Sevenson Environmental Services, Inc.

Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305
Phone 716.284.0431
Fax 716.284.1796

May 23, 2023

Mr. Mark Krening
Waste Management, Inc.
7227 NE 55th Avenue
Portland, OR 97218

RE: NW Natural Source Control Groundwater Treatment Facility - T-201 NAPL Recovery Tank

Dear Mark:

Sevenson Environmental Services, Inc. (SES), on behalf of NW Natural, is requesting disposal pursuant to approved Profile 1342150OR for the disposal of one (1) 18 cubic yard roll-off bin of NW Natural Pretreatment NAPL Recovery Tank T-201 oily solids residuals to Waste Management's Hillsboro (Subtitle D) Landfill. This package includes lab analyses and a Waste Management profile for the disposal of NAPL recovery tank residuals.

Table 1 includes sample data from NW Natural Pretreatment NAPL Recovery Tank T-201 oily solids residuals. The testing results are from a three-part composite sample of the oily solids from the 18 cubic yard roll-off covered container, then composited by Apex into a single sample for analysis. The sample of material within this box was submitted to Apex Laboratories, LLC on March 17, 2023 for analysis of: dry weight, total metals, leachable metals (toxicity characteristic leaching procedure-TCLP), total petroleum hydrocarbons (TPH), total cyanide, total volatile organic compounds (VOCs) and TCLP VOCs, and semi-volatile organic compounds (SVOCs).

APEX provided the testing results for the above analyses in laboratory report number A3C0674 (enclosed) and SES has summarized the results in Table 1 (enclosed). Table 1 includes method detection limits (MDLs) for "non-detect" constituents, as well as Resource Conservation and Recovery Act (RCRA) Toxicity Characteristic (TC) threshold values. As summarized in Table 1, no detected analytes exceed the TC threshold levels.

Attached please find Profile 134215OR, inclusive of the Apex Laboratory analytical report documenting the chemistry of the residual treatment materials, and Table 1, a summary of those testing results. In response to the EZ Profile Addendum #D.7, NW Natural's Voluntary Agreement with DEQ, no. WMCVC-NWR-94-13, dated August 8, 1994, as amended July 19, 2006, has been provided to Waste Management under separate cover.

Please contact me if you have any questions.

Thank You,

William Byrd
WWTP Superintendent
Sevenson Environmental Services

Cc: Robert Wyatt (NW Natural),Kathryn Williams (NW Natural), Patty Dost (Pearl Legal Group), Ryan Barth (Anchor QEA), Rob Ede (Hahn and Associates), Tim Stone (Anchor QEA), Jen Mott (Anchor QEA), Mike Crystal (Sevenson Environmental Services), Joe Burke (Sevenson Environmental Services), Wesley Thomas (ODEQ) , Terence Driscoll (Aponowich, Driscoll & Associates, Inc.)

Enclosures (1):
Table 1 - T-201 NAPL Recovery Tank #3
Waste Management Disposal Profile 134215OR
134215OR Approval
APEX Lab Report #A3C0674

Table 1: T-201 NAPA Recovery Tank #3

		Sample: (Number)		
		Sample ID	T-201-031723-3	
		LAB ID	A3C0674-01	
	EPA Toxicity Characteristic (TC) Regulatory Threshold Values		Results	Qualifier
	20x EPA TC values in ug/kg*	Actual EPA TC values in ug/L		
Diesel (ug/kg dry)			**1,650,000**	**F-17**
Oil (ug/kg dry)			**718,000**	**J, F-17**
Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-G			**323,000**	
Volatile Organic Compounds by EPA 8260D			**ug/kg dry**	
Acetone			<1680	
Acrylonitrile				
Benzene	10,000	500	**225**	
Bromobenzene			<41.9	
Bromochloromethane			<83.9	
Bromodichloromethane			<83.9	
Bromoform			<168	
Bromomethane			<1680	
2-Butanone (MEK)	4,000,000	200,000	<839	
n-Butylbenzene			**85.6**	**J**
sec-Butylbenzene			**111**	**J**
tert-Butylbenzene			<83.9	
Carbon disulfide				
Carbon tetrachloride	10,000	500	<83.9	
Chlorobenzene	2,000,000	100,000	<41.9	
Chloroethane			<839	
Chloroform	120,000	6,000	<83.9	
Chloromethane			<419	
2-Chlorotoluene			<83.9	
4-Chlorotoluene			<83.9	
Dibromochloromethane			<168	
1,2-Dibromo-3-chloropropane			<419	
1,2-Dibromoethane (EDB)			<83.9	
Dibromomethane			<83.9	
1,2-Dichlorobenzene			<41.9	
1,3-Dichlorobenzene			<41.9	
1,4-Dichlorobenzene	150,000	7,500	<41.9	
Dichlorodifluoromethane			<168	
1,1-Dichloroethane			<41.9	
1,2-Dichloroethane (EDC)	10,000	500	<41.9	
1,1-Dichloroethene	14,000	700	<41.9	
cis-1,2-Dichloroethene			<41.9	
trans-1,2-Dichloroethene			<41.9	
1,2-Dichloropropane			<41.9	
1,3-Dichloropropane			<83.9	
2,2-Dichloropropane			<83.9	
1,1-Dichloropropene			<83.9	
cis-1,3-Dichloropropene			<83.9	
trans-1,3-Dichloropropene			<83.9	
Ethylbenzene			**535**	

Table 1: T-201 NAPA Recovery Tank #3

Hexachlorobutadiene	10,000	500	<168	
2-Hexanone			<839	
Isopropylbenzene			**141**	**J**
4-Isopropyltoluene			**213**	**M-02**
Methylene chloride			<839	
4-Methyl-2-pentanone (MiBK)			<839	
Methyl tert-butyl ether (MTBE)			<83.9	
Naphthalene			**64,600**	
n-Propylbenzene			**82.2**	**J**
Styrene			<83.9	
1,1,1,2-Tetrachloroethane			<41.9	
1,1,2,2-Tetrachloroethane			<83.9	
Tetrachloroethene (PCE)	14,000	700	<41.9	
Toluene			<83.9	
1,2,3-Trichlorobenzene			<419	
1,2,4-Trichlorobenzene			<419	
1,1,1-Trichloroethane			<41.9	
1,1,2-Trichloroethane			<41.9	
Trichloroethene (TCE)	10,000	500	<41.9	
Trichlorofluromethane			<168	
1,2,3-Trichloropropane			<83.9	
1,2,4-Trimethylbenzene			**1510**	
1,3,5-Trimethylbenzene			**562**	
Vinyl chloride	4,000	200	<41.9	
m,p-Xylene			**297**	
o-Xylene			**356**	
TCLP Volatile Organic Compounds by EPA1311/8260D			**ug/L**	
Acetone			<500	
Benzene	10,000	500	<6.25	
Bromobenzene			<12.5	
Bromochloromethane			<25.0	
Bromodichloromethane			<25.0	
Bromoform			<25.0	
Bromomethane			<250	
2-Butanone (MEK)	4,000,000	200,000	<250	
n-Butylbenzene			<25.0	
sec-Butylbenzene			<25.0	
tert-Butylbenzene			<25.0	
Carbon tetrachloride	10,000	500	<25.0	
Chlorobenzene	2,000,000	100,000	<12.5	
Chloroethane			<250	
Chloroform	120,000	6,000	<25.0	
Chloromethane			<125	
2-Chlorotoluene			<25.0	
4-Chlorotoluene			<25.0	
1,2-Dibromo-3-chloropropane			<125	
Dibromochloromethane			<25.0	
1,2-Dibromoethane (EDB)			<12.5	
Dibromomethane			<25.0	
1,2-Dichlorobenzene			<12.5	
1,3-Dichlorobenzene			<12.5	
1,4-Dichlorobenzene	150,000	7,500	<12.5	

Table 1: T-201 NAPA Recovery Tank #3

Dichlorodifluoromethane			<25.0	
1,1-Dichloroethane			<12.5	
1,1-Dichloroethene	14,000	700	<12.5	
1,2-Dichloroethane (EDC)	10,000	500	<12.5	
cis-1,2-Dichloroethene			<25.0	
trans-1,2-Dichloroethene			<12.5	
1,2-Dichloropropane			<12.5	
1,3-Dichloropropane			<25.0	
2,2-Dichloropropane			<25.0	
1,1-Dichloropropene			<25.0	
cis-1,3-Dichloropropene			<25.0	
trans-1,3-Dichloropropene			<25.0	
Ethylbenzene			<12.5	
Hexachlorobutaldiene	10,000	500	<125	
2-Hexanone			<250	
Isopropylbenzene			<25.0	
4-Isopropyltoluene			<25.0	
4-Methyl-2-pentanone (MiBK)			<250	
Methyl tert-butyl ether (MTBE)			<25.0	
Methylene chloride			<250	
n-Propylbenzene			<12.5	
Stryrene			<25.0	
1,1,1,2-Tetrachloroethane			<12.5	
1,1,2,2-Tetrachloroethane			<12.5	
Naphthalene			**804**	**Q-54n**
Tetrachloroethene (PCE)	14,000	700	<12.5	
Toluene			<25.0	
1,2,3-Trichlorobenzene			<25.0	
1,2,4-Trichlorobenzene			<50.0	
1,1,1-Trichloroethane			<12.5	
1,1,2-Trichloroethane			<12.5	
Trichloroethene (TCE)	10,000	500	<12.5	
Trichlorofluromethane			<50.0	
1,2,3-Trichloropropane			<25.0	
1,2,4-Trimethylbenzene			<25.0	
1,3,5-Trimethylbenzene			<25.0	
Vinyl chloride	4,000	200	<12.5	
m,p-Xylene			<25.0	
o-Xylene			<12.5	
Semivolatile Organic Compounds by EPA 8270E			**ug/kg dry**	
Acenaphthene			**42,700**	
Acenaphthylene			<4970	R-02
Anthracene			**28,600**	
Benz(a)anthracene			**18,000**	
Benzo(a)pyrene			**24,100**	
Benzo(b)fluoranthene			**17,500**	**B-02**
Benzo(k)fluoranthene			**7,970**	**M-05**
Benzo(g,h,i)perylene			**14,200**	
Chrysene			**22,200**	
Dibenz(a,h)anthracene			<1890	
Fluoranthene			**77,800**	
Fluorene			**29,500**	

Table 1: T-201 NAPA Recovery Tank #3

Indeno(1,2,3-cd)pyrene			**12,400**	
1-Methlnaphthalene			**36,700**	
2-Methlnaphthalene			**53,600**	
Naphthalene			**47,700**	**B**
Phenanthrene			**164,000**	
Pyrene			**96,400**	
Carbazole			**3,390**	**J**
Dibenzofuran			**5,110**	
2-Chlorophenol			<9470	
4-Chloro-3-methyplenol			<18900	
2,4-Dichlorophenol			<9470	
2,4-Dimethyphenol			<9470	
2,4-Dinitrophenol			<47300	
4,6-Dinitro-2-methylphenol			<47300	
2-Methylphenol	4,000,000	200,000	<4730	
3+4-Methyphenol(s)			<4730	
2-Niptrophenol			<18900	
4-Nitrophenol			<18900	
Pentachlorophenol(PCP)	2,000,000	100,000	<18900	
Phenol			<3790	
2,3,4,6-Tetrachlorophenol			<9470	
2,3,5,6-Tetrachlorophenol			<9470	
2,4,5-Trichlorophenol	8,000,000	400,000	<9470	
2,4,6-Trichlorophenol	40,000	2,000	<9470	
Bis(2-ethylhexyl)phthalate			<28400	
Butyl benzyl phtalate			<18900	
Diethyphthalate			<18900	
Dimethylphthalate			<18900	
Di-n-butylphthalate			<18900	
Di-n-octyl phthalate			<18900	
N-Nitrosodimethylamine			<4730	
N-Nitroso-di-n-propylamine			<4730	
N-Nitrosodiphenylamine			<4730	
Bis(2-Chloroethoxy) methane			<4730	
Bis(2-Chloroethyl) ether			<4730	
2,2'- Oxybis (1-Chloropropane)			<4730	
Hexachlorobenzene	2,600	130	<1890	
Hexachlorobutadiene	10,000	500	<4730	
Hexachlorocyclopentadiene			<9470	
Hexachloroethane	60,000	3,000	<4730	
2-Chloronaphthalene			<1890	
1,2,4-Trichlorobenzene			<4730	
4-Bromophenyl phenyl ether			<4730	
4-Chlorophenyl phenyl ether			<4730	
Aniline			<9470	
4-Chloroaniline			<4730	
2-Nitroaniline			<37900	
3-Nitroaniline			<37900	
4-Nitroaniline			<37900	
Nitrobenzene	40,000	2,000	<18900	
2,4-Dinitrotoluene	2,600	130	<18900	
2,6-Dinitrotoluene			<18900	
Benzoic acid			<237000	

Table 1: T-201 NAPA Recovery Tank #3

Benzyl alchohol			<9470	
Isophorone			<4730	
Azobenzene (1,2-DPH)			<4730	
Bis(2-Ethylhexyl)adipate			<47300	
3,3'-Dichlorobenzidine			<37900	Q-52
1,2-Dinitrobenzene			<47300	
1,3-Dinitrobenzene			<47300	
1,4-Dinitrobenzene			<47300	
Pyridine	100,000	5,000	<9470	
1,2-Dichlorobenzene			<4730	
1,3-Dichlorobenzene			<4730	
1,4-Dichlorobenzene	150,000	7,500	<4730	
TCLP Semivolatile Organic Compounds by EPA 8270D (ug/L)			**ug/L**	
Acenaphthene			**162**	**B-02**
Acenaphthylene			<9.00	R-02
Anthracene			**19.6**	
Benz(a)anthracene			<1.00	
Benzo(a)pyrene			<1.50	
Benzo(b)fluoranthene			<1.50	
Benzo(k)fluoranthene			<1.50	
Benzo(g,h,i)perylene			<1.00	
Chrysene			<1.00	
Dibenz(a,h)anthracene			<1.00	
Fluoranthene			**14.1**	
Fluorene			**75.0**	
Indeno(1,2,3-cd)pyrene			<1.00	
1-Methlnaphthalene			**257**	**B-02**
2-Methlnaphthalene			**328**	**B**
Naphthalene			**616**	**B**
Phenanthrene			**143**	
Pyrene			**14.0**	
Carbazole			**26.4**	
Dibenzofuran			**16.7**	
2-Chlorophenol			<5.00	
4-Chloro-3-methylplenol			<10.0	
2,4-Dichlorophenol			<5.00	
2,4-Dimethyphenol			<5.00	
2,4-Dinitrophenol			<25.0	
4,6-Dinitro-2-methylphenol			<25.0	
2-Methylphenol	4,000,000	200,000	<2.50	
3+4-Methyphenol(s)			<2.50	
2-Niptrophenol			<10.0	
4-Nitrophenol			<20.0	
Pentachlorophenol(PCP)	2,000,000	100,000	<10.0	
Phenol			<20.0	
2,3,4,6-Tetrachlorophenol			<5.00	
2,3,5,6-Tetrachlorophenol			<5.00	
2,4,5-Trichlorophenol	8,000,000	400,000	<5.00	
2,4,6-Trichlorophenol	40,000	2,000	<5.00	
Bis(2-ethylhexyl)phthalate			<20.0	
Butyl benzyl phtalate			<20.0	
Diethyphthalate			<20.0	

Table 1: T-201 NAPA Recovery Tank #3

Dimethylphthalate			<20.0	
Di-n-butylphthalate			<20.0	
Di-n-octyl phthalate			<20.0	
N-Nitrosodimethylamine			<2.50	
N-Nitroso-di-n-propylamine			<2.50	
N-Nitrosodiphenylamine			<2.50	
Bis(2-Chloroethoxy) methane			<2.50	
Bis(2-Chloroethyl) ether			<2.50	
2,2'- Oxybis (1-Chloropropane)			<2.50	
Hexachlorobenzene	2,600	130	<1.00	
Hexachlorobutadiene	10,000	500	<2.50	
Hexachlorocyclopentadiene			<5.00	
Hexachloroethane	60,000	3,000	<2.50	
2-Chloronaphthalene			<1.00	
1,2,4-Trichlorobenzene			<0.500	
4-Bromophenyl phenyl ether			<2.50	
4-Chlorophenyl phenyl ether			<2.50	
Aniline			<5.00	
4-Chloroaniline			<2.50	
2-Nitroaniline			<20.0	
3-Nitroaniline			<20.0	
4-Nitroaniline			<20.0	
Nitrobenzene	40,000	2,000	<10.0	
2,4-Dinitrotoluene	2,600	130	<10.0	
2,6-Dinitrotoluene			<10.0	
Benzoic acid			<125	
Benzyl alchohol			<10.0	
Isophorone			<2.50	
Azobenzene (1,2-DPH)			<2.50	
Bis(2-Ethylhexyl)adipate			<25.0	
3,3'-Dichlorobenzidine				
1,2-Dinitrobenzene			<25.0	
1,3-Dinitrobenzene			<25.0	
1,4-Dinitrobenzene			<25.0	
Pyridine	100,000	5,000	<10.0	
1,2-Dichlorobenzene			<2.50	
1,3-Dichlorobenzene			<2.50	
1,4-Dichlorobenzene	150,000	7,500	<2.50	
Total Metals by EPA 6020B(ICPMS)			**ug/kg dry**	
Arsenic	100,000	5,000	**5910**	
Barium	2,000,000	100,000	**155,000**	
Cadmium	20,000	1,000	<151	
Chromium	100,000	5,000	**34,000**	
Lead	100,000	5,000	**5,330**	
Mercury	4,000	200	<60.3	
Selenium	20,000	1,000	<754	
Silver	100,000	5,000	<151	
TCLP Metals by EPA 6020B (ICPMS)			**ug/L**	
Arsenic	100,000	5,000	<50.0	
Barium	2,000,000	100,000	<2500	
Cadmium	20,000	1,000	<50.0	

Table 1: T-201 NAPA Recovery Tank #3

Chromium	100,000	5,000	<50.0	
Lead	100,000	5,000	<25.0	
Mercury	4,000	200	<3.75	
Selenium	20,000	1,000	<50.0	
Silver	100,000	5,000	<50.0	
Total Cyanide (ug/kg dry)			**2010**	**M-02**
Free Liquid (mL)				
%Solids			**70.4**	

NOTES:

***If laboratory results from the totals test reported in ug/kg exceed the "20x TC Threshold" value, then see results of the TCLP test for direct comparison to actual TC regulatory levels reported in ug/L for regulatory status determination.**

B = Analyte detected in an associated blank at a level above the MRL.

