(a)pyrene	7.80	0.0200	0.0400	ug/L	1	8.00	---	98	54-128%	---	---	
Benzo(b)fluoranthene	8.04	0.0200	0.0400	ug/L	1	8.00	---	101	53-131%	---	---	
Benzo(k)fluoranthene	8.09	0.0200	0.0400	ug/L	1	8.00	---	101	57-129%	---	---	
Benzo(g,h,i)perylene	6.45	0.0200	0.0400	ug/L	1	8.00	---	81	50-134%	---	---	
Chrysene	7.62	0.0200	0.0400	ug/L	1	8.00	---	95	59-123%	---	---	

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0158 - EPA 3510C (Acid Extraction)						Water						
LCS (22J0158-BS1)						Prepared: 10/05/22 11:52 Analyzed: 10/05/22 19:05						
Dibenz(a,h)anthracene	7.71	0.0200	0.0400	ug/L	1	8.00	---	96	51-134%	---	---	
Fluoranthene	8.13	0.0200	0.0400	ug/L	1	8.00	---	102	57-128%	---	---	
Fluorene	4.76	0.0200	0.0400	ug/L	1	8.00	---	59	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	7.28	0.0200	0.0400	ug/L	1	8.00	---	91	52-134%	---	---	
1-Methylnaphthalene	3.21	0.0400	0.0800	ug/L	1	8.00	---	40	41-120%	---	---	Q-30
2-Methylnaphthalene	3.08	0.0400	0.0800	ug/L	1	8.00	---	38	40-121%	---	---	Q-30
Naphthalene	3.42	0.0400	0.0800	ug/L	1	8.00	---	43	40-121%	---	---	
Phenanthrene	6.33	0.0200	0.0400	ug/L	1	8.00	---	79	59-120%	---	---	
Pyrene	8.21	0.0200	0.0400	ug/L	1	8.00	---	103	57-126%	---	---	
Dibenzofuran	4.39	0.0200	0.0400	ug/L	1	8.00	---	55	53-120%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>71 %</i>		<i>50-134 %</i>		<i>"</i>						

LCS Dup (22J0158-BSD1)						Prepared: 10/05/22 11:52 Analyzed: 10/05/22 19:30							Q-19
EPA 8270E SIM													
Acenaphthene	3.80	0.0200	0.0400	ug/L	1	8.00	---	48	47-122%	7	30%		
Acenaphthylene	4.16	0.0200	0.0400	ug/L	1	8.00	---	52	41-130%	6	30%		
Anthracene	6.50	0.0200	0.0400	ug/L	1	8.00	---	81	57-123%	4	30%		
Benz(a)anthracene	7.21	0.0200	0.0400	ug/L	1	8.00	---	90	58-125%	2	30%		
Benzo(a)pyrene	7.66	0.0200	0.0400	ug/L	1	8.00	---	96	54-128%	2	30%		
Benzo(b)fluoranthene	8.03	0.0200	0.0400	ug/L	1	8.00	---	100	53-131%	0.2	30%		
Benzo(k)fluoranthene	7.89	0.0200	0.0400	ug/L	1	8.00	---	99	57-129%	2	30%		
Benzo(g,h,i)perylene	6.32	0.0200	0.0400	ug/L	1	8.00	---	79	50-134%	2	30%		
Chrysene	7.47	0.0200	0.0400	ug/L	1	8.00	---	93	59-123%	2	30%		
Dibenz(a,h)anthracene	7.97	0.0200	0.0400	ug/L	1	8.00	---	100	51-134%	3	30%		
Fluoranthene	7.63	0.0200	0.0400	ug/L	1	8.00	---	95	57-128%	6	30%		
Fluorene	4.43	0.0200	0.0400	ug/L	1	8.00	---	55	52-124%	7	30%		
Indeno(1,2,3-cd)pyrene	7.04	0.0200	0.0400	ug/L	1	8.00	---	88	52-134%	3	30%		
1-Methylnaphthalene	2.90	0.0400	0.0800	ug/L	1	8.00	---	36	41-120%	10	30%	Q-30	
2-Methylnaphthalene	2.79	0.0400	0.0800	ug/L	1	8.00	---	35	40-121%	10	30%	Q-30	
Naphthalene	3.11	0.0400	0.0800	ug/L	1	8.00	---	39	40-121%	10	30%	Q-30	
Phenanthrene	6.02	0.0200	0.0400	ug/L	1	8.00	---	75	59-120%	5	30%		
Pyrene	7.89	0.0200	0.0400	ug/L	1	8.00	---	99	57-126%	4	30%		
Dibenzofuran	4.06	0.0200	0.0400	ug/L	1	8.00	---	51	53-120%	8	30%	Q-30	