B-02 = Analyte detected in an associated blank at a level between one-half the MRL and the MRL.

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

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

M-02 = Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.

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

Q-52 = Due to erratic or low blank spike recoveries results are considered estimated.

Q-54 = Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260C/8270D by -3%. The results are reported as Estimated Values.

R-02 = The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Non-Hazardous WAM Approval

Requested Management Facility: Hillsboro Landfill

Profile Number: 134215OR

Waste Acceptance Expiration Date: 12/08/2023

Common Name: LF01 Oily Solids

WM Regulatory Volume Limit: ☑ NA

APPROVAL DETAILS

Approval Decision: ☑ Approved ☐ Not Approved

Profile Renewal: ☐ Yes ☑ No

Management Method: Direct Landfill

Generator Name: NW Natural

Profile Expiration Date: 12/08/2023

Periodic Testing Due Date: ☑ NA

Other Due Date: ☑ NA (Specify)

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

Generator Conditions

- Shall not contain free liquids.
- Waste manifest or applicable shipping document must accompany load.
- The waste profile number must appear on the shipping papers.

WM Authorization Name: Donald Lavrinc

Title: Waste Approval Manager

WM Authorization Signature:

Date: 12/08/2020

Agency Authorization (if Required):

Date:

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

ANALYTICAL REPORT

Tuesday, April 4, 2023

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

RE: A3C0674 - Gasco -- OWS - 111323

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

Enclosed are the results of analyses for work order A3C0674, which was received by the laboratory on 3/17/2023 at 12:40:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Default Cooler	2.0 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Darwin Thomas, Business Development Director

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

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-201-031723-3	A3C0674-01	Solid	03/17/23 08:00	03/17/23 12:40

Apex Laboratories

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0876**		
Diesel	**1650000**	283000	565000	ug/kg dry	20	03/23/23 02:57	NWTPH-Dx	**F-17**
Oil	**718000**	565000	1130000	ug/kg dry	20	03/23/23 02:57	NWTPH-Dx	**J, F-17**
Surrogate: o-Terphenyl (Surr)			*Recovery: %*	*Limits: 50-150 %*	*20*	*03/23/23 02:57*	*NWTPH-Dx*	*S-01*

Apex Laboratories

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0784**		**V-15**
Gasoline Range Organics	**323000**	8390	16800	ug/kg dry	100	03/21/23 12:47	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*		*Limits: 50-150 %*	*1*	*03/21/23 12:47*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*	*1*	*03/21/23 12:47*	*NWTPH-Gx (MS)*	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0784**		**V-15**
Acetone	ND	1680	3360	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Benzene	**225**	16.8	33.6	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Bromobenzene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Bromochloromethane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Bromodichloromethane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Bromoform	ND	168	336	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Bromomethane	ND	1680	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
2-Butanone (MEK)	ND	839	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
n-Butylbenzene	**85.6**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	**J**
sec-Butylbenzene	**111**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	**J**
tert-Butylbenzene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Carbon tetrachloride	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Chlorobenzene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Chloroethane	ND	839	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Chloroform	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Chloromethane	ND	419	839	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
2-Chlorotoluene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
4-Chlorotoluene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Dibromochloromethane	ND	168	336	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	419	839	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Dibromomethane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,3-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,4-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Dichlorodifluoromethane	ND	168	336	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1-Dichloroethane	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
cis-1,2-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
trans-1,2-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2-Dichloropropane	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,3-Dichloropropane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0784**		**V-15**
2,2-Dichloropropane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1-Dichloropropene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
cis-1,3-Dichloropropene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
trans-1,3-Dichloropropene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Ethylbenzene	**535**	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Hexachlorobutadiene	ND	168	336	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
2-Hexanone	ND	839	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Isopropylbenzene	**141**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	**J**
4-Isopropyltoluene	**213**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	**M-02**
Methylene chloride	ND	839	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	839	1680	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
n-Propylbenzene	**82.2**	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	**J**
Styrene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Tetrachloroethene (PCE)	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Toluene	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2,3-Trichlorobenzene	ND	419	839	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2,4-Trichlorobenzene	ND	419	839	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1,1-Trichloroethane	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,1,2-Trichloroethane	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Trichloroethene (TCE)	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Trichlorofluoromethane	ND	168	336	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2,3-Trichloropropane	ND	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,2,4-Trimethylbenzene	**1510**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
1,3,5-Trimethylbenzene	**562**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Vinyl chloride	ND	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
m,p-Xylene	**297**	83.9	168	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
o-Xylene	**356**	41.9	83.9	ug/kg dry	100	03/21/23 12:47	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*	*1*	*03/21/23 12:47*	*5035A/8260D*	
Toluene-d8 (Surr)			*97 %*		*80-120 %*	*1*	*03/21/23 12:47*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*	*1*	*03/21/23 12:47*	*5035A/8260D*	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**		**Batch: 23C0846**		**V-15**
Naphthalene	**64600**	1680	3360	ug/kg dry	1000	03/22/23 14:14	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 106 %*		*Limits: 80-120 %*	*1*	*03/22/23 14:14*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*03/22/23 14:14*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*03/22/23 14:14*	*5035A/8260D*	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1160**		
Acetone	ND	500	1000	ug/L	50	03/29/23 18:00	1311/8260D	
Benzene	ND	6.25	12.5	ug/L	50	03/29/23 18:00	1311/8260D	
Bromobenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Bromochloromethane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Bromoform	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Bromomethane	ND	250	250	ug/L	50	03/29/23 18:00	1311/8260D	
2-Butanone (MEK)	ND	250	500	ug/L	50	03/29/23 18:00	1311/8260D	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Chlorobenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Chloroethane	ND	250	250	ug/L	50	03/29/23 18:00	1311/8260D	
Chloroform	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Chloromethane	ND	125	250	ug/L	50	03/29/23 18:00	1311/8260D	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	03/29/23 18:00	1311/8260D	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Dibromomethane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1-Dichloroethane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
cis-1,2-Dichloroethene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1160**		
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Ethylbenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Hexachlorobutadiene	ND	125	250	ug/L	50	03/29/23 18:00	1311/8260D	
2-Hexanone	ND	250	500	ug/L	50	03/29/23 18:00	1311/8260D	
Isopropylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/L	50	03/29/23 18:00	1311/8260D	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Methylene chloride	ND	250	500	ug/L	50	03/29/23 18:00	1311/8260D	
n-Propylbenzene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Styrene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Naphthalene	**804**	100	100	ug/L	50	03/29/23 18:00	1311/8260D	**Q-54n**
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Toluene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2,3-Trichlorobenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	03/29/23 18:00	1311/8260D	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	03/29/23 18:00	1311/8260D	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
Vinyl chloride	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
m,p-Xylene	ND	25.0	50.0	ug/L	50	03/29/23 18:00	1311/8260D	
o-Xylene	ND	12.5	25.0	ug/L	50	03/29/23 18:00	1311/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*	*Limits: 80-120 %*	*1*	*03/29/23 18:00*	*1311/8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*03/29/23 18:00*	*1311/8260D*	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1160**		
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*	*1*	*03/29/23 18:00*	*1311/8260D*	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1019**		
Acenaphthene	**42700**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Acenaphthylene	ND	4970	4970	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	R-02
Anthracene	**28600**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Benz(a)anthracene	**18000**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Benzo(a)pyrene	**24100**	2840	5680	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Benzo(b)fluoranthene	**17500**	2840	5680	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	**B-02**
Benzo(k)fluoranthene	**7970**	2840	5680	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**14200**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Chrysene	**22200**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Dibenz(a,h)anthracene	ND	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Fluoranthene	**77800**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Fluorene	**29500**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**12400**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1-Methylnaphthalene	**36700**	3790	7570	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Methylnaphthalene	**53600**	3790	7570	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Naphthalene	**47700**	3790	7570	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	**B**
Phenanthrene	**164000**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Pyrene	**96400**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Carbazole	**3390**	2840	5680	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	**J**
Dibenzofuran	**5110**	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Chlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Chloro-3-methylphenol	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4-Dichlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4-Dimethylphenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4-Dinitrophenol	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Methylphenol	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
3+4-Methylphenol(s)	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Nitrophenol	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Nitrophenol	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Pentachlorophenol (PCP)	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Phenol	ND	3790	7570	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1019**		
2,3,5,6-Tetrachlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4,5-Trichlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4,6-Trichlorophenol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	28400	56800	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Butyl benzyl phthalate	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Diethylphthalate	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Dimethylphthalate	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Di-n-butylphthalate	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Di-n-octyl phthalate	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
N-Nitrosodimethylamine	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
N-Nitrosodiphenylamine	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Hexachlorobenzene	ND	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Hexachlorobutadiene	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Hexachlorocyclopentadiene	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Hexachloroethane	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Chloronaphthalene	ND	1890	3790	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,2,4-Trichlorobenzene	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Bromophenyl phenyl ether	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Aniline	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Chloroaniline	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2-Nitroaniline	ND	37900	75700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
3-Nitroaniline	ND	37900	75700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
4-Nitroaniline	ND	37900	75700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Nitrobenzene	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,4-Dinitrotoluene	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
2,6-Dinitrotoluene	ND	18900	37900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Benzoic acid	ND	237000	473000	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Benzyl alcohol	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C1019**		
Isophorone	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Azobenzene (1,2-DPH)	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
3,3'-Dichlorobenzidine	ND	37900	75700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,3-Dinitrobenzene	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,4-Dinitrobenzene	ND	47300	94700	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Pyridine	ND	9470	18900	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,2-Dichlorobenzene	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,3-Dichlorobenzene	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
1,4-Dichlorobenzene	ND	4730	9470	ug/kg dry	1000	03/27/23 17:34	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery: 54 %*		*Limits: 37-122 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*109 %*	*44-120 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*36 %*	*33-122 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*118 %*	*54-127 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*52 %*	*35-120 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*%*	*39-132 %*	*1000*	*03/27/23 17:34*	*EPA 8270E*	*S-01*

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**		**Batch: 23C0864**		
Acenaphthene	**162**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	**B-02**
Acenaphthylene	ND	9.00	9.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	R-02
Anthracene	**19.6**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benz(a)anthracene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzo(a)pyrene	ND	1.50	3.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzo(b)fluoranthene	ND	1.50	3.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzo(k)fluoranthene	ND	1.50	3.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzo(g,h,i)perylene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Chrysene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Dibenz(a,h)anthracene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Fluoranthene	**14.1**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Fluorene	**75.0**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Indeno(1,2,3-cd)pyrene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1-Methylnaphthalene	**257**	2.00	4.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	**B-02**
2-Methylnaphthalene	**328**	2.00	4.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	**B**
Naphthalene	**616**	2.00	4.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	**B**
Phenanthrene	**143**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Pyrene	**14.0**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Carbazole	**26.4**	1.50	3.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Dibenzofuran	**16.7**	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2-Chlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Chloro-3-methylphenol	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4-Dichlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4-Dimethylphenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4-Dinitrophenol	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4,6-Dinitro-2-methylphenol	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2-Methylphenol	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
3+4-Methylphenol(s)	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2-Nitrophenol	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Nitrophenol	ND	20.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Pentachlorophenol (PCP)	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Phenol	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,3,4,6-Tetrachlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	

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APEX LABORATORIES

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**		**Batch: 23C0864**		
2,3,5,6-Tetrachlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4,5-Trichlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4,6-Trichlorophenol	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Bis(2-ethylhexyl)phthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Butyl benzyl phthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Diethylphthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Dimethylphthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Di-n-butylphthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Di-n-octyl phthalate	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
N-Nitrosodimethylamine	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
N-Nitroso-di-n-propylamine	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
N-Nitrosodiphenylamine	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Bis(2-Chloroethoxy) methane	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Bis(2-Chloroethyl) ether	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,2'-Oxybis(1-Chloropropane)	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Hexachlorobenzene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Hexachlorocyclopentadiene	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Hexachloroethane	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2-Chloronaphthalene	ND	1.00	2.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,2,4-Trichlorobenzene	ND	0.500	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Bromophenyl phenyl ether	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Chlorophenyl phenyl ether	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Aniline	ND	5.00	10.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Chloroaniline	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2-Nitroaniline	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
3-Nitroaniline	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
4-Nitroaniline	ND	20.0	40.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Nitrobenzene	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,4-Dinitrotoluene	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
2,6-Dinitrotoluene	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzoic acid	ND	125	250	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Benzyl alcohol	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**		**Batch: 23C0864**		
Isophorone	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Azobenzene (1,2-DPH)	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Bis(2-Ethylhexyl) adipate	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,2-Dinitrobenzene	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,3-Dinitrobenzene	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,4-Dinitrobenzene	ND	25.0	50.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Pyridine	ND	10.0	20.0	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,2-Dichlorobenzene	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,3-Dichlorobenzene	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
1,4-Dichlorobenzene	ND	2.50	5.00	ug/L	10	03/23/23 17:26	1311/8270E-LL	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*66 %*	*Limits:* *44-120 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	
2-Fluorobiphenyl (Surr)			*67 %*	*44-120 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	
Phenol-d6 (Surr)			*18 %*	*10-133 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	
p-Terphenyl-d14 (Surr)			*95 %*	*50-134 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	
2-Fluorophenol (Surr)			*33 %*	*19-120 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	
2,4,6-Tribromophenol (Surr)			*88 %*	*43-140 %*	*10*	*03/23/23 17:26*	*1311/8270E-LL*	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**				
Batch: 23C0713								
Arsenic	**5910**	754	1510	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Barium	**155000**	754	1510	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Cadmium	ND	151	302	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Chromium	**34000**	754	1510	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Lead	**5330**	151	302	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Mercury	ND	60.3	121	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Selenium	ND	754	1510	ug/kg dry	10	03/21/23 19:38	EPA 6020B	
Silver	ND	151	302	ug/kg dry	10	03/21/23 19:38	EPA 6020B	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

TCLP Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**				
Batch: 23C0830								
Arsenic	ND	50.0	100	ug/L	10	03/21/23 21:44	1311/6020B	
Barium	ND	2500	5000	ug/L	10	03/21/23 21:44	1311/6020B	
Cadmium	ND	50.0	100	ug/L	10	03/21/23 21:44	1311/6020B	
Chromium	ND	50.0	100	ug/L	10	03/21/23 21:44	1311/6020B	
Selenium	ND	50.0	100	ug/L	10	03/21/23 21:44	1311/6020B	
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**				
Batch: 23C0830								
Lead	ND	25.0	50.0	ug/L	10	03/22/23 16:38	1311/6020B	
Mercury	ND	3.75	7.00	ug/L	10	03/22/23 16:38	1311/6020B	
Silver	ND	50.0	100	ug/L	10	03/22/23 16:38	1311/6020B	

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01RE1)				**Matrix: Solid**		**Batch: 23C0850**		
Total Cyanide	**2010**	347	695	ug/kg dry	5	03/23/23 11:27	D7511-12	**M-02**

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0750**		
% Solids	**70.4**	1.00	1.00	%	1	03/21/23 06:34	EPA 8000D	

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ANALYTICAL SAMPLE RESULTS

TCLP Extraction by EPA 1311

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
T-201-031723-3 (A3C0674-01)				**Matrix: Solid**		**Batch: 23C0744**		
TCLP Extraction	PREP			N/A	1	03/20/23 17:37	EPA 1311	
TCLP Extraction	PREP			N/A	1	03/20/23 17:37	EPA 1311	
TCLP ZHE Extraction	0.00			N/A	1	03/28/23 16:16	EPA 1311 ZHE	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0876 - EPA 3546 (Fuels)							Solid					
Blank (23C0876-BLK1)			Prepared: 03/22/23 13:46		Analyzed: 03/23/23 02:09							
NWTPH-Dx												
Diesel	ND	10000	20000	ug/kg wet	1	---	---	---	---	---	---	
Oil	ND	20000	40000	ug/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 105 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (23C0876-BS1)			Prepared: 03/22/23 13:46		Analyzed: 03/23/23 02:33							
NWTPH-Dx												
Diesel	115000	10000	20000	ug/kg wet	1	125000	---	92	38-132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 111 %*	*Limits: 50-150 %*		*Dilution: 1x*							
Duplicate (23C0876-DUP1)			Prepared: 03/22/23 13:46		Analyzed: 03/23/23 03:20							
QC Source Sample: T-201-031723-3 (A3C0674-01)												
NWTPH-Dx												
Diesel	**1750000**	282000	564000	ug/kg dry	20	---	1650000	---	---	6	30%	F-17
Oil	**773000**	564000	1130000	ug/kg dry	20	---	718000	---	---	7	30%	J, F-17
Surr: o-Terphenyl (Surr)		*Recovery: %*	*Limits: 50-150 %*		*Dilution: 20x*							S-01

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ANALYTICAL REPORT

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2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0784 - EPA 5035A									Soil			
Blank (23C0784-BLK1)			Prepared: 03/21/23 08:12		Analyzed: 03/21/23 10:40							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	2500	5000	ug/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 101 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*				*"*			
LCS (23C0784-BS2)			Prepared: 03/21/23 08:12		Analyzed: 03/21/23 10:10							
NWTPH-Gx (MS)												
Gasoline Range Organics	25000	2500	5000	ug/kg wet	50	25000	---	100	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*				*"*			
Duplicate (23C0784-DUP1)			Prepared: 03/17/23 17:20		Analyzed: 03/21/23 13:13							V-15
QC Source Sample: T-201-031723-3 (A3C0674-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**331000**	8390	16800	ug/kg dry	100	---	323000	---	---	2	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 107 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*				*"*			

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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 23C0784 - EPA 5035A							**Soil**					
Blank (23C0784-BLK1)			Prepared: 03/21/23 08:12 Analyzed: 03/21/23 10:40									
5035A/8260D												
Acetone	ND	500	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	5.00	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	500	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
Blank (23C0784-BLK1)			Prepared: 03/21/23 08:12 Analyzed: 03/21/23 10:40									
1,2-Dichloropropane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 106 %*	*Limits: 80-120 %*				*Dilution: 1x*				

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
Blank (23C0784-BLK1)				Prepared: 03/21/23 08:12 Analyzed: 03/21/23 10:40								
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*				*"*				
LCS (23C0784-BS1)				Prepared: 03/21/23 08:12 Analyzed: 03/21/23 09:44								
5035A/8260D												
Acetone	1820	500	1000	ug/kg wet	50	2000	---	91	80-120%	---	---	
Acrylonitrile	1000	50.0	100	ug/kg wet	50	1000	---	100	80-120%	---	---	
Benzene	1060	5.00	10.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Bromobenzene	966	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Bromochloromethane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Bromodichloromethane	1140	25.0	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
Bromoform	1280	50.0	100	ug/kg wet	50	1000	---	**128**	**80-120%**	---	---	Q-56
Bromomethane	1630	500	500	ug/kg wet	50	1000	---	**163**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2020	250	500	ug/kg wet	50	2000	---	101	80-120%	---	---	
n-Butylbenzene	900	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
sec-Butylbenzene	943	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
tert-Butylbenzene	852	25.0	50.0	ug/kg wet	50	1000	---	85	80-120%	---	---	
Carbon disulfide	1000	250	500	ug/kg wet	50	1000	---	100	80-120%	---	---	
Carbon tetrachloride	1240	25.0	50.0	ug/kg wet	50	1000	---	**124**	**80-120%**	---	---	Q-56
Chlorobenzene	992	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Chloroethane	1610	250	500	ug/kg wet	50	1000	---	**161**	**80-120%**	---	---	Q-56
Chloroform	1110	25.0	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Chloromethane	952	125	250	ug/kg wet	50	1000	---	95	80-120%	---	---	
2-Chlorotoluene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
4-Chlorotoluene	920	25.0	50.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Dibromochloromethane	1130	50.0	100	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,2-Dibromo-3-chloropropane	855	125	250	ug/kg wet	50	1000	---	86	80-120%	---	---	
1,2-Dibromoethane (EDB)	980	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Dibromomethane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,2-Dichlorobenzene	972	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,3-Dichlorobenzene	972	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,4-Dichlorobenzene	976	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Dichlorodifluoromethane	1080	50.0	100	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1-Dichloroethane	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
LCS (23C0784-BS1)			Prepared: 03/21/23 08:12 Analyzed: 03/21/23 09:44									
1,2-Dichloroethane (EDC)	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1-Dichloroethene	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
cis-1,2-Dichloroethene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
trans-1,2-Dichloroethene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,2-Dichloropropane	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,3-Dichloropropane	994	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
2,2-Dichloropropane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1-Dichloropropene	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
cis-1,3-Dichloropropene	986	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
trans-1,3-Dichloropropene	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Ethylbenzene	962	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Hexachlorobutadiene	956	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
2-Hexanone	1610	250	500	ug/kg wet	50	2000	---	81	80-120%	---	---	
Isopropylbenzene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
4-Isopropyltoluene	914	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Methylene chloride	1100	250	500	ug/kg wet	50	1000	---	110	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1630	250	500	ug/kg wet	50	2000	---	82	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	952	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Naphthalene	851	50.0	100	ug/kg wet	50	1000	---	85	80-120%	---	---	
n-Propylbenzene	960	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Styrene	859	25.0	50.0	ug/kg wet	50	1000	---	86	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1,2,2-Tetrachloroethane	911	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Tetrachloroethene (PCE)	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Toluene	960	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	922	125	250	ug/kg wet	50	1000	---	92	80-120%	---	---	
1,2,4-Trichlorobenzene	901	125	250	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,1,1-Trichloroethane	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,1,2-Trichloroethane	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Trichloroethene (TCE)	1160	12.5	25.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
Trichlorofluoromethane	1920	50.0	100	ug/kg wet	50	1000	---	**192**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	940	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
1,2,4-Trimethylbenzene	929	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,3,5-Trimethylbenzene	947	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

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 23C0784 - EPA 5035A							Soil					
LCS (23C0784-BS1)			Prepared: 03/21/23 08:12 Analyzed: 03/21/23 09:44									
Vinyl chloride	1190	12.5	25.0	ug/kg wet	50	1000	---	119	80-120%	---	---	
m,p-Xylene	1950	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	900	12.5	25.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*79-120 %*				*"*			
Duplicate (23C0784-DUP1)			Prepared: 03/17/23 17:20 Analyzed: 03/21/23 13:13									V-15
QC Source Sample: T-201-031723-3 (A3C0674-01)												
5035A/8260D												
Acetone	ND	1680	3360	ug/kg dry	100	---	ND	---	---	---	30%	
Acrylonitrile	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
Benzene	**240**	16.8	33.6	ug/kg dry	100	---	225	---	---	6	30%	
Bromobenzene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Bromochloromethane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Bromodichloromethane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Bromoform	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
Bromomethane	ND	1680	1680	ug/kg dry	100	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
n-Butylbenzene	**95.6**	83.9	168	ug/kg dry	100	---	85.6	---	---	11	30%	J
sec-Butylbenzene	**126**	83.9	168	ug/kg dry	100	---	111	---	---	13	30%	J
tert-Butylbenzene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon disulfide	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Chlorobenzene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroethane	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroform	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Chloromethane	ND	419	839	ug/kg dry	100	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromochloromethane	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	419	839	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromomethane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
Duplicate (23C0784-DUP1)			Prepared: 03/17/23 17:20		Analyzed: 03/21/23 13:13							**V-15**
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1,2-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Ethylbenzene	**569**	41.9	83.9	ug/kg dry	100	---	535	---	---	6	30%	
Hexachlorobutadiene	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
2-Hexanone	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
Isopropylbenzene	**159**	83.9	168	ug/kg dry	100	---	141	---	---	12	30%	J
4-Isopropyltoluene	**232**	83.9	168	ug/kg dry	100	---	213	---	---	8	30%	M-02
Methylene chloride	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	839	1680	ug/kg dry	100	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	**73000**	168	336	ug/kg dry	100	---	71000	---	---	3	30%	E
n-Propylbenzene	**90.6**	41.9	83.9	ug/kg dry	100	---	82.2	---	---	10	30%	
Styrene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Toluene	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	419	839	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	419	839	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
Duplicate (23C0784-DUP1)			Prepared: 03/17/23 17:20		Analyzed: 03/21/23 13:13							**V-15**
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1,1,2-Trichloroethane	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	168	336	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	83.9	168	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**1660**	83.9	168	ug/kg dry	100	---	1510	---	---	9	30%	
1,3,5-Trimethylbenzene	**612**	83.9	168	ug/kg dry	100	---	562	---	---	9	30%	
Vinyl chloride	ND	41.9	83.9	ug/kg dry	100	---	ND	---	---	---	30%	
m,p-Xylene	**332**	83.9	168	ug/kg dry	100	---	297	---	---	11	30%	
o-Xylene	**379**	41.9	83.9	ug/kg dry	100	---	356	---	---	6	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (23C0784-MS1)			Prepared: 03/17/23 15:20		Analyzed: 03/21/23 14:04							**V-15**
QC Source Sample: Non-SDG (A3C0669-01)												
5035A/8260D												
Acetone	2350	669	1340	ug/kg dry	50	2680	ND	88	36-164%	---	---	
Acrylonitrile	1340	66.9	134	ug/kg dry	50	1340	ND	100	65-134%	---	---	
Benzene	1540	6.69	13.4	ug/kg dry	50	1340	15.4	114	77-121%	---	---	
Bromobenzene	1370	16.7	33.5	ug/kg dry	50	1340	ND	102	78-121%	---	---	
Bromochloromethane	1380	33.5	66.9	ug/kg dry	50	1340	ND	103	78-125%	---	---	
Bromodichloromethane	1610	33.5	66.9	ug/kg dry	50	1340	ND	121	75-127%	---	---	
Bromoform	1840	66.9	134	ug/kg dry	50	1340	ND	**138**	**67-132%**	---	---	Q-54k
Bromomethane	1890	669	669	ug/kg dry	50	1340	ND	141	53-143%	---	---	Q-54f
2-Butanone (MEK)	2730	335	669	ug/kg dry	50	2680	ND	102	51-148%	---	---	
n-Butylbenzene	1500	33.5	66.9	ug/kg dry	50	1340	49.5	109	70-128%	---	---	
sec-Butylbenzene	1430	33.5	66.9	ug/kg dry	50	1340	ND	107	73-126%	---	---	
tert-Butylbenzene	1270	33.5	66.9	ug/kg dry	50	1340	ND	95	73-125%	---	---	
Carbon disulfide	1390	335	669	ug/kg dry	50	1340	ND	104	63-132%	---	---	
Carbon tetrachloride	1820	33.5	66.9	ug/kg dry	50	1340	ND	**136**	**70-135%**	---	---	Q-54d
Chlorobenzene	1390	16.7	33.5	ug/kg dry	50	1340	ND	104	79-120%	---	---	
Chloroethane	2140	335	669	ug/kg dry	50	1340	ND	**160**	**59-139%**	---	---	Q-54e
Chloroform	1530	33.5	66.9	ug/kg dry	50	1340	ND	114	78-123%	---	---	

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

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 23C0784 - EPA 5035A							**Soil**					
Matrix Spike (23C0784-MS1)			Prepared: 03/17/23 15:20		Analyzed: 03/21/23 14:04							**V-15**
QC Source Sample: Non-SDG (A3C0669-01)												
Chloromethane	1200	167	335	ug/kg dry	50	1340	ND	90	50-136%	---	---	
2-Chlorotoluene	1350	33.5	66.9	ug/kg dry	50	1340	ND	101	75-122%	---	---	
4-Chlorotoluene	1290	33.5	66.9	ug/kg dry	50	1340	ND	97	72-124%	---	---	
Dibromochloromethane	1640	66.9	134	ug/kg dry	50	1340	ND	122	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1350	167	335	ug/kg dry	50	1340	ND	101	61-132%	---	---	
1,2-Dibromoethane (EDB)	1360	33.5	66.9	ug/kg dry	50	1340	ND	102	78-122%	---	---	
Dibromomethane	1500	33.5	66.9	ug/kg dry	50	1340	ND	112	78-125%	---	---	
1,2-Dichlorobenzene	1370	16.7	33.5	ug/kg dry	50	1340	30.1	100	78-121%	---	---	
1,3-Dichlorobenzene	1350	16.7	33.5	ug/kg dry	50	1340	ND	101	77-121%	---	---	
1,4-Dichlorobenzene	1350	16.7	33.5	ug/kg dry	50	1340	ND	101	75-120%	---	---	
Dichlorodifluoromethane	1460	66.9	134	ug/kg dry	50	1340	ND	109	29-149%	---	---	
1,1-Dichloroethane	1490	16.7	33.5	ug/kg dry	50	1340	ND	112	76-125%	---	---	
1,2-Dichloroethane (EDC)	1400	16.7	33.5	ug/kg dry	50	1340	ND	105	73-128%	---	---	
1,1-Dichloroethene	1580	16.7	33.5	ug/kg dry	50	1340	ND	118	70-131%	---	---	
cis-1,2-Dichloroethene	1480	16.7	33.5	ug/kg dry	50	1340	ND	110	77-123%	---	---	
trans-1,2-Dichloroethene	1500	16.7	33.5	ug/kg dry	50	1340	ND	112	74-125%	---	---	
1,2-Dichloropropane	1490	16.7	33.5	ug/kg dry	50	1340	ND	111	76-123%	---	---	
1,3-Dichloropropane	1350	33.5	66.9	ug/kg dry	50	1340	ND	101	77-121%	---	---	
2,2-Dichloropropane	1540	33.5	66.9	ug/kg dry	50	1340	ND	115	67-133%	---	---	
1,1-Dichloropropene	1570	33.5	66.9	ug/kg dry	50	1340	ND	118	76-125%	---	---	
cis-1,3-Dichloropropene	1350	33.5	66.9	ug/kg dry	50	1340	ND	101	74-126%	---	---	
trans-1,3-Dichloropropene	1390	33.5	66.9	ug/kg dry	50	1340	ND	104	71-130%	---	---	
Ethylbenzene	1910	16.7	33.5	ug/kg dry	50	1340	593	98	76-122%	---	---	
Hexachlorobutadiene	1650	66.9	134	ug/kg dry	50	1340	ND	124	61-135%	---	---	
2-Hexanone	2260	335	669	ug/kg dry	50	2680	ND	84	53-145%	---	---	
Isopropylbenzene	1520	33.5	66.9	ug/kg dry	50	1340	135	103	68-134%	---	---	
4-Isopropyltoluene	1690	33.5	66.9	ug/kg dry	50	1340	116	118	73-127%	---	---	M-02
Methylene chloride	1490	335	669	ug/kg dry	50	1340	ND	111	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2260	335	669	ug/kg dry	50	2680	ND	85	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1340	33.5	66.9	ug/kg dry	50	1340	ND	100	73-125%	---	---	
Naphthalene	49700	66.9	134	ug/kg dry	50	1340	52600	**-217**	**62-129%**	---	---	Q-03, E
n-Propylbenzene	1430	16.7	33.5	ug/kg dry	50	1340	71.6	102	73-125%	---	---	
Styrene	1290	33.5	66.9	ug/kg dry	50	1340	ND	96	76-124%	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0784 - EPA 5035A							**Soil**					
Matrix Spike (23C0784-MS1)			Prepared: 03/17/23 15:20		Analyzed: 03/21/23 14:04							**V-15**
QC Source Sample: Non-SDG (A3C0669-01)												
1,1,1,2-Tetrachloroethane	1570	16.7	33.5	ug/kg dry	50	1340	ND	117	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1130	33.5	66.9	ug/kg dry	50	1340	ND	85	70-124%	---	---	
Tetrachloroethene (PCE)	1430	16.7	33.5	ug/kg dry	50	1340	ND	107	73-128%	---	---	
Toluene	1300	33.5	66.9	ug/kg dry	50	1340	ND	97	77-121%	---	---	
1,2,3-Trichlorobenzene	1290	167	335	ug/kg dry	50	1340	ND	96	66-130%	---	---	
1,2,4-Trichlorobenzene	1440	167	335	ug/kg dry	50	1340	ND	107	67-129%	---	---	
1,1,1-Trichloroethane	1590	16.7	33.5	ug/kg dry	50	1340	ND	119	73-130%	---	---	
1,1,2-Trichloroethane	1380	16.7	33.5	ug/kg dry	50	1340	ND	103	78-121%	---	---	
Trichloroethene (TCE)	1790	16.7	33.5	ug/kg dry	50	1340	ND	**134**	**77-123%**	---	---	Q-01
Trichlorofluoromethane	11800	66.9	134	ug/kg dry	50	1340	ND	**881**	**62-140%**	---	---	Q-54j
1,2,3-Trichloropropane	1300	33.5	66.9	ug/kg dry	50	1340	ND	97	73-125%	---	---	
1,2,4-Trimethylbenzene	2340	33.5	66.9	ug/kg dry	50	1340	1130	91	75-123%	---	---	
1,3,5-Trimethylbenzene	1670	33.5	66.9	ug/kg dry	50	1340	390	96	73-124%	---	---	
Vinyl chloride	1500	16.7	33.5	ug/kg dry	50	1340	ND	112	56-135%	---	---	
m,p-Xylene	3100	33.5	66.9	ug/kg dry	50	2680	475	98	77-124%	---	---	
o-Xylene	1570	16.7	33.5	ug/kg dry	50	1340	270	97	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 110 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*94 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
Blank (23C0846-BLK1)			Prepared: 03/22/23 08:35 Analyzed: 03/22/23 11:15									
5035A/8260D												
Acetone	ND	500	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	5.00	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	500	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
Blank (23C0846-BLK1)			Prepared: 03/22/23 08:35 Analyzed: 03/22/23 11:15									
1,2-Dichloropropane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	250	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	500	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	125	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	50.0	100	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	25.0	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	12.5	25.0	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 106 %* *Limits: 80-120 %* *Dilution: 1x*

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
Blank (23C0846-BLK1)				Prepared: 03/22/23 08:35 Analyzed: 03/22/23 11:15								
Surr: Toluene-d8 (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*			*"*					
LCS (23C0846-BS1)				Prepared: 03/22/23 08:35 Analyzed: 03/22/23 10:16								
5035A/8260D												
Acetone	1710	500	1000	ug/kg wet	50	2000	---	86	80-120%	---	---	
Acrylonitrile	962	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
Benzene	1090	5.00	10.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromobenzene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Bromochloromethane	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Bromodichloromethane	1130	25.0	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
Bromoform	1280	50.0	100	ug/kg wet	50	1000	---	**128**	**80-120%**	---	---	Q-56
Bromomethane	1520	500	500	ug/kg wet	50	1000	---	**152**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	1880	250	500	ug/kg wet	50	2000	---	94	80-120%	---	---	
n-Butylbenzene	988	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
sec-Butylbenzene	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
tert-Butylbenzene	942	25.0	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Carbon disulfide	988	250	500	ug/kg wet	50	1000	---	99	80-120%	---	---	
Carbon tetrachloride	1250	25.0	50.0	ug/kg wet	50	1000	---	**125**	**80-120%**	---	---	Q-56
Chlorobenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chloroethane	1270	250	500	ug/kg wet	50	1000	---	**127**	**80-120%**	---	---	Q-56
Chloroform	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Chloromethane	968	125	250	ug/kg wet	50	1000	---	97	80-120%	---	---	
2-Chlorotoluene	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
4-Chlorotoluene	978	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Dibromochloromethane	1180	50.0	100	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,2-Dibromo-3-chloropropane	886	125	250	ug/kg wet	50	1000	---	89	80-120%	---	---	
1,2-Dibromoethane (EDB)	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Dibromomethane	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,2-Dichlorobenzene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,3-Dichlorobenzene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,4-Dichlorobenzene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Dichlorodifluoromethane	1180	50.0	100	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,1-Dichloroethane	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
LCS (23C0846-BS1)			Prepared: 03/22/23 08:35 Analyzed: 03/22/23 10:16									
1,2-Dichloroethane (EDC)	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,1-Dichloroethene	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
cis-1,2-Dichloroethene	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
trans-1,2-Dichloroethene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,2-Dichloropropane	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,3-Dichloropropane	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
2,2-Dichloropropane	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,1-Dichloropropene	1120	25.0	50.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
cis-1,3-Dichloropropene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
trans-1,3-Dichloropropene	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Ethylbenzene	994	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Hexachlorobutadiene	1050	50.0	100	ug/kg wet	50	1000	---	105	80-120%	---	---	
2-Hexanone	1600	250	500	ug/kg wet	50	2000	---	80	80-120%	---	---	
Isopropylbenzene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
4-Isopropyltoluene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Methylene chloride	1070	250	500	ug/kg wet	50	1000	---	107	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1580	500	500	ug/kg wet	50	2000	---	**79**	**80-120%**	---	---	Q-55
Methyl tert-butyl ether (MTBE)	972	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Naphthalene	984	50.0	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
n-Propylbenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Styrene	904	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1140	12.5	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,1,2,2-Tetrachloroethane	914	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Tetrachloroethene (PCE)	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Toluene	998	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	986	125	250	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,2,4-Trichlorobenzene	1030	125	250	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,1,1-Trichloroethane	1140	12.5	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,1,2-Trichloroethane	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Trichloroethene (TCE)	1210	12.5	25.0	ug/kg wet	50	1000	---	**121**	**80-120%**	---	---	Q-56
Trichlorofluoromethane	1580	50.0	100	ug/kg wet	50	1000	---	**158**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,2,4-Trimethylbenzene	994	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,3,5-Trimethylbenzene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
LCS (23C0846-BS1)			Prepared: 03/22/23 08:35		Analyzed: 03/22/23 10:16							
Vinyl chloride	1160	12.5	25.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
m,p-Xylene	2010	25.0	50.0	ug/kg wet	50	2000	---	100	80-120%	---	---	
o-Xylene	971	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
Duplicate (23C0846-DUP1)			Prepared: 03/21/23 11:18		Analyzed: 03/22/23 12:06							
QC Source Sample: Non-SDG (A3C0760-01)												
Acetone	ND	1580	3160	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	15.8	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	1580	1580	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	791	1580	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	791	1580	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	791	1580	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	396	791	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	396	791	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
Duplicate (23C0846-DUP1)			Prepared: 03/21/23 11:18 Analyzed: 03/22/23 12:06									
QC Source Sample: Non-SDG (A3C0760-01)												
1,3-Dichlorobenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	791	1580	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	791	1580	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	1580	1580	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	396	791	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	396	791	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