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0158 - EPA 3510C (Acid Extraction)						Water						
LCS Dup (22J0158-BSD1)			Prepared: 10/05/22 11:52				Analyzed: 10/05/22 19:30				Q-19	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>			<i>Recovery: 57 %</i>	<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>			<i>77 %</i>	<i>50-134 %</i>								

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Sevenson Environmental Services, Inc.	Project: Gasco -- Monthly (2022)	
2749 Lockport Road	Project Number: 000029-02-20-2	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A210865 - 10 28 22 0553

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0182 - EPA 3510C (Acid Extraction)						Water						
Blank (22J0182-BLK1)			Prepared: 10/06/22 07:03 Analyzed: 10/06/22 15:46									
<u>EPA 8270E SIM</u>												
Acenaphthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>107 %</i>		<i>50-134 %</i>		<i>"</i>						

LCS (22J0182-BS1)			Prepared: 10/06/22 07:03 Analyzed: 10/06/22 16:11									
<u>EPA 8270E SIM</u>												
Acenaphthene	8.12	0.0200	0.0400	ug/L	1	8.00	---	102	47-122%	---	---	
Acenaphthylene	7.95	0.0200	0.0400	ug/L	1	8.00	---	99	41-130%	---	---	
Anthracene	8.49	0.0200	0.0400	ug/L	1	8.00	---	106	57-123%	---	---	
Benz(a)anthracene	8.67	0.0200	0.0400	ug/L	1	8.00	---	108	58-125%	---	---	
Benzo(a)pyrene	9.37	0.0200	0.0400	ug/L	1	8.00	---	117	54-128%	---	---	
Benzo(b)fluoranthene	9.56	0.0200	0.0400	ug/L	1	8.00	---	120	53-131%	---	---	
Benzo(k)fluoranthene	9.55	0.0200	0.0400	ug/L	1	8.00	---	119	57-129%	---	---	
Benzo(g,h,i)perylene	8.07	0.0200	0.0400	ug/L	1	8.00	---	101	50-134%	---	---	
Chrysene	9.02	0.0200	0.0400	ug/L	1	8.00	---	113	59-123%	---	---	

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ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0182 - EPA 3510C (Acid Extraction)						Water						
LCS (22J0182-BS1)			Prepared: 10/06/22 07:03 Analyzed: 10/06/22 16:11									
Dibenz(a,h)anthracene	8.90	0.0200	0.0400	ug/L	1	8.00	---	111	51-134%	---	---	
Fluoranthene	8.67	0.0200	0.0400	ug/L	1	8.00	---	108	57-128%	---	---	
Fluorene	7.99	0.0200	0.0400	ug/L	1	8.00	---	100	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	8.76	0.0200	0.0400	ug/L	1	8.00	---	109	52-134%	---	---	
1-Methylnaphthalene	7.37	0.0400	0.0800	ug/L	1	8.00	---	92	41-120%	---	---	
2-Methylnaphthalene	7.22	0.0400	0.0800	ug/L	1	8.00	---	90	40-121%	---	---	
Naphthalene	7.28	0.0400	0.0800	ug/L	1	8.00	---	91	40-121%	---	---	
Phenanthrene	8.48	0.0200	0.0400	ug/L	1	8.00	---	106	59-120%	---	---	
Pyrene	8.59	0.0200	0.0400	ug/L	1	8.00	---	107	57-126%	---	---	
Dibenzofuran	8.00	0.0200	0.0400	ug/L	1	8.00	---	100	53-120%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>50-134 %</i>		"						