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 23C0846 - EPA 5035A							Soil					
Duplicate (23C0846-DUP1)			Prepared: 03/21/23 11:18 Analyzed: 03/22/23 12:06									
QC Source Sample: Non-SDG (A3C0760-01)												
Trichloroethene (TCE)	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	158	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	79.1	158	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	39.6	79.1	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*97 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*			*"*					
Matrix Spike (23C0846-MS1)			Prepared: 03/21/23 09:00 Analyzed: 03/22/23 12:57									
QC Source Sample: Non-SDG (A3C0783-04)												
5035A/8260D												
Acetone	4700	1290	2580	ug/kg dry	50	5150	ND	91	36-164%	---	---	
Acrylonitrile	2560	129	258	ug/kg dry	50	2570	ND	99	65-134%	---	---	
Benzene	2890	12.9	25.8	ug/kg dry	50	2570	ND	112	77-121%	---	---	
Bromobenzene	2600	32.2	64.4	ug/kg dry	50	2570	ND	101	78-121%	---	---	
Bromochloromethane	2780	64.4	129	ug/kg dry	50	2570	ND	108	78-125%	---	---	
Bromodichloromethane	3010	64.4	129	ug/kg dry	50	2570	ND	117	75-127%	---	---	
Bromoform	3160	129	258	ug/kg dry	50	2570	ND	123	67-132%	---	---	Q-54k
Bromomethane	4200	1290	1290	ug/kg dry	50	2570	ND	**163**	**53-143%**	---	---	Q-54b
2-Butanone (MEK)	5210	644	1290	ug/kg dry	50	5150	ND	101	51-148%	---	---	
n-Butylbenzene	2510	64.4	129	ug/kg dry	50	2570	ND	97	70-128%	---	---	
sec-Butylbenzene	2610	64.4	129	ug/kg dry	50	2570	ND	101	73-126%	---	---	
tert-Butylbenzene	2360	64.4	129	ug/kg dry	50	2570	ND	92	73-125%	---	---	
Carbon disulfide	2710	644	1290	ug/kg dry	50	2570	ND	105	63-132%	---	---	
Carbon tetrachloride	3430	64.4	129	ug/kg dry	50	2570	ND	133	70-135%	---	---	Q-54g
Chlorobenzene	2660	32.2	64.4	ug/kg dry	50	2570	ND	103	79-120%	---	---	
Chloroethane	4180	644	1290	ug/kg dry	50	2570	ND	**162**	**59-139%**	---	---	Q-54i
Chloroform	2930	64.4	129	ug/kg dry	50	2570	ND	114	78-123%	---	---	
Chloromethane	2750	322	644	ug/kg dry	50	2570	ND	107	50-136%	---	---	

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

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 23C0846 - EPA 5035A							Soil					
Matrix Spike (23C0846-MS1)			Prepared: 03/21/23 09:00		Analyzed: 03/22/23 12:57							
QC Source Sample: Non-SDG (A3C0783-04)												
2-Chlorotoluene	2540	64.4	129	ug/kg dry	50	2570	ND	99	75-122%	---	---	
4-Chlorotoluene	2510	64.4	129	ug/kg dry	50	2570	ND	98	72-124%	---	---	
Dibromochloromethane	2950	129	258	ug/kg dry	50	2570	ND	115	74-126%	---	---	
1,2-Dibromo-3-chloropropane	2130	322	644	ug/kg dry	50	2570	ND	83	61-132%	---	---	
1,2-Dibromoethane (EDB)	2550	64.4	129	ug/kg dry	50	2570	ND	99	78-122%	---	---	
Dibromomethane	2810	64.4	129	ug/kg dry	50	2570	ND	109	78-125%	---	---	
1,2-Dichlorobenzene	2530	32.2	64.4	ug/kg dry	50	2570	ND	98	78-121%	---	---	
1,3-Dichlorobenzene	2570	32.2	64.4	ug/kg dry	50	2570	ND	100	77-121%	---	---	
1,4-Dichlorobenzene	2560	32.2	64.4	ug/kg dry	50	2570	ND	100	75-120%	---	---	
Dichlorodifluoromethane	3440	129	258	ug/kg dry	50	2570	ND	134	29-149%	---	---	
1,1-Dichloroethane	2860	32.2	64.4	ug/kg dry	50	2570	ND	111	76-125%	---	---	
1,2-Dichloroethane (EDC)	2820	32.2	64.4	ug/kg dry	50	2570	ND	109	73-128%	---	---	
1,1-Dichloroethene	3040	32.2	64.4	ug/kg dry	50	2570	ND	118	70-131%	---	---	
cis-1,2-Dichloroethene	2830	32.2	64.4	ug/kg dry	50	2570	ND	110	77-123%	---	---	
trans-1,2-Dichloroethene	2880	32.2	64.4	ug/kg dry	50	2570	ND	112	74-125%	---	---	
1,2-Dichloropropane	2830	32.2	64.4	ug/kg dry	50	2570	ND	110	76-123%	---	---	
1,3-Dichloropropane	2560	64.4	129	ug/kg dry	50	2570	ND	100	77-121%	---	---	
2,2-Dichloropropane	2880	64.4	129	ug/kg dry	50	2570	ND	112	67-133%	---	---	
1,1-Dichloropropene	2980	64.4	129	ug/kg dry	50	2570	ND	116	76-125%	---	---	
cis-1,3-Dichloropropene	2580	64.4	129	ug/kg dry	50	2570	ND	100	74-126%	---	---	
trans-1,3-Dichloropropene	2650	64.4	129	ug/kg dry	50	2570	ND	103	71-130%	---	---	
Ethylbenzene	2590	32.2	64.4	ug/kg dry	50	2570	ND	100	76-122%	---	---	
Hexachlorobutadiene	2710	129	258	ug/kg dry	50	2570	ND	105	61-135%	---	---	
2-Hexanone	4150	644	1290	ug/kg dry	50	5150	ND	81	53-145%	---	---	
Isopropylbenzene	2600	64.4	129	ug/kg dry	50	2570	ND	101	68-134%	---	---	
4-Isopropyltoluene	2540	64.4	129	ug/kg dry	50	2570	ND	99	73-127%	---	---	
Methylene chloride	2850	644	1290	ug/kg dry	50	2570	ND	111	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	4290	1290	1290	ug/kg dry	50	5150	ND	83	65-135%	---	---	Q-54m
Methyl tert-butyl ether (MTBE)	2490	64.4	129	ug/kg dry	50	2570	ND	97	73-125%	---	---	
Naphthalene	2330	129	258	ug/kg dry	50	2570	ND	90	62-129%	---	---	
n-Propylbenzene	2610	32.2	64.4	ug/kg dry	50	2570	ND	101	73-125%	---	---	
Styrene	2370	64.4	129	ug/kg dry	50	2570	ND	92	76-124%	---	---	
1,1,1,2-Tetrachloroethane	2860	32.2	64.4	ug/kg dry	50	2570	ND	111	78-125%	---	---	

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0846 - EPA 5035A							**Soil**					
Matrix Spike (23C0846-MS1)			Prepared: 03/21/23 09:00		Analyzed: 03/22/23 12:57							
QC Source Sample: Non-SDG (A3C0783-04)												
1,1,2,2-Tetrachloroethane	2300	64.4	129	ug/kg dry	50	2570	ND	89	70-124%	---	---	
Tetrachloroethene (PCE)	2840	32.2	64.4	ug/kg dry	50	2570	ND	110	73-128%	---	---	
Toluene	2560	64.4	129	ug/kg dry	50	2570	ND	99	77-121%	---	---	
1,2,3-Trichlorobenzene	2390	322	644	ug/kg dry	50	2570	ND	93	66-130%	---	---	
1,2,4-Trichlorobenzene	2490	322	644	ug/kg dry	50	2570	ND	97	67-129%	---	---	
1,1,1-Trichloroethane	3020	32.2	64.4	ug/kg dry	50	2570	ND	117	73-130%	---	---	
1,1,2-Trichloroethane	2610	32.2	64.4	ug/kg dry	50	2570	ND	101	78-121%	---	---	
Trichloroethene (TCE)	3210	32.2	64.4	ug/kg dry	50	2570	ND	**125**	**77-123%**	---	---	Q-54
Trichlorofluoromethane	11000	129	258	ug/kg dry	50	2570	ND	**427**	**62-140%**	---	---	Q-54c
1,2,3-Trichloropropane	2450	64.4	129	ug/kg dry	50	2570	ND	95	73-125%	---	---	
1,2,4-Trimethylbenzene	2520	64.4	129	ug/kg dry	50	2570	ND	98	75-123%	---	---	
1,3,5-Trimethylbenzene	2580	64.4	129	ug/kg dry	50	2570	ND	100	73-124%	---	---	
Vinyl chloride	3490	32.2	64.4	ug/kg dry	50	2570	ND	135	56-135%	---	---	
m,p-Xylene	5220	64.4	129	ug/kg dry	50	5150	ND	101	77-124%	---	---	
o-Xylene	2490	32.2	64.4	ug/kg dry	50	2570	ND	97	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (23C1160-BLK1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 13:52									**TCLPb**
1311/8260D												
Acetone	ND	500	1000	ug/L	50	---	---	---	---	---	---	
Benzene	ND	6.25	12.5	ug/L	50	---	---	---	---	---	---	
Bromobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Bromochloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromoform	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromomethane	ND	250	250	ug/L	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	250	500	ug/L	50	---	---	---	---	---	---	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Chlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Chloroethane	ND	250	250	ug/L	50	---	---	---	---	---	---	
Chloroform	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Chloromethane	ND	125	250	ug/L	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	---	---	---	---	---	---	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Dibromomethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (23C1160-BLK1)			Prepared: 03/29/23 11:03		Analyzed: 03/29/23 13:52							**TCLPb**
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Ethylbenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	125	250	ug/L	50	---	---	---	---	---	---	
2-Hexanone	ND	250	500	ug/L	50	---	---	---	---	---	---	
Isopropylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/L	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Methylene chloride	ND	250	500	ug/L	50	---	---	---	---	---	---	
n-Propylbenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Styrene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Naphthalene	ND	100	100	ug/L	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Toluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Vinyl chloride	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
m,p-Xylene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
o-Xylene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr)	*Recovery: 98 %*	*Limits: 80-120 %*	*Dilution: 1x*	
Toluene-d8 (Surr)	*102 %*	*80-120 %*	*"*	
4-Bromofluorobenzene (Surr)	*99 %*	*80-120 %*	*"*	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Batch 23C1160 - EPA 1311/5030B TCLP Volatiles — Water

Blank (23C1160-BLK2) Prepared: 03/29/23 11:03 Analyzed: 03/29/23 14:15 — TCLPb

1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Acetone	ND	500	1000	ug/L	50	---	---	---	---	---	---	
Benzene	ND	6.25	12.5	ug/L	50	---	---	---	---	---	---	
Bromobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Bromochloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromoform	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Bromomethane	ND	250	250	ug/L	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	250	500	ug/L	50	---	---	---	---	---	---	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Chlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Chloroethane	ND	250	250	ug/L	50	---	---	---	---	---	---	
Chloroform	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Chloromethane	ND	125	250	ug/L	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	---	---	---	---	---	---	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Dibromomethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (23C1160-BLK2)			Prepared: 03/29/23 11:03		Analyzed: 03/29/23 14:15							**TCLPb**
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Ethylbenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	125	250	ug/L	50	---	---	---	---	---	---	
2-Hexanone	ND	250	500	ug/L	50	---	---	---	---	---	---	
Isopropylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/L	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Methylene chloride	ND	250	500	ug/L	50	---	---	---	---	---	---	
n-Propylbenzene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Styrene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Naphthalene	ND	100	100	ug/L	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Toluene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
Vinyl chloride	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	
m,p-Xylene	ND	25.0	50.0	ug/L	50	---	---	---	---	---	---	
o-Xylene	ND	12.5	25.0	ug/L	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 100 %* *Limits: 80-120 %* *Dilution: 1x*
Toluene-d8 (Surr) *102 %* *80-120 %* *"*
4-Bromofluorobenzene (Surr) *98 %* *80-120 %* *"*

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (23C1160-BS1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 13:07									**TCLPb**
1311/8260D												
Acetone	2230	500	1000	ug/L	50	2000	---	112	80-120%	---	---	
Benzene	1000	6.25	12.5	ug/L	50	1000	---	100	80-120%	---	---	
Bromobenzene	940	12.5	25.0	ug/L	50	1000	---	94	80-120%	---	---	
Bromochloromethane	1210	25.0	50.0	ug/L	50	1000	---	**121**	**80-120%**	---	---	Q-56
Bromodichloromethane	1120	25.0	50.0	ug/L	50	1000	---	112	80-120%	---	---	
Bromoform	1130	25.0	50.0	ug/L	50	1000	---	113	80-120%	---	---	
Bromomethane	1260	250	250	ug/L	50	1000	---	**126**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2250	250	500	ug/L	50	2000	---	113	80-120%	---	---	
n-Butylbenzene	1130	25.0	50.0	ug/L	50	1000	---	113	80-120%	---	---	
sec-Butylbenzene	1180	25.0	50.0	ug/L	50	1000	---	118	80-120%	---	---	
tert-Butylbenzene	1120	25.0	50.0	ug/L	50	1000	---	112	80-120%	---	---	
Carbon tetrachloride	1210	25.0	50.0	ug/L	50	1000	---	**121**	**80-120%**	---	---	Q-56
Chlorobenzene	1020	12.5	25.0	ug/L	50	1000	---	102	80-120%	---	---	
Chloroethane	1290	250	250	ug/L	50	1000	---	**129**	**80-120%**	---	---	Q-56
Chloroform	1030	25.0	50.0	ug/L	50	1000	---	103	80-120%	---	---	
Chloromethane	1120	125	250	ug/L	50	1000	---	112	80-120%	---	---	
2-Chlorotoluene	996	25.0	50.0	ug/L	50	1000	---	100	80-120%	---	---	
4-Chlorotoluene	1070	25.0	50.0	ug/L	50	1000	---	107	80-120%	---	---	
1,2-Dibromo-3-chloropropane	960	125	250	ug/L	50	1000	---	96	80-120%	---	---	
Dibromochloromethane	1090	25.0	50.0	ug/L	50	1000	---	109	80-120%	---	---	
1,2-Dibromoethane (EDB)	1050	12.5	25.0	ug/L	50	1000	---	105	80-120%	---	---	
Dibromomethane	1040	25.0	50.0	ug/L	50	1000	---	104	80-120%	---	---	
1,2-Dichlorobenzene	1010	12.5	25.0	ug/L	50	1000	---	101	80-120%	---	---	
1,3-Dichlorobenzene	1040	12.5	25.0	ug/L	50	1000	---	104	80-120%	---	---	
1,4-Dichlorobenzene	970	12.5	25.0	ug/L	50	1000	---	97	80-120%	---	---	
Dichlorodifluoromethane	1190	25.0	50.0	ug/L	50	1000	---	119	80-120%	---	---	
1,1-Dichloroethane	1080	12.5	25.0	ug/L	50	1000	---	108	80-120%	---	---	
1,1-Dichloroethene	1130	12.5	25.0	ug/L	50	1000	---	113	80-120%	---	---	
1,2-Dichloroethane (EDC)	1170	12.5	25.0	ug/L	50	1000	---	117	80-120%	---	---	
cis-1,2-Dichloroethene	1020	25.0	50.0	ug/L	50	1000	---	102	80-120%	---	---	
trans-1,2-Dichloroethene	1020	12.5	25.0	ug/L	50	1000	---	102	80-120%	---	---	
1,2-Dichloropropane	999	12.5	25.0	ug/L	50	1000	---	100	80-120%	---	---	
1,3-Dichloropropane	1060	25.0	50.0	ug/L	50	1000	---	106	80-120%	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (23C1160-BS1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 13:07									**TCLPb**
2,2-Dichloropropane	1260	25.0	50.0	ug/L	50	1000	---	**126**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1070	25.0	50.0	ug/L	50	1000	---	107	80-120%	---	---	
cis-1,3-Dichloropropene	1090	25.0	50.0	ug/L	50	1000	---	109	80-120%	---	---	
trans-1,3-Dichloropropene	1240	25.0	50.0	ug/L	50	1000	---	**124**	**80-120%**	---	---	Q-56
Ethylbenzene	1090	12.5	25.0	ug/L	50	1000	---	109	80-120%	---	---	
Hexachlorobutadiene	1090	125	250	ug/L	50	1000	---	109	80-120%	---	---	
2-Hexanone	2200	250	500	ug/L	50	2000	---	110	80-120%	---	---	
Isopropylbenzene	1120	25.0	50.0	ug/L	50	1000	---	112	80-120%	---	---	
4-Isopropyltoluene	1150	25.0	50.0	ug/L	50	1000	---	115	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2460	250	500	ug/L	50	2000	---	**123**	**80-120%**	---	---	Q-56
Methyl tert-butyl ether (MTBE)	1050	25.0	50.0	ug/L	50	1000	---	105	80-120%	---	---	
Methylene chloride	982	250	500	ug/L	50	1000	---	98	80-120%	---	---	
n-Propylbenzene	1070	12.5	25.0	ug/L	50	1000	---	107	80-120%	---	---	
Styrene	1130	25.0	50.0	ug/L	50	1000	---	113	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1060	12.5	25.0	ug/L	50	1000	---	106	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1080	12.5	25.0	ug/L	50	1000	---	108	80-120%	---	---	
Naphthalene	774	100	100	ug/L	50	1000	---	**77**	**80-120%**	---	---	Q-55
Tetrachloroethene (PCE)	1090	12.5	25.0	ug/L	50	1000	---	109	80-120%	---	---	
Toluene	996	25.0	50.0	ug/L	50	1000	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	1040	25.0	50.0	ug/L	50	1000	---	104	80-120%	---	---	
1,2,4-Trichlorobenzene	936	50.0	100	ug/L	50	1000	---	94	80-120%	---	---	
1,1,1-Trichloroethane	1150	12.5	25.0	ug/L	50	1000	---	115	80-120%	---	---	
1,1,2-Trichloroethane	1050	12.5	25.0	ug/L	50	1000	---	105	80-120%	---	---	
Trichloroethene (TCE)	926	12.5	25.0	ug/L	50	1000	---	93	80-120%	---	---	
Trichlorofluoromethane	1260	50.0	100	ug/L	50	1000	---	**126**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	1100	25.0	50.0	ug/L	50	1000	---	110	80-120%	---	---	
1,2,4-Trimethylbenzene	1160	25.0	50.0	ug/L	50	1000	---	116	80-120%	---	---	
1,3,5-Trimethylbenzene	1150	25.0	50.0	ug/L	50	1000	---	115	80-120%	---	---	
Vinyl chloride	1030	12.5	25.0	ug/L	50	1000	---	103	80-120%	---	---	
m,p-Xylene	2360	25.0	50.0	ug/L	50	2000	---	118	80-120%	---	---	
o-Xylene	1080	12.5	25.0	ug/L	50	1000	---	108	80-120%	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 94 %* *Limits: 80-120 %* *Dilution: 1x*
Toluene-d8 (Surr) *99 %* *80-120 %* *"*
4-Bromofluorobenzene (Surr) *92 %* *80-120 %* *"*

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Duplicate (23C1160-DUP1)			Prepared: 03/29/23 11:03		Analyzed: 03/29/23 17:38							
QC Source Sample: Non-SDG (A3C0669-01)												
Acetone	ND	500	1000	ug/L	50	---	ND	---	---	---	30%	
Benzene	ND	6.25	12.5	ug/L	50	---	ND	---	---	---	30%	
Bromobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Bromoform	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Bromomethane	ND	250	250	ug/L	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	250	500	ug/L	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Chloroethane	ND	250	250	ug/L	50	---	ND	---	---	---	30%	
Chloroform	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Chloromethane	ND	125	250	ug/L	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	125	250	ug/L	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Dibromomethane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Duplicate (23C1160-DUP1)			Prepared: 03/29/23 11:03		Analyzed: 03/29/23 17:38							
QC Source Sample: Non-SDG (A3C0669-01)												
1,3-Dichloropropane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Ethylbenzene	**16.5**	12.5	25.0	ug/L	50	---	16.5	---	---	0	30%	J
Hexachlorobutadiene	ND	125	250	ug/L	50	---	ND	---	---	---	30%	
2-Hexanone	ND	250	500	ug/L	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	250	500	ug/L	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Methylene chloride	ND	250	500	ug/L	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Styrene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Naphthalene	**2700**	100	100	ug/L	50	---	2610	---	---	3	30%	Q-54n
Tetrachloroethene (PCE)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Toluene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	50.0	100	ug/L	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	50.0	100	ug/L	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	25.0	50.0	ug/L	50	---	ND	---	---	---	30%	
o-Xylene	ND	12.5	25.0	ug/L	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*				*Dilution: 1x*			

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles												**Water**
Duplicate (23C1160-DUP1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 17:38									
QC Source Sample: Non-SDG (A3C0669-01)												
Surr: Toluene-d8 (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*				*"*				
Matrix Spike (23C1160-MS1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 18:23									
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1311/8260D												
Acetone	2300	500	1000	ug/L	50	2000	ND	115	39-160%	---	---	
Benzene	1060	6.25	12.5	ug/L	50	1000	ND	106	79-120%	---	---	
Bromobenzene	998	12.5	25.0	ug/L	50	1000	ND	100	80-120%	---	---	
Bromochloromethane	1230	25.0	50.0	ug/L	50	1000	ND	123	78-123%	---	---	Q-54
Bromodichloromethane	1140	25.0	50.0	ug/L	50	1000	ND	114	79-125%	---	---	
Bromoform	1130	25.0	50.0	ug/L	50	1000	ND	113	66-130%	---	---	
Bromomethane	1420	250	250	ug/L	50	1000	ND	**142**	**53-141%**	---	---	Q-54h
2-Butanone (MEK)	2450	250	500	ug/L	50	2000	ND	122	56-143%	---	---	
n-Butylbenzene	1280	25.0	50.0	ug/L	50	1000	ND	128	75-128%	---	---	
sec-Butylbenzene	1260	25.0	50.0	ug/L	50	1000	ND	126	77-126%	---	---	
tert-Butylbenzene	1230	25.0	50.0	ug/L	50	1000	ND	123	78-124%	---	---	
Carbon tetrachloride	1300	25.0	50.0	ug/L	50	1000	ND	130	72-136%	---	---	Q-54
Chlorobenzene	1050	12.5	25.0	ug/L	50	1000	ND	105	80-120%	---	---	
Chloroethane	1400	250	250	ug/L	50	1000	ND	**140**	**60-138%**	---	---	Q-54l
Chloroform	1070	25.0	50.0	ug/L	50	1000	ND	107	79-124%	---	---	
Chloromethane	1220	125	250	ug/L	50	1000	ND	122	50-139%	---	---	
2-Chlorotoluene	1080	25.0	50.0	ug/L	50	1000	ND	108	79-122%	---	---	
4-Chlorotoluene	1140	25.0	50.0	ug/L	50	1000	ND	114	78-122%	---	---	
1,2-Dibromo-3-chloropropane	1040	125	250	ug/L	50	1000	ND	104	62-128%	---	---	
Dibromochloromethane	1110	25.0	50.0	ug/L	50	1000	ND	111	74-126%	---	---	
1,2-Dibromoethane (EDB)	1070	12.5	25.0	ug/L	50	1000	ND	107	77-121%	---	---	
Dibromomethane	1050	25.0	50.0	ug/L	50	1000	ND	105	79-123%	---	---	
1,2-Dichlorobenzene	1070	12.5	25.0	ug/L	50	1000	ND	107	80-120%	---	---	
1,3-Dichlorobenzene	1080	12.5	25.0	ug/L	50	1000	ND	108	80-120%	---	---	
1,4-Dichlorobenzene	1000	12.5	25.0	ug/L	50	1000	ND	100	79-120%	---	---	
Dichlorodifluoromethane	1260	25.0	50.0	ug/L	50	1000	ND	126	32-152%	---	---	
1,1-Dichloroethane	1150	12.5	25.0	ug/L	50	1000	ND	115	77-125%	---	---	

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Matrix Spike (23C1160-MS1)			Prepared: 03/29/23 11:03 Analyzed: 03/29/23 18:23									
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1,1-Dichloroethene	1230	12.5	25.0	ug/L	50	1000	ND	123	71-131%	---	---	
1,2-Dichloroethane (EDC)	1200	12.5	25.0	ug/L	50	1000	ND	120	73-128%	---	---	
cis-1,2-Dichloroethene	1100	25.0	50.0	ug/L	50	1000	ND	110	78-123%	---	---	
trans-1,2-Dichloroethene	1120	12.5	25.0	ug/L	50	1000	ND	112	75-124%	---	---	
1,2-Dichloropropane	1050	12.5	25.0	ug/L	50	1000	ND	105	78-122%	---	---	
1,3-Dichloropropane	1100	25.0	50.0	ug/L	50	1000	ND	110	80-120%	---	---	
2,2-Dichloropropane	1300	25.0	50.0	ug/L	50	1000	ND	130	60-139%	---	---	Q-54h
1,1-Dichloropropene	1200	25.0	50.0	ug/L	50	1000	ND	120	79-125%	---	---	
cis-1,3-Dichloropropene	1160	25.0	50.0	ug/L	50	1000	ND	116	75-124%	---	---	
trans-1,3-Dichloropropene	1270	25.0	50.0	ug/L	50	1000	ND	127	73-127%	---	---	Q-54d
Ethylbenzene	1150	12.5	25.0	ug/L	50	1000	ND	115	79-121%	---	---	
Hexachlorobutadiene	1170	125	250	ug/L	50	1000	ND	117	66-134%	---	---	
2-Hexanone	2390	250	500	ug/L	50	2000	ND	120	57-139%	---	---	
Isopropylbenzene	1210	25.0	50.0	ug/L	50	1000	ND	121	72-131%	---	---	
4-Isopropyltoluene	1260	25.0	50.0	ug/L	50	1000	ND	126	77-127%	---	---	
4-Methyl-2-pentanone (MiBK)	2670	250	500	ug/L	50	2000	ND	**134**	**67-130%**	---	---	Q-54a
Methyl tert-butyl ether (MTBE)	1090	25.0	50.0	ug/L	50	1000	ND	109	71-124%	---	---	
Methylene chloride	1050	250	500	ug/L	50	1000	ND	105	74-124%	---	---	
n-Propylbenzene	1150	12.5	25.0	ug/L	50	1000	ND	115	76-126%	---	---	
Styrene	1180	25.0	50.0	ug/L	50	1000	ND	118	78-123%	---	---	
1,1,1,2-Tetrachloroethane	1060	12.5	25.0	ug/L	50	1000	ND	106	78-124%	---	---	
1,1,2,2-Tetrachloroethane	1100	12.5	25.0	ug/L	50	1000	ND	110	71-121%	---	---	
Naphthalene	2030	100	100	ug/L	50	1000	804	123	61-128%	---	---	Q-54n
Tetrachloroethene (PCE)	1150	12.5	25.0	ug/L	50	1000	ND	115	74-129%	---	---	
Toluene	1050	25.0	50.0	ug/L	50	1000	ND	105	80-121%	---	---	
1,2,3-Trichlorobenzene	1180	25.0	50.0	ug/L	50	1000	ND	118	69-129%	---	---	
1,2,4-Trichlorobenzene	1120	50.0	100	ug/L	50	1000	ND	112	69-130%	---	---	
1,1,1-Trichloroethane	1200	12.5	25.0	ug/L	50	1000	ND	120	74-131%	---	---	
1,1,2-Trichloroethane	1040	12.5	25.0	ug/L	50	1000	ND	104	80-120%	---	---	
Trichloroethene (TCE)	998	12.5	25.0	ug/L	50	1000	ND	100	79-123%	---	---	
Trichlorofluoromethane	1330	50.0	100	ug/L	50	1000	ND	133	65-141%	---	---	Q-54h
1,2,3-Trichloropropane	1110	25.0	50.0	ug/L	50	1000	ND	111	73-122%	---	---	
1,2,4-Trimethylbenzene	1260	25.0	50.0	ug/L	50	1000	ND	**126**	**76-124%**	---	---	Q-01

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1160 - EPA 1311/5030B TCLP Volatiles							**Water**					
Matrix Spike (23C1160-MS1)			Prepared: 03/29/23 11:03		Analyzed: 03/29/23 18:23							
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1,3,5-Trimethylbenzene	1230	25.0	50.0	ug/L	50	1000	ND	123	75-124%	---	---	
Vinyl chloride	1200	12.5	25.0	ug/L	50	1000	ND	120	58-137%	---	---	
m,p-Xylene	2500	25.0	50.0	ug/L	50	2000	ND	**125**	**80-121%**	---	---	Q-01
o-Xylene	1170	12.5	25.0	ug/L	50	1000	ND	117	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 94 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*			*"*				

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Blank (23C1019-BLK1)			Prepared: 03/27/23 07:35		Analyzed: 03/27/23 16:25							
EPA 8270E												
Acenaphthene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	2.00	4.00	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	**2.08**	2.00	4.00	ug/kg wet	1	---	---	---	---	---	---	J, B-02
Benzo(k)fluoranthene	ND	2.00	4.00	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	2.67	5.33	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	2.67	5.33	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	**8.73**	2.67	5.33	ug/kg wet	1	---	---	---	---	---	---	B
Phenanthrene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Carbazole	ND	2.00	4.00	ug/kg wet	1	---	---	---	---	---	---	
Dibenzofuran	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
2-Chlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
2-Methylphenol	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
2-Nitrophenol	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
4-Nitrophenol	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Phenol	ND	2.67	5.33	ug/kg wet	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Blank (23C1019-BLK1)			Prepared: 03/27/23 07:35 Analyzed: 03/27/23 16:25									
2,3,5,6-Tetrachlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	20.0	40.0	ug/kg wet	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Diethylphthalate	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Dimethylphthalate	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
Hexachloroethane	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	1.33	2.67	ug/kg wet	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Aniline	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
4-Chloroaniline	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
2-Nitroaniline	ND	26.7	53.3	ug/kg wet	1	---	---	---	---	---	---	
3-Nitroaniline	ND	26.7	53.3	ug/kg wet	1	---	---	---	---	---	---	
4-Nitroaniline	ND	26.7	53.3	ug/kg wet	1	---	---	---	---	---	---	
Nitrobenzene	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	13.3	26.7	ug/kg wet	1	---	---	---	---	---	---	
Benzoic acid	ND	167	333	ug/kg wet	1	---	---	---	---	---	---	
Benzyl alcohol	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
Isophorone	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Blank (23C1019-BLK1)			Prepared: 03/27/23 07:35 Analyzed: 03/27/23 16:25									
Azobenzene (1,2-DPH)	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
3,3'-Dichlorobenzidine	ND	26.7	53.3	ug/kg wet	1	---	---	---	---	---	---	Q-52
1,2-Dinitrobenzene	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	33.3	66.7	ug/kg wet	1	---	---	---	---	---	---	
Pyridine	ND	6.67	13.3	ug/kg wet	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	3.33	6.67	ug/kg wet	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 92 %*	*Limits: 37-122 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*94 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*91 %*	*33-122 %*			*"*					
p-Terphenyl-d14 (Surr)			*105 %*	*54-127 %*			*"*					
2-Fluorophenol (Surr)			*93 %*	*35-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*94 %*	*39-132 %*			*"*					Q-41
LCS (23C1019-BS1)			Prepared: 03/27/23 07:35 Analyzed: 03/27/23 17:00									**Q-18**
EPA 8270E												
Acenaphthene	573	5.32	10.7	ug/kg wet	4	533	---	107	40-123%	---	---	
Acenaphthylene	620	5.32	10.7	ug/kg wet	4	533	---	116	32-132%	---	---	
Anthracene	632	5.32	10.7	ug/kg wet	4	533	---	118	47-123%	---	---	
Benz(a)anthracene	634	5.32	10.7	ug/kg wet	4	533	---	119	49-126%	---	---	
Benzo(a)pyrene	622	8.00	16.0	ug/kg wet	4	533	---	117	45-129%	---	---	
Benzo(b)fluoranthene	638	8.00	16.0	ug/kg wet	4	533	---	120	45-132%	---	---	B-02
Benzo(k)fluoranthene	637	8.00	16.0	ug/kg wet	4	533	---	119	47-132%	---	---	
Benzo(g,h,i)perylene	633	5.32	10.7	ug/kg wet	4	533	---	119	43-134%	---	---	
Chrysene	612	5.32	10.7	ug/kg wet	4	533	---	115	50-124%	---	---	
Dibenz(a,h)anthracene	615	5.32	10.7	ug/kg wet	4	533	---	115	45-134%	---	---	
Fluoranthene	627	5.32	10.7	ug/kg wet	4	533	---	118	50-127%	---	---	
Fluorene	608	5.32	10.7	ug/kg wet	4	533	---	114	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	617	5.32	10.7	ug/kg wet	4	533	---	116	45-133%	---	---	
1-Methylnaphthalene	572	10.7	21.3	ug/kg wet	4	533	---	107	40-120%	---	---	
2-Methylnaphthalene	600	10.7	21.3	ug/kg wet	4	533	---	112	38-122%	---	---	