LCS Dup (22J0182-BSD1)			Prepared: 10/06/22 07:03 Analyzed: 10/06/22 16:37								Q-19	
EPA 8270E SIM												
Acenaphthene	7.61	0.0200	0.0400	ug/L	1	8.00	---	95	47-122%	7	30%	
Acenaphthylene	7.60	0.0200	0.0400	ug/L	1	8.00	---	95	41-130%	4	30%	
Anthracene	8.23	0.0200	0.0400	ug/L	1	8.00	---	103	57-123%	3	30%	
Benz(a)anthracene	8.35	0.0200	0.0400	ug/L	1	8.00	---	104	58-125%	4	30%	
Benzo(a)pyrene	9.00	0.0200	0.0400	ug/L	1	8.00	---	112	54-128%	4	30%	
Benzo(b)fluoranthene	9.21	0.0200	0.0400	ug/L	1	8.00	---	115	53-131%	4	30%	
Benzo(k)fluoranthene	9.16	0.0200	0.0400	ug/L	1	8.00	---	115	57-129%	4	30%	
Benzo(g,h,i)perylene	7.79	0.0200	0.0400	ug/L	1	8.00	---	97	50-134%	3	30%	
Chrysene	8.53	0.0200	0.0400	ug/L	1	8.00	---	107	59-123%	6	30%	
Dibenz(a,h)anthracene	9.25	0.0200	0.0400	ug/L	1	8.00	---	116	51-134%	4	30%	
Fluoranthene	8.10	0.0200	0.0400	ug/L	1	8.00	---	101	57-128%	7	30%	
Fluorene	7.64	0.0200	0.0400	ug/L	1	8.00	---	96	52-124%	4	30%	
Indeno(1,2,3-cd)pyrene	8.23	0.0200	0.0400	ug/L	1	8.00	---	103	52-134%	6	30%	
1-Methylnaphthalene	7.08	0.0400	0.0800	ug/L	1	8.00	---	88	41-120%	4	30%	
2-Methylnaphthalene	6.88	0.0400	0.0800	ug/L	1	8.00	---	86	40-121%	5	30%	
Naphthalene	6.87	0.0400	0.0800	ug/L	1	8.00	---	86	40-121%	6	30%	
Phenanthrene	8.02	0.0200	0.0400	ug/L	1	8.00	---	100	59-120%	6	30%	
Pyrene	8.19	0.0200	0.0400	ug/L	1	8.00	---	102	57-126%	5	30%	
Dibenzofuran	7.60	0.0200	0.0400	ug/L	1	8.00	---	95	53-120%	5	30%	

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---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 22J0182 - EPA 3510C (Acid Extraction)						Water							
LCS Dup (22J0182-BSD1)			Prepared: 10/06/22 07:03 Analyzed: 10/06/22 16:37						Q-19				
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>							
<i>p-Terphenyl-d14 (Surr)</i>		<i>102 %</i>		<i>50-134 %</i>		<i>"</i>							

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QUALITY CONTROL (QC) SAMPLE RESULTS

Low Level Mercury by Cold Vapor Atomic Fluorescence (CVAf) by EPA 1631E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210939 - 1631E Mercury (H2O)						Water						
Blank (2210939-BLK1)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 13:34						
<u>EPA 1631E-LL</u>												
Mercury	ND	0.500	1.00	ng/L	1	---	---	---	---	---	---	
Blank (2210939-BLK2)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 13:39						
<u>EPA 1631E-LL</u>												
Mercury	ND	0.500	1.00	ng/L	1	---	---	---	---	---	---	
Blank (2210939-BLK3)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 13:44						
<u>EPA 1631E-LL</u>												
Mercury	ND	0.500	1.00	ng/L	1	---	---	---	---	---	---	
LCS (2210939-BS1)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 13:49						
<u>EPA 1631E-LL</u>												
Mercury	9.45	0.500	1.00	ng/L	1	8.00	---	118	80-120%	---	---	
Matrix Spike (2210939-MS1)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 13:59						
<u>QC Source Sample: Non-SDG (A210779-01)</u>												
<u>EPA 1631E-LL</u>												
Mercury	11.3	0.500	1.00	ng/L	1	8.00	1.80	119	75-125%	---	---	
Matrix Spike Dup (2210939-MSD1)						Prepared: 09/28/22 13:15 Analyzed: 09/30/22 14:04						
<u>QC Source Sample: Non-SDG (A210779-01)</u>												
Mercury	10.1	0.500	1.00	ng/L	1	8.00	1.80	104	75-125%	11	24%	

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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 22J0071 - EPA 3015A												
Water												
Blank (22J0071-BLK1) Prepared: 10/04/22 08:06 Analyzed: 10/04/22 23:24												
<u>EPA 6020B</u>												
Arsenic	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Copper	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Iron	ND	25.0	50.0	ug/L	1	---	---	---	---	---	---	
Lead	ND	0.110	0.200	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Selenium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Silver	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	

LCS (22J0071-BS1) Prepared: 10/04/22 08:06 Analyzed: 10/04/22 23:40												
<u>EPA 6020B</u>												
Arsenic	55.4	0.500	1.00	ug/L	1	55.6	---	100	80-120%	---	---	
Cadmium	53.6	0.100	0.200	ug/L	1	55.6	---	96	80-120%	---	---	
Chromium	53.0	1.00	2.00	ug/L	1	55.6	---	95	80-120%	---	---	
Copper	55.3	1.00	2.00	ug/L	1	55.6	---	100	80-120%	---	---	
Iron	2750	25.0	50.0	ug/L	1	2780	---	99	80-120%	---	---	
Lead	55.2	0.110	0.200	ug/L	1	55.6	---	99	80-120%	---	---	
Mercury	1.06	0.0400	0.0800	ug/L	1	1.11	---	96	80-120%	---	---	
Selenium	27.0	0.500	1.00	ug/L	1	27.8	---	97	80-120%	---	---	
Silver	29.3	0.100	0.200	ug/L	1	27.8	---	106	80-120%	---	---	

LCS (22J0071-BS2) Prepared: 10/04/22 08:06 Analyzed: 10/05/22 19:50												
<u>EPA 6020B</u>												
Barium	57.7	1.00	2.00	ug/L	1	55.6	---	104	80-120%	---	---	Q-16

Duplicate (22J0071-DUP1) Prepared: 10/04/22 08:06 Analyzed: 10/04/22 23:50												
<u>QC Source Sample: Non-SDG (A210861-11)</u>												
Arsenic	6.94	0.500	1.00	ug/L	1	---	7.03	---	---	1	20%	
Cadmium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	20%	
Copper	3.40	1.00	2.00	ug/L	1	---	3.48	---	---	2	20%	

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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 22J0071 - EPA 3015A						Water						
Duplicate (22J0071-DUP1)			Prepared: 10/04/22 08:06 Analyzed: 10/04/22 23:50									
<u>QC Source Sample: Non-SDG (A210861-11)</u>												
Iron	181	25.0	50.0	ug/L	1	---	181	---	---	0.3	20%	
Lead	0.183	0.110	0.200	ug/L	1	---	0.204	---	---	11	20%	J
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Selenium	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Silver	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Duplicate (22J0071-DUP2)			Prepared: 10/04/22 08:06 Analyzed: 10/05/22 20:01									
<u>QC Source Sample: Non-SDG (A210861-11RE1)</u>												
Barium	10.7	1.00	2.00	ug/L	1	---	10.7	---	---	0.3	20%	Q-16
Matrix Spike (22J0071-MS1)			Prepared: 10/04/22 08:06 Analyzed: 10/04/22 23:55									
<u>QC Source Sample: Non-SDG (A210861-11)</u>												
<u>EPA 6020B</u>												
Arsenic	64.5	0.500	1.00	ug/L	1	55.6	7.03	103	75-125%	---	---	
Cadmium	56.1	0.100	0.200	ug/L	1	55.6	ND	101	75-125%	---	---	
Chromium	53.6	1.00	2.00	ug/L	1	55.6	ND	96	75-125%	---	---	
Copper	57.4	1.00	2.00	ug/L	1	55.6	3.48	97	75-125%	---	---	
Iron	2930	25.0	50.0	ug/L	1	2780	181	99	75-125%	---	---	
Lead	53.0	0.110	0.200	ug/L	1	55.6	0.204	95	75-125%	---	---	
Mercury	1.05	0.0400	0.0800	ug/L	1	1.11	ND	94	75-125%	---	---	
Selenium	28.0	0.500	1.00	ug/L	1	27.8	ND	101	75-125%	---	---	
Silver	29.1	0.100	0.200	ug/L	1	27.8	ND	105	75-125%	---	---	
Matrix Spike (22J0071-MS2)			Prepared: 10/04/22 08:06 Analyzed: 10/05/22 20:06									
<u>QC Source Sample: Non-SDG (A210861-11RE1)</u>												
<u>EPA 6020B</u>												
Barium	68.5	1.00	2.00	ug/L	1	55.6	10.7	104	75-125%	---	---	Q-16

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QUALITY CONTROL (QC) SAMPLE RESULTS

HEM (Oil and Grease) and SGT-HEM by EPA 1664B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0072 - EPA 1664B						Water						
Blank (22J0072-BLK1)			Prepared: 10/04/22 08:07 Analyzed: 10/10/22 16:03									
<u>EPA 1664B</u>												
HEM (Oil and Grease)	ND	4550	4550	ug/L	1	---	---	---	---	---	---	
LCS (22J0072-BS1)			Prepared: 10/04/22 08:07 Analyzed: 10/10/22 16:03									
<u>EPA 1664B</u>												
HEM (Oil and Grease)	32.8			mg/L	1	40.0	---	82	78-114%	---	---	
Matrix Spike (22J0072-MS1)			Prepared: 10/04/22 08:07 Analyzed: 10/10/22 16:21									
<u>QC Source Sample: Non-SDG (A210963-01)</u>												
<u>EPA 1664B</u>												
HEM (Oil and Grease)	229			mg/L	1	41.7	ND	265	78-114%	---	---	Q-03