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
LCS (23C1019-BS1)			Prepared: 03/27/23 07:35		Analyzed: 03/27/23 17:00							**Q-18**
Naphthalene	563	10.7	21.3	ug/kg wet	4	533	---	106	35-123%	---	---	B
Phenanthrene	588	5.32	10.7	ug/kg wet	4	533	---	110	50-121%	---	---	
Pyrene	624	5.32	10.7	ug/kg wet	4	533	---	117	47-127%	---	---	
Carbazole	623	8.00	16.0	ug/kg wet	4	533	---	117	50-123%	---	---	
Dibenzofuran	601	5.32	10.7	ug/kg wet	4	533	---	113	44-120%	---	---	
2-Chlorophenol	574	26.7	53.2	ug/kg wet	4	533	---	108	34-121%	---	---	
4-Chloro-3-methylphenol	614	53.2	107	ug/kg wet	4	533	---	115	45-122%	---	---	
2,4-Dichlorophenol	680	26.7	53.2	ug/kg wet	4	533	---	**127**	**40-122%**	---	---	Q-29, Q-41
2,4-Dimethylphenol	644	26.7	53.2	ug/kg wet	4	533	---	121	30-127%	---	---	
2,4-Dinitrophenol	778	133	267	ug/kg wet	4	533	---	**146**	**10-137%**	---	---	Q-29, Q-41
4,6-Dinitro-2-methylphenol	765	133	267	ug/kg wet	4	533	---	**143**	**29-132%**	---	---	Q-29
2-Methylphenol	559	13.3	26.7	ug/kg wet	4	533	---	105	32-122%	---	---	
3+4-Methylphenol(s)	573	13.3	26.7	ug/kg wet	4	533	---	107	34-120%	---	---	
2-Nitrophenol	668	53.2	107	ug/kg wet	4	533	---	**125**	**36-123%**	---	---	Q-29, Q-41
4-Nitrophenol	656	53.2	107	ug/kg wet	4	533	---	123	30-132%	---	---	
Pentachlorophenol (PCP)	500	53.2	107	ug/kg wet	4	533	---	94	25-133%	---	---	
Phenol	597	10.7	21.3	ug/kg wet	4	533	---	112	34-121%	---	---	
2,3,4,6-Tetrachlorophenol	651	26.7	53.2	ug/kg wet	4	533	---	122	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	633	26.7	53.2	ug/kg wet	4	533	---	119	40-120%	---	---	
2,4,5-Trichlorophenol	663	26.7	53.2	ug/kg wet	4	533	---	124	41-124%	---	---	
2,4,6-Trichlorophenol	638	26.7	53.2	ug/kg wet	4	533	---	120	39-126%	---	---	
Bis(2-ethylhexyl)phthalate	587	80.0	160	ug/kg wet	4	533	---	110	51-133%	---	---	
Butyl benzyl phthalate	607	53.2	107	ug/kg wet	4	533	---	114	48-132%	---	---	
Diethylphthalate	615	53.2	107	ug/kg wet	4	533	---	115	50-124%	---	---	
Dimethylphthalate	624	53.2	107	ug/kg wet	4	533	---	117	48-124%	---	---	
Di-n-butylphthalate	652	53.2	107	ug/kg wet	4	533	---	122	51-128%	---	---	
Di-n-octyl phthalate	639	53.2	107	ug/kg wet	4	533	---	120	45-140%	---	---	
N-Nitrosodimethylamine	470	13.3	26.7	ug/kg wet	4	533	---	88	23-120%	---	---	
N-Nitroso-di-n-propylamine	541	13.3	26.7	ug/kg wet	4	533	---	102	36-120%	---	---	
N-Nitrosodiphenylamine	593	13.3	26.7	ug/kg wet	4	533	---	111	38-127%	---	---	
Bis(2-Chloroethoxy) methane	558	13.3	26.7	ug/kg wet	4	533	---	105	36-121%	---	---	
Bis(2-Chloroethyl) ether	519	13.3	26.7	ug/kg wet	4	533	---	97	31-120%	---	---	
2,2'-Oxybis(1-Chloropropane)	463	13.3	26.7	ug/kg wet	4	533	---	87	39-120%	---	---	
Hexachlorobenzene	638	5.32	10.7	ug/kg wet	4	533	---	120	45-122%	---	---	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
LCS (23C1019-BS1)			Prepared: 03/27/23 07:35		Analyzed: 03/27/23 17:00							**Q-18**
Hexachlorobutadiene	585	13.3	26.7	ug/kg wet	4	533	---	110	32-123%	---	---	
Hexachlorocyclopentadiene	665	26.7	53.2	ug/kg wet	4	533	---	125	10-140%	---	---	
Hexachloroethane	523	13.3	26.7	ug/kg wet	4	533	---	98	28-120%	---	---	
2-Chloronaphthalene	598	5.32	10.7	ug/kg wet	4	533	---	112	41-120%	---	---	
1,2,4-Trichlorobenzene	601	13.3	26.7	ug/kg wet	4	533	---	113	34-120%	---	---	
4-Bromophenyl phenyl ether	650	13.3	26.7	ug/kg wet	4	533	---	122	46-124%	---	---	
4-Chlorophenyl phenyl ether	628	13.3	26.7	ug/kg wet	4	533	---	118	45-121%	---	---	
Aniline	404	26.7	53.2	ug/kg wet	4	533	---	76	10-120%	---	---	Q-31
4-Chloroaniline	472	13.3	26.7	ug/kg wet	4	533	---	89	17-120%	---	---	
2-Nitroaniline	607	107	213	ug/kg wet	4	533	---	114	44-127%	---	---	
3-Nitroaniline	622	107	213	ug/kg wet	4	533	---	117	33-120%	---	---	
4-Nitroaniline	581	107	213	ug/kg wet	4	533	---	109	51-125%	---	---	
Nitrobenzene	534	53.2	107	ug/kg wet	4	533	---	100	34-122%	---	---	
2,4-Dinitrotoluene	652	53.2	107	ug/kg wet	4	533	---	122	48-126%	---	---	
2,6-Dinitrotoluene	613	53.2	107	ug/kg wet	4	533	---	115	46-124%	---	---	
Benzoic acid	1380	668	1330	ug/kg wet	4	1070	---	129	10-140%	---	---	
Benzyl alcohol	527	26.7	53.2	ug/kg wet	4	533	---	99	29-122%	---	---	
Isophorone	547	13.3	26.7	ug/kg wet	4	533	---	103	30-122%	---	---	
Azobenzene (1,2-DPH)	508	13.3	26.7	ug/kg wet	4	533	---	95	39-125%	---	---	
Bis(2-Ethylhexyl) adipate	604	133	267	ug/kg wet	4	533	---	113	61-121%	---	---	
3,3'-Dichlorobenzidine	2190	107	213	ug/kg wet	4	1070	---	**205**	**22-121%**	---	---	Q-29, Q-52
1,2-Dinitrobenzene	640	133	267	ug/kg wet	4	533	---	120	44-120%	---	---	
1,3-Dinitrobenzene	640	133	267	ug/kg wet	4	533	---	120	43-127%	---	---	
1,4-Dinitrobenzene	697	133	267	ug/kg wet	4	533	---	131	37-132%	---	---	
Pyridine	352	26.7	53.2	ug/kg wet	4	533	---	66	10-120%	---	---	
1,2-Dichlorobenzene	525	13.3	26.7	ug/kg wet	4	533	---	98	33-120%	---	---	
1,3-Dichlorobenzene	530	13.3	26.7	ug/kg wet	4	533	---	99	30-120%	---	---	
1,4-Dichlorobenzene	522	13.3	26.7	ug/kg wet	4	533	---	98	31-120%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 96 %*		*Limits: 37-122 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*103 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*96 %*		*33-122 %*			*"*				
p-Terphenyl-d14 (Surr)			*119 %*		*54-127 %*			*"*				
2-Fluorophenol (Surr)			*98 %*		*35-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*117 %*		*39-132 %*			*"*				Q-41

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Duplicate (23C1019-DUP1)				Prepared: 03/27/23 07:35 Analyzed: 03/27/23 18:09								
QC Source Sample: T-201-031723-3 (A3C0674-01)												
EPA 8270E												
Acenaphthene	**49000**	1880	3780	ug/kg dry	1000	---	42700	---	---	14	30%	
Acenaphthylene	ND	4960	4960	ug/kg dry	1000	---	ND	---	---	---	30%	R-02
Anthracene	**33600**	1880	3780	ug/kg dry	1000	---	28600	---	---	16	30%	
Benz(a)anthracene	**20800**	1880	3780	ug/kg dry	1000	---	18000	---	---	15	30%	
Benzo(a)pyrene	**26800**	2830	5660	ug/kg dry	1000	---	24100	---	---	11	30%	
Benzo(b)fluoranthene	**19400**	2830	5660	ug/kg dry	1000	---	17500	---	---	10	30%	B-02
Benzo(k)fluoranthene	**8610**	2830	5660	ug/kg dry	1000	---	7970	---	---	8	30%	M-05
Benzo(g,h,i)perylene	**15400**	1880	3780	ug/kg dry	1000	---	14200	---	---	8	30%	
Chrysene	**25600**	1880	3780	ug/kg dry	1000	---	22200	---	---	14	30%	
Dibenz(a,h)anthracene	ND	1880	3780	ug/kg dry	1000	---	ND	---	---	---	30%	
Fluoranthene	**89300**	1880	3780	ug/kg dry	1000	---	77800	---	---	14	30%	
Fluorene	**33900**	1880	3780	ug/kg dry	1000	---	29500	---	---	14	30%	
Indeno(1,2,3-cd)pyrene	**13500**	1880	3780	ug/kg dry	1000	---	12400	---	---	8	30%	
1-Methylnaphthalene	**44300**	3780	7550	ug/kg dry	1000	---	36700	---	---	19	30%	
2-Methylnaphthalene	**64900**	3780	7550	ug/kg dry	1000	---	53600	---	---	19	30%	
Naphthalene	**54900**	3780	7550	ug/kg dry	1000	---	47700	---	---	14	30%	B
Phenanthrene	**186000**	1880	3780	ug/kg dry	1000	---	164000	---	---	12	30%	
Pyrene	**109000**	1880	3780	ug/kg dry	1000	---	96400	---	---	12	30%	
Carbazole	**3530**	2830	5660	ug/kg dry	1000	---	3390	---	---	4	30%	J
Dibenzofuran	**6020**	1880	3780	ug/kg dry	1000	---	5110	---	---	16	30%	
2-Chlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Chloro-3-methylphenol	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4-Dichlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4-Dimethylphenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4-Dinitrophenol	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
4,6-Dinitro-2-methylphenol	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
2-Methylphenol	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
3+4-Methylphenol(s)	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
2-Nitrophenol	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Nitrophenol	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
Pentachlorophenol (PCP)	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Duplicate (23C1019-DUP1)			Prepared: 03/27/23 07:35 Analyzed: 03/27/23 18:09									
QC Source Sample: T-201-031723-3 (A3C0674-01)												
Phenol	ND	3780	7550	ug/kg dry	1000	---	ND	---	---	---	30%	
2,3,4,6-Tetrachlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,3,5,6-Tetrachlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4,5-Trichlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4,6-Trichlorophenol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
Bis(2-ethylhexyl)phthalate	ND	28300	56600	ug/kg dry	1000	---	ND	---	---	---	30%	
Butyl benzyl phthalate	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
Diethylphthalate	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
Dimethylphthalate	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
Di-n-butylphthalate	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
Di-n-octyl phthalate	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
N-Nitrosodimethylamine	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
N-Nitroso-di-n-propylamine	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
N-Nitrosodiphenylamine	ND	9440	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Bis(2-Chloroethoxy) methane	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Bis(2-Chloroethyl) ether	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
2,2'-Oxybis(1-Chloropropane)	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Hexachlorobenzene	ND	1880	3780	ug/kg dry	1000	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Hexachlorocyclopentadiene	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
Hexachloroethane	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
2-Chloronaphthalene	ND	1880	3780	ug/kg dry	1000	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Bromophenyl phenyl ether	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Chlorophenyl phenyl ether	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Aniline	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Chloroaniline	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
2-Nitroaniline	ND	37800	75500	ug/kg dry	1000	---	ND	---	---	---	30%	
3-Nitroaniline	ND	37800	75500	ug/kg dry	1000	---	ND	---	---	---	30%	
4-Nitroaniline	ND	37800	75500	ug/kg dry	1000	---	ND	---	---	---	30%	
Nitrobenzene	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,4-Dinitrotoluene	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	
2,6-Dinitrotoluene	ND	18800	37800	ug/kg dry	1000	---	ND	---	---	---	30%	

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APEX LABORATORIES

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C1019 - EPA 3546							**Solid**					
Duplicate (23C1019-DUP1)			Prepared: 03/27/23 07:35		Analyzed: 03/27/23 18:09							
QC Source Sample: T-201-031723-3 (A3C0674-01)												
Benzoic acid	ND	236000	472000	ug/kg dry	1000	---	ND	---	---	---	30%	
Benzyl alcohol	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
Isophorone	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Azobenzene (1,2-DPH)	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Bis(2-Ethylhexyl) adipate	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
3,3'-Dichlorobenzidine	ND	37800	75500	ug/kg dry	1000	---	ND	---	---	---	30%	Q-52
1,2-Dinitrobenzene	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
1,3-Dinitrobenzene	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
1,4-Dinitrobenzene	ND	47200	94400	ug/kg dry	1000	---	ND	---	---	---	30%	
Pyridine	ND	9440	18800	ug/kg dry	1000	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	4720	9440	ug/kg dry	1000	---	ND	---	---	---	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 88 %*		*Limits: 37-122 %*		*Dilution: 1000x*					S-05
2-Fluorobiphenyl (Surr)			*121 %*		*44-120 %*		*"*					S-05
Phenol-d6 (Surr)			*57 %*		*33-122 %*		*"*					S-05
p-Terphenyl-d14 (Surr)			*139 %*		*54-127 %*		*"*					S-05
2-Fluorophenol (Surr)			*56 %*		*35-120 %*		*"*					S-05
2,4,6-Tribromophenol (Surr)			*1220 %*		*39-132 %*		*"*					S-05

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
Blank (23C0864-BLK1)			Prepared: 03/22/23 11:27		Analyzed: 03/23/23 12:32							**TCLPa**
1311/8270E-LL												
Acenaphthene	**0.139**	0.100	0.200	ug/L	1	---	---	---	---	---	---	J, B-02
Acenaphthylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	**0.337**	0.200	0.400	ug/L	1	---	---	---	---	---	---	J, B-02
2-Methylnaphthalene	**0.580**	0.200	0.400	ug/L	1	---	---	---	---	---	---	B
Naphthalene	**2.83**	0.200	0.400	ug/L	1	---	---	---	---	---	---	B
Phenanthrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Phenol	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	

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ORELAP ID: **OR100062**

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
Blank (23C0864-BLK1)			Prepared: 03/22/23 11:27		Analyzed: 03/23/23 12:32							**TCLPa**
2,3,5,6-Tetrachlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	**3.44**	2.00	4.00	ug/L	1	---	---	---	---	---	---	J, B-02
Dimethylphthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Hexachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	0.0500	0.500	ug/L	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Aniline	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chloroaniline	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
3-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
4-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Nitrobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzoic acid	ND	12.5	25.0	ug/L	1	---	---	---	---	---	---	
Benzyl alcohol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Isophorone	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
Blank (23C0864-BLK1)			Prepared: 03/22/23 11:27		Analyzed: 03/23/23 12:32							**TCLPa**
Azobenzene (1,2-DPH)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
Pyridine	ND	1.00	2.00	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	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 74 %*		*Limits: 44-120 %*				*Dilution: 1x*			
2-Fluorobiphenyl (Surr)			*69 %*		*44-120 %*				*"*			
Phenol-d6 (Surr)			*37 %*		*10-133 %*				*"*			
p-Terphenyl-d14 (Surr)			*96 %*		*50-134 %*				*"*			
2-Fluorophenol (Surr)			*57 %*		*19-120 %*				*"*			
2,4,6-Tribromophenol (Surr)			*87 %*		*43-140 %*				*"*			
Blank (23C0864-BLK2)			Prepared: 03/22/23 12:49		Analyzed: 03/23/23 13:06							**TCLP**
1311/8270E-LL												
Acenaphthene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Naphthalene	**0.434**	0.200	0.400	ug/L	1	---	---	---	---	---	---	B

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							Soil					
Blank (23C0864-BLK2)			Prepared: 03/22/23 12:49		Analyzed: 03/23/23 13:06							TCLP
Phenanthrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.150	0.300	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Phenol	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,3,5,6-Tetrachlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							Soil					
Blank (23C0864-BLK2)			Prepared: 03/22/23 12:49		Analyzed: 03/23/23 13:06							TCLP
Hexachlorocyclopentadiene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Hexachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	0.0500	0.500	ug/L	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Aniline	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chloroaniline	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
2-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
3-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
4-Nitroaniline	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
Nitrobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzoic acid	ND	12.5	25.0	ug/L	1	---	---	---	---	---	---	
Benzyl alcohol	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Isophorone	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Azobenzene (1,2-DPH)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
Pyridine	ND	1.00	2.00	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	---	---	---	---	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 71 %*	*Limits: 44-120 %*	*Dilution: 1x*	
2-Fluorobiphenyl (Surr)	*65 %*	*44-120 %*	*"*	
Phenol-d6 (Surr)	*19 %*	*10-133 %*	*"*	
p-Terphenyl-d14 (Surr)	*96 %*	*50-134 %*	*"*	
2-Fluorophenol (Surr)	*35 %*	*19-120 %*	*"*	
2,4,6-Tribromophenol (Surr)	*84 %*	*43-140 %*	*"*	

LCS (23C0864-BS1) Prepared: 03/22/23 11:27 Analyzed: 03/23/23 13:41

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Tigard, OR 97223
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ORELAP ID: OR100062

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
LCS (23C0864-BS1)			Prepared: 03/22/23 11:27 Analyzed: 03/23/23 13:41									
1311/8270E-LL												
Acenaphthene	23.6	0.400	0.800	ug/L	4	40.0	---	59	47-122%	---	---	B-02
Acenaphthylene	26.7	0.400	0.800	ug/L	4	40.0	---	67	41-130%	---	---	
Anthracene	33.9	0.400	0.800	ug/L	4	40.0	---	85	57-123%	---	---	
Benz(a)anthracene	35.1	0.400	0.800	ug/L	4	40.0	---	88	58-125%	---	---	
Benzo(a)pyrene	37.0	0.600	1.20	ug/L	4	40.0	---	92	54-128%	---	---	
Benzo(b)fluoranthene	38.3	0.600	1.20	ug/L	4	40.0	---	96	53-131%	---	---	
Benzo(k)fluoranthene	36.4	0.600	1.20	ug/L	4	40.0	---	91	57-129%	---	---	
Benzo(g,h,i)perylene	33.8	0.400	0.800	ug/L	4	40.0	---	85	50-134%	---	---	
Chrysene	35.4	0.400	0.800	ug/L	4	40.0	---	89	59-123%	---	---	
Dibenz(a,h)anthracene	36.2	0.400	0.800	ug/L	4	40.0	---	91	51-134%	---	---	
Fluoranthene	38.3	0.400	0.800	ug/L	4	40.0	---	96	57-128%	---	---	
Fluorene	30.1	0.400	0.800	ug/L	4	40.0	---	75	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	35.1	0.400	0.800	ug/L	4	40.0	---	88	52-134%	---	---	
1-Methylnaphthalene	19.4	0.800	1.60	ug/L	4	40.0	---	48	41-120%	---	---	B-02
2-Methylnaphthalene	19.4	0.800	1.60	ug/L	4	40.0	---	49	40-121%	---	---	B
Naphthalene	19.6	0.800	1.60	ug/L	4	40.0	---	49	40-121%	---	---	B
Phenanthrene	32.0	0.400	0.800	ug/L	4	40.0	---	80	59-120%	---	---	
Pyrene	38.7	0.400	0.800	ug/L	4	40.0	---	97	57-126%	---	---	
Carbazole	37.7	0.600	1.20	ug/L	4	40.0	---	94	60-122%	---	---	
Dibenzofuran	27.2	0.400	0.800	ug/L	4	40.0	---	68	53-120%	---	---	
2-Chlorophenol	28.5	2.00	4.00	ug/L	4	40.0	---	71	38-120%	---	---	
4-Chloro-3-methylphenol	33.6	4.00	8.00	ug/L	4	40.0	---	84	52-120%	---	---	
2,4-Dichlorophenol	34.1	2.00	4.00	ug/L	4	40.0	---	85	47-121%	---	---	
2,4-Dimethylphenol	30.6	2.00	4.00	ug/L	4	40.0	---	77	31-124%	---	---	
2,4-Dinitrophenol	53.4	10.0	20.0	ug/L	4	40.0	---	134	23-143%	---	---	Q-41
4,6-Dinitro-2-methylphenol	49.5	10.0	20.0	ug/L	4	40.0	---	124	44-137%	---	---	Q-41
2-Methylphenol	24.7	1.00	2.00	ug/L	4	40.0	---	62	30-120%	---	---	
3+4-Methylphenol(s)	22.0	1.00	2.00	ug/L	4	40.0	---	55	29-120%	---	---	
2-Nitrophenol	38.4	4.00	8.00	ug/L	4	40.0	---	96	47-123%	---	---	Q-41
4-Nitrophenol	10.7	4.00	8.00	ug/L	4	40.0	---	27	10-120%	---	---	
Pentachlorophenol (PCP)	32.0	4.00	8.00	ug/L	4	40.0	---	80	35-138%	---	---	
Phenol	12.2	8.00	8.00	ug/L	4	40.0	---	31	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	37.2	2.00	4.00	ug/L	4	40.0	---	93	50-128%	---	---	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
LCS (23C0864-BS1)			Prepared: 03/22/23 11:27 Analyzed: 03/23/23 13:41									
2,3,5,6-Tetrachlorophenol	36.5	2.00	4.00	ug/L	4	40.0	---	91	50-121%	---	---	
2,4,5-Trichlorophenol	37.6	2.00	4.00	ug/L	4	40.0	---	94	53-123%	---	---	
2,4,6-Trichlorophenol	34.9	2.00	4.00	ug/L	4	40.0	---	87	50-125%	---	---	
Bis(2-ethylhexyl)phthalate	33.8	8.00	16.0	ug/L	4	40.0	---	85	55-135%	---	---	
Butyl benzyl phthalate	34.8	8.00	16.0	ug/L	4	40.0	---	87	53-134%	---	---	
Diethylphthalate	35.6	8.00	16.0	ug/L	4	40.0	---	89	56-125%	---	---	B-02
Dimethylphthalate	35.5	8.00	16.0	ug/L	4	40.0	---	89	45-127%	---	---	
Di-n-butylphthalate	38.4	8.00	16.0	ug/L	4	40.0	---	96	59-127%	---	---	
Di-n-octyl phthalate	40.4	8.00	16.0	ug/L	4	40.0	---	101	51-140%	---	---	
N-Nitrosodimethylamine	16.1	1.00	2.00	ug/L	4	40.0	---	40	19-120%	---	---	
N-Nitroso-di-n-propylamine	32.3	1.00	2.00	ug/L	4	40.0	---	81	49-120%	---	---	
N-Nitrosodiphenylamine	31.5	1.00	2.00	ug/L	4	40.0	---	79	51-123%	---	---	
Bis(2-Chloroethoxy) methane	29.7	1.00	2.00	ug/L	4	40.0	---	74	48-120%	---	---	
Bis(2-Chloroethyl) ether	27.7	1.00	2.00	ug/L	4	40.0	---	69	43-120%	---	---	
2,2'-Oxybis(1-Chloropropane)	23.6	1.00	2.00	ug/L	4	40.0	---	59	41-120%	---	---	
Hexachlorobenzene	32.8	0.400	0.800	ug/L	4	40.0	---	82	53-125%	---	---	
Hexachlorobutadiene	11.6	1.00	2.00	ug/L	4	40.0	---	29	22-124%	---	---	
Hexachlorocyclopentadiene	5.16	2.00	4.00	ug/L	4	40.0	---	13	10-127%	---	---	Q-41
Hexachloroethane	10.5	1.00	2.00	ug/L	4	40.0	---	26	21-120%	---	---	
2-Chloronaphthalene	20.3	0.400	0.800	ug/L	4	40.0	---	51	40-120%	---	---	
1,2,4-Trichlorobenzene	14.9	0.200	2.00	ug/L	4	40.0	---	37	29-120%	---	---	
4-Bromophenyl phenyl ether	30.3	1.00	2.00	ug/L	4	40.0	---	76	55-124%	---	---	
4-Chlorophenyl phenyl ether	27.7	1.00	2.00	ug/L	4	40.0	---	69	53-121%	---	---	
Aniline	23.4	2.00	4.00	ug/L	4	40.0	---	58	10-120%	---	---	
4-Chloroaniline	28.3	1.00	2.00	ug/L	4	40.0	---	71	33-120%	---	---	
2-Nitroaniline	36.1	8.00	16.0	ug/L	4	40.0	---	90	55-127%	---	---	
3-Nitroaniline	37.1	8.00	16.0	ug/L	4	40.0	---	93	41-128%	---	---	Q-41
4-Nitroaniline	38.4	8.00	16.0	ug/L	4	40.0	---	96	25-120%	---	---	
Nitrobenzene	28.7	4.00	8.00	ug/L	4	40.0	---	72	45-121%	---	---	
2,4-Dinitrotoluene	38.2	4.00	8.00	ug/L	4	40.0	---	95	57-128%	---	---	
2,6-Dinitrotoluene	34.8	4.00	8.00	ug/L	4	40.0	---	87	57-124%	---	---	
Benzoic acid	ND	50.0	100	ug/L	4	80.0	---		**10-120%**	---	---	Q-41
Benzyl alcohol	23.2	4.00	8.00	ug/L	4	40.0	---	58	31-120%	---	---	
Isophorone	31.1	1.00	2.00	ug/L	4	40.0	---	78	42-124%	---	---	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
LCS (23C0864-BS1)			Prepared: 03/22/23 11:27 Analyzed: 03/23/23 13:41									
Azobenzene (1,2-DPH)	27.1	1.00	2.00	ug/L	4	40.0	---	68	61-120%	---	---	
Bis(2-Ethylhexyl) adipate	34.6	10.0	20.0	ug/L	4	40.0	---	86	63-121%	---	---	
1,2-Dinitrobenzene	36.4	10.0	20.0	ug/L	4	40.0	---	91	59-120%	---	---	
1,3-Dinitrobenzene	36.3	10.0	20.0	ug/L	4	40.0	---	91	49-128%	---	---	
1,4-Dinitrobenzene	39.3	10.0	20.0	ug/L	4	40.0	---	98	54-120%	---	---	
Pyridine	15.3	4.00	8.00	ug/L	4	40.0	---	38	10-120%	---	---	
1,2-Dichlorobenzene	13.8	1.00	2.00	ug/L	4	40.0	---	34	32-120%	---	---	
1,3-Dichlorobenzene	12.8	1.00	2.00	ug/L	4	40.0	---	32	28-120%	---	---	
1,4-Dichlorobenzene	12.9	1.00	2.00	ug/L	4	40.0	---	32	29-120%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 76 %*		*Limits: 44-120 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*24 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*92 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*40 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*95 %*		*43-140 %*			*"*				
LCS Dup (23C0864-BSD1)			Prepared: 03/22/23 11:27 Analyzed: 03/23/23 14:16									**Q-19**
1311/8270E-LL												
Acenaphthene	24.1	0.400	0.800	ug/L	4	40.0	---	60	47-122%	2	30%	B-02
Acenaphthylene	27.6	0.400	0.800	ug/L	4	40.0	---	69	41-130%	3	30%	
Anthracene	37.1	0.400	0.800	ug/L	4	40.0	---	93	57-123%	9	30%	
Benz(a)anthracene	39.1	0.400	0.800	ug/L	4	40.0	---	98	58-125%	11	30%	
Benzo(a)pyrene	39.7	0.600	1.20	ug/L	4	40.0	---	99	54-128%	7	30%	
Benzo(b)fluoranthene	41.4	0.600	1.20	ug/L	4	40.0	---	103	53-131%	8	30%	
Benzo(k)fluoranthene	41.3	0.600	1.20	ug/L	4	40.0	---	103	57-129%	12	30%	
Benzo(g,h,i)perylene	35.0	0.400	0.800	ug/L	4	40.0	---	88	50-134%	3	30%	
Chrysene	38.9	0.400	0.800	ug/L	4	40.0	---	97	59-123%	9	30%	
Dibenz(a,h)anthracene	38.3	0.400	0.800	ug/L	4	40.0	---	96	51-134%	6	30%	
Fluoranthene	41.4	0.400	0.800	ug/L	4	40.0	---	104	57-128%	8	30%	
Fluorene	31.8	0.400	0.800	ug/L	4	40.0	---	80	52-124%	6	30%	
Indeno(1,2,3-cd)pyrene	37.6	0.400	0.800	ug/L	4	40.0	---	94	52-134%	7	30%	
1-Methylnaphthalene	20.3	0.800	1.60	ug/L	4	40.0	---	51	41-120%	5	30%	B-02
2-Methylnaphthalene	19.8	0.800	1.60	ug/L	4	40.0	---	50	40-121%	2	30%	B
Naphthalene	20.3	0.800	1.60	ug/L	4	40.0	---	51	40-121%	3	30%	B

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							**Soil**					
LCS Dup (23C0864-BSD1)			Prepared: 03/22/23 11:27		Analyzed: 03/23/23 14:16							**Q-19**
Phenanthrene	34.4	0.400	0.800	ug/L	4	40.0	---	86	59-120%	7	30%	
Pyrene	41.8	0.400	0.800	ug/L	4	40.0	---	104	57-126%	8	30%	
Carbazole	40.1	0.600	1.20	ug/L	4	40.0	---	100	60-122%	6	30%	
Dibenzofuran	28.5	0.400	0.800	ug/L	4	40.0	---	71	53-120%	5	30%	
2-Chlorophenol	29.7	2.00	4.00	ug/L	4	40.0	---	74	38-120%	4	30%	
4-Chloro-3-methylphenol	37.0	4.00	8.00	ug/L	4	40.0	---	93	52-120%	10	30%	
2,4-Dichlorophenol	36.0	2.00	4.00	ug/L	4	40.0	---	90	47-121%	5	30%	
2,4-Dimethylphenol	31.9	2.00	4.00	ug/L	4	40.0	---	80	31-124%	4	30%	
2,4-Dinitrophenol	52.8	10.0	20.0	ug/L	4	40.0	---	132	23-143%	1	30%	Q-41
4,6-Dinitro-2-methylphenol	49.9	10.0	20.0	ug/L	4	40.0	---	125	44-137%	0.8	30%	Q-41
2-Methylphenol	26.1	1.00	2.00	ug/L	4	40.0	---	65	30-120%	5	30%	
3+4-Methylphenol(s)	24.0	1.00	2.00	ug/L	4	40.0	---	60	29-120%	9	30%	
2-Nitrophenol	40.2	4.00	8.00	ug/L	4	40.0	---	100	47-123%	4	30%	Q-41
4-Nitrophenol	11.8	4.00	8.00	ug/L	4	40.0	---	29	10-120%	9	30%	
Pentachlorophenol (PCP)	32.3	4.00	8.00	ug/L	4	40.0	---	81	35-138%	1	30%	
Phenol	13.3	8.00	8.00	ug/L	4	40.0	---	33	10-120%	8	30%	
2,3,4,6-Tetrachlorophenol	39.6	2.00	4.00	ug/L	4	40.0	---	99	50-128%	6	30%	
2,3,5,6-Tetrachlorophenol	39.0	2.00	4.00	ug/L	4	40.0	---	98	50-121%	7	30%	
2,4,5-Trichlorophenol	39.5	2.00	4.00	ug/L	4	40.0	---	99	53-123%	5	30%	
2,4,6-Trichlorophenol	36.6	2.00	4.00	ug/L	4	40.0	---	91	50-125%	5	30%	
Bis(2-ethylhexyl)phthalate	36.3	8.00	16.0	ug/L	4	40.0	---	91	55-135%	7	30%	
Butyl benzyl phthalate	38.1	8.00	16.0	ug/L	4	40.0	---	95	53-134%	9	30%	
Diethylphthalate	38.7	8.00	16.0	ug/L	4	40.0	---	97	56-125%	8	30%	B-02
Dimethylphthalate	38.0	8.00	16.0	ug/L	4	40.0	---	95	45-127%	7	30%	
Di-n-butylphthalate	41.7	8.00	16.0	ug/L	4	40.0	---	104	59-127%	8	30%	
Di-n-octyl phthalate	43.0	8.00	16.0	ug/L	4	40.0	---	107	51-140%	6	30%	
N-Nitrosodimethylamine	16.9	1.00	2.00	ug/L	4	40.0	---	42	19-120%	4	30%	
N-Nitroso-di-n-propylamine	36.1	1.00	2.00	ug/L	4	40.0	---	90	49-120%	11	30%	
N-Nitrosodiphenylamine	34.2	1.00	2.00	ug/L	4	40.0	---	86	51-123%	8	30%	
Bis(2-Chloroethoxy) methane	31.8	1.00	2.00	ug/L	4	40.0	---	79	48-120%	7	30%	
Bis(2-Chloroethyl) ether	29.7	1.00	2.00	ug/L	4	40.0	---	74	43-120%	7	30%	
2,2'-Oxybis(1-Chloropropane)	25.4	1.00	2.00	ug/L	4	40.0	---	63	41-120%	7	30%	
Hexachlorobenzene	36.3	0.400	0.800	ug/L	4	40.0	---	91	53-125%	10	30%	
Hexachlorobutadiene	10.4	1.00	2.00	ug/L	4	40.0	---	26	22-124%	10	30%	

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0864 - EPA 1311/3510C (BNA Extraction)							Soil					
LCS Dup (23C0864-BSD1)			Prepared: 03/22/23 11:27		Analyzed: 03/23/23 14:16							Q-19
Hexachlorocyclopentadiene	5.11	2.00	4.00	ug/L	4	40.0	---	13	10-127%	1	30%	Q-41
Hexachloroethane	9.29	1.00	2.00	ug/L	4	40.0	---	23	21-120%	13	30%	
2-Chloronaphthalene	19.9	0.400	0.800	ug/L	4	40.0	---	50	40-120%	2	30%	
1,2,4-Trichlorobenzene	14.1	0.200	2.00	ug/L	4	40.0	---	35	29-120%	6	30%	
4-Bromophenyl phenyl ether	33.2	1.00	2.00	ug/L	4	40.0	---	83	55-124%	9	30%	
4-Chlorophenyl phenyl ether	28.9	1.00	2.00	ug/L	4	40.0	---	72	53-121%	4	30%	
Aniline	25.4	2.00	4.00	ug/L	4	40.0	---	64	10-120%	8	30%	
4-Chloroaniline	30.4	1.00	2.00	ug/L	4	40.0	---	76	33-120%	7	30%	
2-Nitroaniline	38.4	8.00	16.0	ug/L	4	40.0	---	96	55-127%	6	30%	
3-Nitroaniline	39.7	8.00	16.0	ug/L	4	40.0	---	99	41-128%	7	30%	Q-41
4-Nitroaniline	39.7	8.00	16.0	ug/L	4	40.0	---	99	25-120%	3	30%	
Nitrobenzene	30.6	4.00	8.00	ug/L	4	40.0	---	77	45-121%	7	30%	
2,4-Dinitrotoluene	40.9	4.00	8.00	ug/L	4	40.0	---	102	57-128%	7	30%	
2,6-Dinitrotoluene	37.8	4.00	8.00	ug/L	4	40.0	---	94	57-124%	8	30%	
Benzoic acid	52.9	50.0	50.0	ug/L	4	80.0	---	66	10-120%	7	30%	Q-41
Benzyl alcohol	25.8	4.00	8.00	ug/L	4	40.0	---	65	31-120%	11	30%	
Isophorone	34.3	1.00	2.00	ug/L	4	40.0	---	86	42-124%	10	30%	
Azobenzene (1,2-DPH)	28.9	1.00	2.00	ug/L	4	40.0	---	72	61-120%	6	30%	
Bis(2-Ethylhexyl) adipate	38.1	10.0	20.0	ug/L	4	40.0	---	95	63-121%	10	30%	
1,2-Dinitrobenzene	39.1	10.0	20.0	ug/L	4	40.0	---	98	59-120%	7	30%	
1,3-Dinitrobenzene	39.1	10.0	20.0	ug/L	4	40.0	---	98	49-128%	7	30%	
1,4-Dinitrobenzene	42.0	10.0	20.0	ug/L	4	40.0	---	105	54-120%	7	30%	
Pyridine	18.4	4.00	8.00	ug/L	4	40.0	---	46	10-120%	18	30%	
1,2-Dichlorobenzene	13.2	1.00	2.00	ug/L	4	40.0	---	33	32-120%	5	30%	
1,3-Dichlorobenzene	11.8	1.00	2.00	ug/L	4	40.0	---	29	28-120%	8	30%	
1,4-Dichlorobenzene	11.9	1.00	2.00	ug/L	4	40.0	---	30	29-120%	8	30%	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 82 %*	*Limits: 44-120 %*	*Dilution: 4x*
2-Fluorobiphenyl (Surr)	*74 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*26 %*	*10-133 %*	*"*
p-Terphenyl-d14 (Surr)	*99 %*	*50-134 %*	*"*
2-Fluorophenol (Surr)	*43 %*	*19-120 %*	*"*
2,4,6-Tribromophenol (Surr)	*100 %*	*43-140 %*	*"*

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Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

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 23C0713 - EPA 3051A							Solid					
Blank (23C0713-BLK1)			Prepared: 03/20/23 07:12		Analyzed: 03/21/23 15:36							
EPA 6020B												
Arsenic	ND	500	1000	ug/kg wet	10	---	---	---	---	---	---	
Barium	ND	500	1000	ug/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	100	200	ug/kg wet	10	---	---	---	---	---	---	
Chromium	ND	500	1000	ug/kg wet	10	---	---	---	---	---	---	
Lead	ND	100	200	ug/kg wet	10	---	---	---	---	---	---	
Mercury	ND	40.0	80.0	ug/kg wet	10	---	---	---	---	---	---	
Selenium	ND	500	1000	ug/kg wet	10	---	---	---	---	---	---	
Silver	ND	100	200	ug/kg wet	10	---	---	---	---	---	---	
LCS (23C0713-BS1)			Prepared: 03/20/23 07:12		Analyzed: 03/21/23 15:42							
EPA 6020B												
Arsenic	50000	500	1000	ug/kg wet	10	50000	---	100	80-120%	---	---	
Barium	50200	500	1000	ug/kg wet	10	50000	---	100	80-120%	---	---	
Cadmium	50500	100	200	ug/kg wet	10	50000	---	101	80-120%	---	---	
Chromium	51000	500	1000	ug/kg wet	10	50000	---	102	80-120%	---	---	
Lead	52800	100	200	ug/kg wet	10	50000	---	106	80-120%	---	---	
Mercury	984	40.0	80.0	ug/kg wet	10	1000	---	98	80-120%	---	---	
Selenium	24800	500	1000	ug/kg wet	10	25000	---	99	80-120%	---	---	
Silver	25100	100	200	ug/kg wet	10	25000	---	101	80-120%	---	---	
Duplicate (23C0713-DUP1)			Prepared: 03/20/23 07:12		Analyzed: 03/21/23 15:52							
QC Source Sample: Non-SDG (A3C0529-01)												
Arsenic	**1680**	554	1110	ug/kg wet	10	---	1710	---	---	2	20%	
Barium	**80400**	554	1110	ug/kg wet	10	---	79900	---	---	0.6	20%	
Cadmium	**173**	111	222	ug/kg wet	10	---	208	---	---	18	20%	J
Chromium	**10100**	554	1110	ug/kg wet	10	---	12200	---	---	19	20%	
Lead	**10500**	111	222	ug/kg wet	10	---	13400	---	---	**23**	**20%**	Q-04
Mercury	ND	44.3	88.7	ug/kg wet	10	---	ND	---	---	---	20%	
Selenium	ND	554	1110	ug/kg wet	10	---	ND	---	---	---	20%	
Silver	ND	111	222	ug/kg wet	10	---	ND	---	---	---	20%	
Matrix Spike (23C0713-MS1)			Prepared: 03/20/23 07:12		Analyzed: 03/21/23 15:57							