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total 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 2210968 - ASTM D7511-12 (W)						Water						
Blank (2210968-BLK1)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 16:33									
<u>D7511-12</u>												
Total Cyanide	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
LCS (2210968-BS1)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 16:35									
<u>D7511-12</u>												
Total Cyanide	26.4	2.50	5.00	ug/L	1	25.0	---	106	84-116%	---	---	
Matrix Spike (2210968-MS1)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 16:45									
<u>QC Source Sample: Non-SDG (A210743-01)</u>												
<u>D7511-12</u>												
Total Cyanide	25.6	2.51	5.03	ug/L	1	25.1	ND	102	64-136%	---	---	
Matrix Spike (2210968-MS2)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 17:29									
<u>QC Source Sample: GACF1-092822-94 (A210865-10)</u>												
<u>D7511-12</u>												
Total Cyanide	254	12.5	25.0	ug/L	5	125	141	90	64-136%	---	---	E
Matrix Spike Dup (2210968-MSD1)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 16:47									
<u>QC Source Sample: Non-SDG (A210743-01)</u>												
Total Cyanide	26.5	2.51	5.03	ug/L	1	25.1	ND	105	64-136%	4	47%	
Matrix Spike Dup (2210968-MSD2)			Prepared: 09/29/22 09:35 Analyzed: 09/30/22 17:31									
<u>QC Source Sample: GACF1-092822-94 (A210865-10)</u>												
<u>D7511-12</u>												
Total Cyanide	264	12.5	25.0	ug/L	5	125	141	99	64-136%	4	47%	E

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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QUALITY CONTROL (QC) SAMPLE RESULTS

Available Cyanide by FIA, Ligand Exchange and Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0075 - Method Prep: Aq						Water						
Blank (22J0075-BLK1)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 10:18						
<u>D6888-09</u>												
Available Cyanide	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
LCS (22J0075-BS1)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 10:20						
<u>D6888-09</u>												
Available Cyanide	25.9	1.00	2.00	ug/L	1	25.0	---	104	90-117%	---	---	
Matrix Spike (22J0075-MS1)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 10:29						
<u>QC Source Sample: Non-SDG (A210857-04)</u>												
<u>D6888-09</u>												
Available Cyanide	20.8	1.01	2.01	ug/L	1	25.1	ND	83	82-130%	---	---	
Matrix Spike (22J0075-MS2)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 11:05						
<u>QC Source Sample: Non-SDG (A210903-05)</u>												
<u>D6888-09</u>												
Available Cyanide	24.3	1.01	2.01	ug/L	1	25.1	ND	97	82-130%	---	---	
Matrix Spike Dup (22J0075-MSD1)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 10:30						
<u>QC Source Sample: Non-SDG (A210857-04)</u>												
Available Cyanide	22.1	1.01	2.01	ug/L	1	25.1	ND	88	82-130%	6	11%	
Matrix Spike Dup (22J0075-MSD2)						Prepared: 10/04/22 08:36 Analyzed: 10/05/22 11:06						
<u>QC Source Sample: Non-SDG (A210903-05)</u>												
Available Cyanide	25.7	1.01	2.01	ug/L	1	25.1	ND	102	82-130%	6	11%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Free Cyanide Analysis Utilizing Gas Diffusion and Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0033 - Method Prep: Aq						Water						
Blank (22J0033-BLK1)			Prepared: 10/03/22 10:50 Analyzed: 10/03/22 15:20									
<u>D7237-15A</u>												
Free Cyanide	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
LCS (22J0033-BS1)			Prepared: 10/03/22 10:50 Analyzed: 10/03/22 15:22									
<u>D7237-15A</u>												
Free Cyanide	23.9	2.50	5.00	ug/L	1	25.0	---	96	90-118%	---	---	
Matrix Spike (22J0033-MS1)			Prepared: 10/03/22 10:50 Analyzed: 10/03/22 15:29									
<u>QC Source Sample: GACF1-092822-94 (A210865-10)</u>												
<u>D7237-15A</u>												
Free Cyanide	28.8	2.51	5.03	ug/L	1	25.1	5.56	92	79-121%	---	---	
Matrix Spike Dup (22J0033-MSD1)			Prepared: 10/03/22 10:50 Analyzed: 10/03/22 15:31									
<u>QC Source Sample: GACF1-092822-94 (A210865-10)</u>												
<u>D7237-15A</u>												
Free Cyanide	30.6	2.51	5.03	ug/L	1	25.1	5.56	100	79-121%	6	13%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210969 - Total Suspended Solids						Water						
Blank (2210969-BLK1)						Prepared: 09/29/22 12:18 Analyzed: 09/29/22 12:18						
<u>SM 2540 D</u>												
Total Suspended Solids	ND	1000	1000	ug/L	1	---	---	---	---	---	---	
Duplicate (2210969-DUP1)						Prepared: 09/29/22 12:18 Analyzed: 09/29/22 12:18						
<u>QC Source Sample: Non-SDG (A210871-01)</u>												
Total Suspended Solids	1400	1000	1000	ug/L	1	---	1800	---	---	25.0	10%	SL-1
Reference (2210969-SRM1)						Prepared: 09/29/22 12:18 Analyzed: 09/29/22 12:18						
<u>SM 2540 D</u>												
Total Suspended Solids	826			mg/L	1	828	99.8	85-115%	---	---		

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SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 2210993</u>							
A210865-01	Water	EPA 8260D	09/28/22 00:10	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-02	Water	EPA 8260D	09/28/22 00:20	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-03	Water	EPA 8260D	09/28/22 00:50	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-04	Water	EPA 8260D	09/28/22 01:15	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-05	Water	EPA 8260D	09/28/22 01:45	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-06	Water	EPA 8260D	09/28/22 01:05	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-07	Water	EPA 8260D	09/28/22 01:50	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-08	Water	EPA 8260D	09/28/22 02:10	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-09	Water	EPA 8260D	09/28/22 00:25	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-10	Water	EPA 8260D	09/28/22 02:30	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00
A210865-11	Water	EPA 8260D	09/28/22 00:45	09/29/22 13:40	5mL/5mL	5mL/5mL	1.00

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22J0158</u>							
A210865-01	Water	EPA 8270E SIM	09/28/22 00:10	10/05/22 11:52	930mL/2mL	1000mL/2mL	1.08
A210865-02	Water	EPA 8270E SIM	09/28/22 00:20	10/05/22 11:52	980mL/2mL	1000mL/2mL	1.02
A210865-03	Water	EPA 8270E SIM	09/28/22 00:50	10/05/22 11:52	970mL/2mL	1000mL/2mL	1.03
A210865-04	Water	EPA 8270E SIM	09/28/22 01:15	10/05/22 11:52	950mL/2mL	1000mL/2mL	1.05
A210865-07	Water	EPA 8270E SIM	09/28/22 01:50	10/05/22 11:52	1050mL/2mL	1000mL/2mL	0.95
A210865-08	Water	EPA 8270E SIM	09/28/22 02:10	10/05/22 11:52	1050mL/2mL	1000mL/2mL	0.95
A210865-09RE1	Water	EPA 8270E SIM	09/28/22 00:25	10/05/22 11:52	1060mL/2mL	1000mL/2mL	0.94
A210865-10	Water	EPA 8270E SIM	09/28/22 02:30	10/05/22 11:52	1050mL/2mL	1000mL/2mL	0.95
A210865-11	Water	EPA 8270E SIM	09/28/22 00:45	10/05/22 11:52	1040mL/2mL	1000mL/2mL	0.96
<u>Batch: 22J0182</u>							
A210865-01RE1	Water	EPA 8270E SIM	09/28/22 00:10	10/06/22 12:32	970mL/2mL	1000mL/2mL	1.03
A210865-02RE1	Water	EPA 8270E SIM	09/28/22 00:20	10/06/22 12:32	930mL/2mL	1000mL/2mL	1.08
A210865-03RE1	Water	EPA 8270E SIM	09/28/22 00:50	10/06/22 12:32	980mL/2mL	1000mL/2mL	1.02
A210865-04RE1	Water	EPA 8270E SIM	09/28/22 01:15	10/06/22 12:32	950mL/2mL	1000mL/2mL	1.05
A210865-05RE1	Water	EPA 8270E SIM	09/28/22 01:45	10/06/22 07:03	940mL/2mL	1000mL/2mL	1.06
A210865-06RE1	Water	EPA 8270E SIM	09/28/22 01:05	10/06/22 07:03	960mL/2mL	1000mL/2mL	1.04
A210865-07RE1	Water	EPA 8270E SIM	09/28/22 01:50	10/06/22 12:32	1030mL/2mL	1000mL/2mL	0.97
A210865-08RE1	Water	EPA 8270E SIM	09/28/22 02:10	10/06/22 12:32	1000mL/2mL	1000mL/2mL	1.00
A210865-09RE2	Water	EPA 8270E SIM	09/28/22 00:25	10/06/22 12:32	1040mL/2mL	1000mL/2mL	0.96

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SAMPLE PREPARATION INFORMATION

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Prep: EPA 3510C (Acid Extraction)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A210865-10RE1	Water	EPA 8270E SIM	09/28/22 02:30	10/06/22 12:32	1020mL/2mL	1000mL/2mL	0.98
A210865-11RE1	Water	EPA 8270E SIM	09/28/22 00:45	10/06/22 12:32	1050mL/2mL	1000mL/2mL	0.95

Low Level Mercury by Cold Vapor Atomic Fluorescence (CVAF) by EPA 1631E

Prep: 1631E Mercury (H2O)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 2210939</u>							
A210865-01	Water	EPA 1631E-LL	09/28/22 00:10	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-03	Water	EPA 1631E-LL	09/28/22 00:50	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-06	Water	EPA 1631E-LL	09/28/22 01:05	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-07	Water	EPA 1631E-LL	09/28/22 01:50	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-08	Water	EPA 1631E-LL	09/28/22 02:10	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-09	Water	EPA 1631E-LL	09/28/22 00:25	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-10	Water	EPA 1631E-LL	09/28/22 02:30	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00
A210865-11	Water	EPA 1631E-LL	09/28/22 00:45	09/28/22 13:15	20mL/20mL	20mL/20mL	1.00

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22J0071</u>							
A210865-01	Water	EPA 6020B	09/28/22 00:10	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-02	Water	EPA 6020B	09/28/22 00:20	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-03	Water	EPA 6020B	09/28/22 00:50	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-03RE1	Water	EPA 6020B	09/28/22 00:50	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-04	Water	EPA 6020B	09/28/22 01:15	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-04RE1	Water	EPA 6020B	09/28/22 01:15	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-05	Water	EPA 6020B	09/28/22 01:45	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-05RE1	Water	EPA 6020B	09/28/22 01:45	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-06	Water	EPA 6020B	09/28/22 01:05	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-07	Water	EPA 6020B	09/28/22 01:50	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-08	Water	EPA 6020B	09/28/22 02:10	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-09	Water	EPA 6020B	09/28/22 00:25	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-10	Water	EPA 6020B	09/28/22 02:30	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-10RE1	Water	EPA 6020B	09/28/22 02:30	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00
A210865-11	Water	EPA 6020B	09/28/22 00:45	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00

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SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A210865-11RE1	Water	EPA 6020B	09/28/22 00:45	10/04/22 08:06	45mL/50mL	45mL/50mL	1.00

HEM (Oil and Grease) and SGT-HEM by EPA 1664B

Prep: EPA 1664B					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22J0072</u>							
A210865-01	Water	EPA 1664B	09/28/22 00:10	10/04/22 08:07			NA
A210865-02	Water	EPA 1664B	09/28/22 00:20	10/04/22 08:07			NA
A210865-03	Water	EPA 1664B	09/28/22 00:50	10/04/22 08:07			NA
A210865-04	Water	EPA 1664B	09/28/22 01:15	10/04/22 08:07			NA
A210865-05	Water	EPA 1664B	09/28/22 01:45	10/04/22 08:07			NA
A210865-06	Water	EPA 1664B	09/28/22 01:05	10/04/22 08:07			NA

Total Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12 (W)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 2210968</u>							
A210865-01	Water	D7511-12	09/28/22 00:10	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-02	Water	D7511-12	09/28/22 00:20	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-03	Water	D7511-12	09/28/22 00:50	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-04	Water	D7511-12	09/28/22 01:15	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-05	Water	D7511-12	09/28/22 01:45	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-06	Water	D7511-12	09/28/22 01:05	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-07	Water	D7511-12	09/28/22 01:50	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-08	Water	D7511-12	09/28/22 02:10	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-09	Water	D7511-12	09/28/22 00:25	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-10	Water	D7511-12	09/28/22 02:30	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00
A210865-11	Water	D7511-12	09/28/22 00:45	09/29/22 09:35	10mL/10mL	10mL/10mL	1.00

Available Cyanide by FIA, Ligand Exchange and Amperometric Detection

Prep: Method Prep: Aq					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22J0075</u>							
A210865-10	Water	D6888-09	09/28/22 02:30	10/04/22 08:36	5mL/5mL	5mL/5mL	1.00

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SAMPLE PREPARATION INFORMATION

Available Cyanide by FIA, Ligand Exchange and Amperometric Detection

<u>Prep: Method Prep: Ag</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A210865-11	Water	D6888-09	09/28/22 00:45	10/04/22 08:36	5mL/5mL	5mL/5mL	1.00

Free Cyanide Analysis Utilizing Gas Diffusion and Amperometric Detection

<u>Prep: Method Prep: Ag</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22J0033</u>							
A210865-10	Water	D7237-15A	09/28/22 02:30	10/03/22 10:50	5mL/5mL	5mL/5mL	1.00
A210865-11	Water	D7237-15A	09/28/22 00:45	10/03/22 10:50	5mL/5mL	5mL/5mL	1.00

Solid and Moisture Determinations

<u>Prep: Total Suspended Solids</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 2210969</u>							
A210865-06	Water	SM 2540 D	09/28/22 01:05	09/29/22 12:18			NA
A210865-10	Water	SM 2540 D	09/28/22 02:30	09/29/22 12:18			NA
A210865-11	Water	SM 2540 D	09/28/22 00:45	09/29/22 12:18			NA

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2749 Lockport Road
Niagara Falls, NY 14305

Project: **Gasco -- Monthly (2022)**
Project Number: **000029-02-20-2**
Project Manager: **Chip Byrd**

Report ID:
A210865 - 10 28 22 0553

QUALIFIER DEFINITIONS

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

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- E** Estimated Value. The result is above the calibration range of the instrument.
- H-01** This sample was analyzed outside the recommended holding time.
- H-02** This sample was extracted outside of the recommended holding time.
- ICV-01** Estimated Result. Initial Calibration Verification (ICV) failed high. There is no effect on non-detect results.
- 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.
- PRES** Incomplete field preservation. Additional preservative was added to adjust the pH within the appropriate range for this analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-03** Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-30** Recovery for Lab Control Spike (LCS) is below the lower control limit. Data may be biased low.
- 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-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +12%. The results are reported as Estimated Values.
- Q-54a** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +2%. The results are reported as Estimated Values.
- Q-54b** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +54%. 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 +63%. The results are reported as Estimated Values.
- 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.
- SL-1** Result is considered an estimated value. Less than 1 liter of sample was used in analysis and the method minimum residue of 2.5 mg was not met. The reporting level has been adjusted accordingly to reflect the increased uncertainty of the result.

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.
- " dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
- " wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
- " " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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Table with 3 columns: Client (Sevenson Environmental Services, Inc.), Project (Gasco -- Monthly (2022)), and Report ID (A210865 - 10 28 22 0553)

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

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Sevenson Environmental Services, Inc. 2749 Lockport Road Niagara Falls, NY 14305	Project: Gasco -- Monthly (2022) Project Number: 000029-02-20-2 Project Manager: Chip Byrd	Report ID: A210865 - 10 28 22 0553
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LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

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Darwin Thomas, Business Development Director



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APEX LABS

CHAIN OF CUSTODY

COC ___ of ___

Lab # **A210865**

1232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333
Company: **Sevenson Environmental Services, Inc.**
Address: 2749 Lockport Road, Niagara Falls, NY 14305
Sampled by: **Nathaniel Savage, HeartStone Services**

	Project Name: Gasco -- Monthly	Project #	Phone: (716) 583-2754	E-mail: wbyrd@sevenson.com	Fax:
	Project Mgr: Chip Byrd	Project #	ANALYSIS REQUEST		
	Matrix	Date	Time	# of Containers	# of Containers
SAMPLE ID	LAB ID #	DATE	TIME	# OF CONTAINERS	# OF CONTAINERS
SI-092822-94	9/28/22	0010	W 10	X	X
SE-092822-94	9/28/22	0020	W 10	X	X
KOP-092822-94	9/28/22	0050	W 10	X	X
NWI-092822-94	9/28/22	0115	W 10	X	X
NWE-092822-94	9/28/22	0145	W 10	X	X
FWHB-092822-94	9/28/22	0145	W 11	X	X
TWE-092822-94	9/28/22	0150	W 9	X	X
PGAC-092822-94	9/28/22	0150	W 9	X	X
GACM1-092822-94	9/28/22	0025	W 9	X	X
GACM2-092822-94	9/28/22	0230	W 10	X	X
GACF1-092822-94	9/28/22	0045	W 10	X	X
GACF2-092822-94	9/28/22	0045	W 10	X	X
APEX Trip Blank (EPA1631E Mercury)	9/28/22	0045	W 4	X	X

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

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

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: <i>Nathaniel Savage</i> Printed Name: Nathaniel Savage Company: SES	RECEIVED BY: Signature: <i>Chip Byrd</i> Printed Name: Chip Byrd Company: APEX LABS
RELINQUISHED BY: Signature: _____ Printed Name: _____ Company: _____	RECEIVED BY: Signature: _____ Printed Name: _____ Company: _____

Apex Laboratories

Darwin Thomas, Business Development Director

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APEX LABS COOLER RECEIPT FORM

Client: Sevenson Environmental Services, Inc. Element WO#: A210865

Project/Project #: Gasco - Monthly

Delivery Info:
 Date/time received: 9/28/22 @ 1005 By: ET
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 9/28/22 @ 1107 By: ET
 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>0.8</u>	<u>1.9</u>	<u>2.5</u>	<u>1.6</u>			
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>			
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>			
Ice type: (Gel/Real/Other)	<u>gel</u>	<u>gel</u>	<u>gel</u>	<u>gel</u>			
Condition:	<u>good</u>	<u>good</u>	<u>good</u>	<u>good</u>			

Cooler out of temp? 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: 9/28/22 @ 13:03 By: RMP
 All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: SS - 012822 - GH FINE ON BOTTLES REQS COCO. Ad fo did not received
 COC/container discrepancies form initiated? Yes No Continues for Apex Trip Bank

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: Kim Witness: DSS Cooler Inspected by: RMP a b Form Y-003 R-00

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