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

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 23C0713 - EPA 3051A							**Solid**					
Matrix Spike (23C0713-MS1)			Prepared: 03/20/23 07:12		Analyzed: 03/21/23 15:57							
QC Source Sample: Non-SDG (A3C0529-01)												
EPA 6020B												
Arsenic	51700	510	1020	ug/kg wet	10	51000	1710	98	75-125%	---	---	
Barium	148000	510	1020	ug/kg wet	10	51000	79900	**134**	**75-125%**	---	---	Q-04
Cadmium	51600	102	204	ug/kg wet	10	51000	208	101	75-125%	---	---	
Chromium	62300	510	1020	ug/kg wet	10	51000	12200	98	75-125%	---	---	
Lead	61000	102	204	ug/kg wet	10	51000	13400	93	75-125%	---	---	
Mercury	979	40.8	81.6	ug/kg wet	10	1020	ND	96	75-125%	---	---	
Selenium	25500	510	1020	ug/kg wet	10	25500	ND	100	75-125%	---	---	
Silver	25800	102	204	ug/kg wet	10	25500	ND	101	75-125%	---	---	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0830 - EPA 1311/3015A							**Solid**					
Blank (23C0830-BLK1)			Prepared: 03/21/23 16:02 Analyzed: 03/21/23 21:23									
1311/6020B												
Arsenic	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Barium	ND	2500	5000	ug/L	10	---	---	---	---	---	---	TCLP
Cadmium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Chromium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Lead	ND	25.0	50.0	ug/L	10	---	---	---	---	---	---	TCLP
Mercury	ND	3.75	7.00	ug/L	10	---	---	---	---	---	---	TCLP
Selenium	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
Silver	ND	50.0	100	ug/L	10	---	---	---	---	---	---	TCLP
LCS (23C0830-BS1)			Prepared: 03/21/23 16:02 Analyzed: 03/21/23 21:39									
1311/6020B												
Arsenic	5020	50.0	100	ug/L	10	5000	---	100	80-120%	---	---	TCLP
Cadmium	1030	50.0	100	ug/L	10	1000	---	103	80-120%	---	---	TCLP
Chromium	5140	50.0	100	ug/L	10	5000	---	103	80-120%	---	---	TCLP
Selenium	1010	50.0	100	ug/L	10	1000	---	101	80-120%	---	---	TCLP
LCS (23C0830-BS2)			Prepared: 03/21/23 16:02 Analyzed: 03/22/23 16:34									
1311/6020B												
Barium	9860	2500	5000	ug/L	10	10000	---	99	80-120%	---	---	Q-16, TCLP
Lead	5240	25.0	50.0	ug/L	10	5000	---	105	80-120%	---	---	Q-16, TCLP
Mercury	95.0	3.75	7.00	ug/L	10	100	---	95	80-120%	---	---	Q-16, TCLP
Silver	852	50.0	100	ug/L	10	1000	---	85	80-120%	---	---	Q-16, TCLP
Duplicate (23C0830-DUP1)			Prepared: 03/21/23 16:02 Analyzed: 03/21/23 21:50									
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1311/6020B												
Arsenic	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Barium	ND	2500	5000	ug/L	10	---	ND	---	---	---	20%	
Cadmium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Chromium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	
Selenium	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0830 - EPA 1311/3015A							**Solid**					
Duplicate (23C0830-DUP2)			Prepared: 03/21/23 16:02 Analyzed: 03/22/23 16:43									
QC Source Sample: T-201-031723-3 (A3C0674-01RE1)												
1311/6020B												
Lead	ND	25.0	50.0	ug/L	10	---	ND	---	---	---	20%	Q-16
Mercury	ND	3.75	7.00	ug/L	10	---	ND	---	---	---	20%	Q-16
Silver	ND	50.0	100	ug/L	10	---	ND	---	---	---	20%	Q-16
Matrix Spike (23C0830-MS1)			Prepared: 03/21/23 16:02 Analyzed: 03/21/23 21:55									
QC Source Sample: T-201-031723-3 (A3C0674-01)												
1311/6020B												
Arsenic	4970	50.0	100	ug/L	10	5000	ND	99	50-150%	---	---	
Cadmium	1010	50.0	100	ug/L	10	1000	ND	101	50-150%	---	---	
Chromium	5110	50.0	100	ug/L	10	5000	ND	102	50-150%	---	---	
Selenium	1010	50.0	100	ug/L	10	1000	ND	101	50-150%	---	---	
Matrix Spike (23C0830-MS2)			Prepared: 03/21/23 16:02 Analyzed: 03/22/23 16:48									
QC Source Sample: T-201-031723-3 (A3C0674-01RE1)												
1311/6020B												
Barium	11100	2500	5000	ug/L	10	10000	ND	111	50-150%	---	---	Q-16
Lead	5290	25.0	50.0	ug/L	10	5000	ND	106	50-150%	---	---	Q-16
Mercury	95.0	3.75	7.00	ug/L	10	100	ND	95	50-150%	---	---	Q-16
Silver	908	50.0	100	ug/L	10	1000	ND	91	50-150%	---	---	Q-16

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0850 - ASTM D7511-12mod (S)							Soil					
Blank (23C0850-BLK2)			Prepared: 03/22/23 09:18		Analyzed: 03/23/23 11:11							
D7511-12												
Total Cyanide	ND	50.0	100	ug/kg wet	1	---	---	---	---	---	---	Q-16
LCS (23C0850-BS2)			Prepared: 03/22/23 09:18		Analyzed: 03/23/23 11:13							
D7511-12												
Total Cyanide	394	50.0	100	ug/kg wet	1	400	---	99	84-116%	---	---	Q-16
Matrix Spike (23C0850-MS2)			Prepared: 03/22/23 09:18		Analyzed: 03/23/23 11:21							
QC Source Sample: Non-SDG (A3C0669-01)												
D7511-12												
Total Cyanide	978	60.4	121	ug/kg dry	1	483	519	95	64-136%	---	---	Q-16
Matrix Spike Dup (23C0850-MSD2)			Prepared: 03/22/23 09:18		Analyzed: 03/23/23 11:23							
QC Source Sample: Non-SDG (A3C0669-01)												
Total Cyanide	1020	60.0	120	ug/kg dry	1	480	519	105	64-136%	4	47%	Q-16

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23C0750 - Total Solids (Dry Weight)							**Soil**					
Duplicate (23C0750-DUP1)			Prepared: 03/20/23 12:02		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0662-01)												
% Solids	**84.5**	1.00	1.00	%	1	---	87.4	---	---	3	10%	
Duplicate (23C0750-DUP2)			Prepared: 03/20/23 12:02		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0662-05)												
% Solids	**90.2**	1.00	1.00	%	1	---	89.5	---	---	0.8	10%	
Duplicate (23C0750-DUP3)			Prepared: 03/20/23 12:02		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0662-08)												
% Solids	**91.0**	1.00	1.00	%	1	---	92.2	---	---	1	10%	
Duplicate (23C0750-DUP4)			Prepared: 03/20/23 12:02		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0667-03)												
% Solids	**83.3**	1.00	1.00	%	1	---	83.5	---	---	0.3	10%	
Duplicate (23C0750-DUP5)			Prepared: 03/20/23 12:02		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0667-04)												
% Solids	**87.5**	1.00	1.00	%	1	---	89.4	---	---	2	10%	
Duplicate (23C0750-DUP6)			Prepared: 03/20/23 17:58		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0712-01)												
% Solids	**77.8**	1.00	1.00	%	1	---	80.4	---	---	3	10%	
Duplicate (23C0750-DUP7)			Prepared: 03/20/23 17:58		Analyzed: 03/21/23 06:34							
QC Source Sample: Non-SDG (A3C0732-01)												
% Solids	**82.1**	1.00	1.00	%	1	---	83.6	---	---	2	10%	

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

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0876							
A3C0674-01	Solid	NWTPH-Dx	03/17/23 08:00	03/22/23 13:46	10.05g/5mL	10g/5mL	1.00

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

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0784							
A3C0674-01	Solid	NWTPH-Gx (MS)	03/17/23 08:00	03/17/23 17:20	5.65g/5mL	5g/5mL	0.89

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0784							
A3C0674-01	Solid	5035A/8260D	03/17/23 08:00	03/17/23 17:20	5.65g/5mL	5g/5mL	0.89
Batch: 23C0846							
A3C0674-01RE1	Solid	5035A/8260D	03/17/23 08:00	03/17/23 17:20	5.65g/5mL	5g/5mL	0.89

TCLP Volatile Organic Compounds by EPA 1311/8260D

Prep: EPA 1311/5030B TCLP Volatiles

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C1160							
A3C0674-01	Solid	1311/8260D	03/17/23 08:00	03/29/23 11:03	5mL/5mL	5mL/5mL	1.00

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C1019							
A3C0674-01	Solid	EPA 8270E	03/17/23 08:00	03/27/23 07:35	15.01g/2mL	15g/2mL	1.00

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

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ANALYTICAL REPORT

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

SAMPLE PREPARATION INFORMATION

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Prep: EPA 1311/3510C (BNA Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0864							
A3C0674-01RE1	Solid	1311/8270E-LL	03/17/23 08:00	03/22/23 11:27	200mL/2mL	200mL/2mL	1.00

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0713							
A3C0674-01	Solid	EPA 6020B	03/17/23 08:00	03/20/23 07:12	0.471g/50mL	0.5g/50mL	1.06

TCLP Metals by EPA 6020B (ICPMS)

Prep: EPA 1311/3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0830							
A3C0674-01	Solid	1311/6020B	03/17/23 08:00	03/21/23 16:02	10mL/50mL	10mL/50mL	1.00
A3C0674-01RE1	Solid	1311/6020B	03/17/23 08:00	03/21/23 16:02	10mL/50mL	10mL/50mL	1.00

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0850							
A3C0674-01RE1	Solid	D7511-12	03/17/23 08:00	03/22/23 09:18	2.5557g/50mL	2.5g/50mL	0.98

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0750							
A3C0674-01	Solid	EPA 8000D	03/17/23 08:00	03/20/23 12:02			NA

TCLP Extraction by EPA 1311

Prep: EPA 1311 (TCLP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C0744							

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ANALYTICAL REPORT

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

SAMPLE PREPARATION INFORMATION

TCLP Extraction by EPA 1311

Prep: EPA 1311 (TCLP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A3C0674-01	Solid	EPA 1311	03/17/23 08:00	03/20/23 17:37	100g/2000g	100g/2000g	NA

Prep: EPA 1311 TCLP/ZHE

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23C1120							
A3C0674-01	Solid	EPA 1311 ZHE	03/17/23 08:00	03/28/23 16:16	24.9g/501g	25g/500g	NA

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ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: Gasco -- OWS	
2749 Lockport Road	Project Number: 111323	Report ID:
Niagara Falls, NY 14305	Project Manager: Chip Byrd	A3C0674 - 04 04 23 1317

QUALIFIER DEFINITIONS

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

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B	Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
E	Estimated Value. The result is above the calibration range of the instrument.
F-17	No fuel pattern detected. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-16	Reanalysis of an original Batch QC sample.
Q-18	Matrix Spike results for this extraction batch are not reported due to the high dilution necessary for analysis of the source 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-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-52	Due to known erratic recoveries, the result and reporting levels for this analyte are reported as Estimated Values. This analyte may not have passed all QC requirements for this method.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +3%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +32%. 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 +38%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +4%. The results are reported as Estimated Values.

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2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +41%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +43%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +6%. The results are reported as Estimated Values.
Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
Q-54j	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +72%. The results are reported as Estimated Values.
Q-54k	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54l	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +9%. The results are reported as Estimated Values.
Q-54m	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -1%. The results are reported as Estimated Values.
Q-54n	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -3%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
TCLP	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 23C0744.
TCLPa	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 23C0771.
TCLPb	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 23C1060/ 23C1120.
V-15	Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

Apex Laboratories

Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Sevenson Environmental Services, Inc.	Project: **Gasco -- OWS**	
2749 Lockport Road	Project Number: **111323**	**Report ID:**
Niagara Falls, NY 14305	Project Manager: **Chip Byrd**	**A3C0674 - 04 04 23 1317**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Apex Laboratories

Darwin Thomas, Business Development Director

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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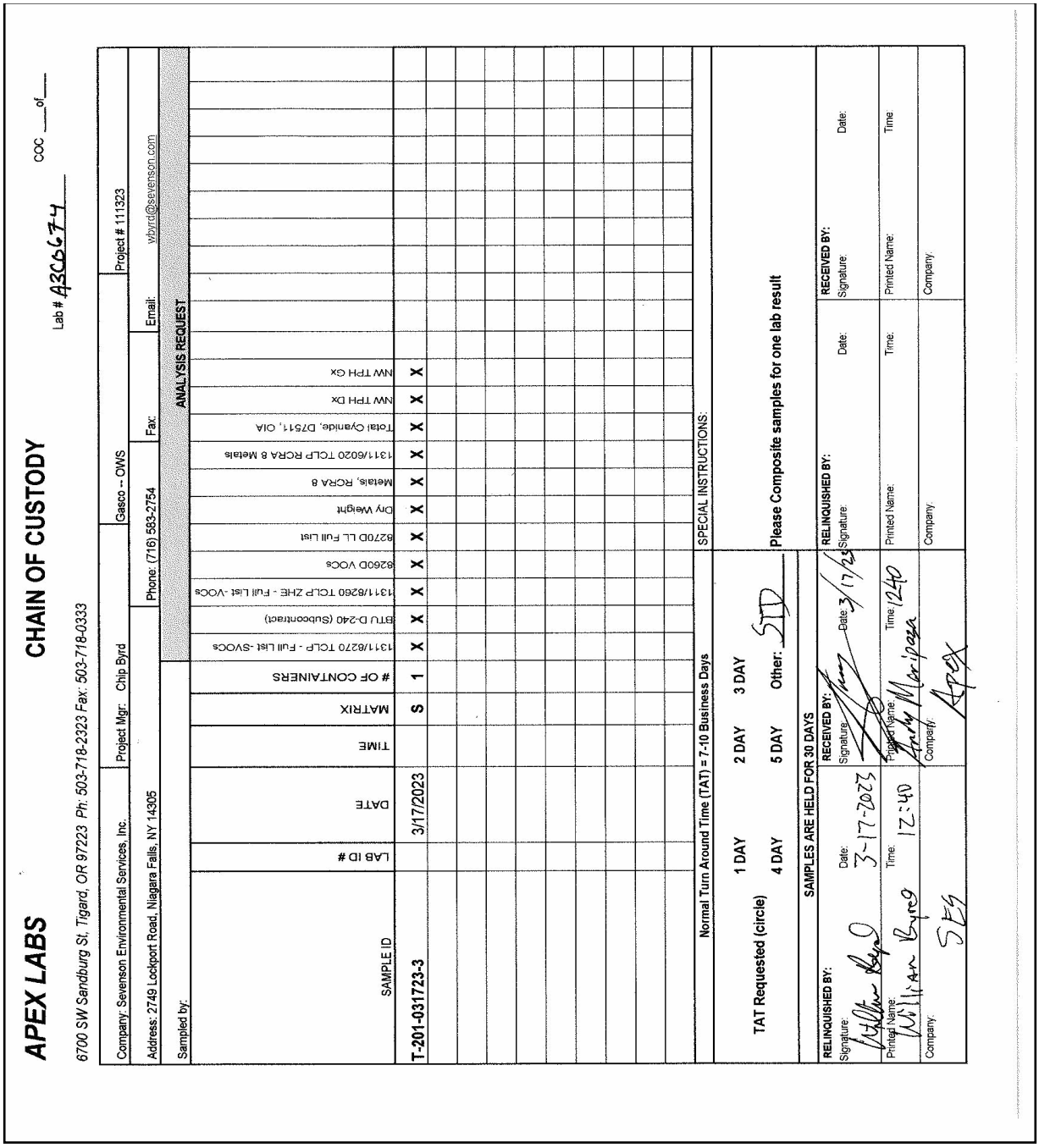

APEX LABS — CHAIN OF CUSTODY

6700 SW Sandburg St, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Lab # A3C0674 COC ___of___

Company: Sevenson Environmental Services, Inc. | Project Mgr: Chip Byrd | Gasco -- OWS | Project # 111323

Address: 2749 Lockport Road, Niagara Falls, NY 14305 | Phone: (716) 583-2754 | Fax: | Email: wbyrd@sevenson.com

Sampled by:

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	8151/8270 TCLP - Full List -SVOCs	BTU D-240 (Subcontract)	8151/8260 TCLP ZHE - Full List -VOCs	8260D VOCs	8270D LL Full List	Dry Weight	Metals, RCRA 8	8151/6020 TCLP RCRA 8 Metals	Total Cyanide, D7511, OIA	NW TPH Dx	NW TPH Gx
T-201-031723-3		3/17/2023		S	1	X	X	X	X	X	X	X	X	X	X	X

ANALYSIS REQUEST

Normal Turn Around Time (TAT) = 7-10 Business Days

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

SPECIAL INSTRUCTIONS:

Please Composite samples for one lab result

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:	3-17-2023	17:40	Signature:	3/17/23	1240
Printed Name: William Byrd			Printed Name: Amy Morrison		
Company: SES			Company: Apex		

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:			Signature:		
Printed Name:			Printed Name:		
Company:			Company:		

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APEX LABS COOLER RECEIPT FORM

Client: Sevenson Environmental Services, Inc. Element WO#: A3C0674

Project/Project #: Gasco -- OWS / 111323

Delivery Info:

Date/time received: 3/17/23 @ 1240 By: AJM

Delivered by: Apex ✓ Client ESS FedEx UPS Radio Morgan SDS Evergreen Other

Cooler Inspection Date/time inspected: 3/17/23 @ 1332 By: AJM

Chain of Custody included? Yes ✓ No

Signed/dated by client? Yes ✓ No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.0						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Gel						
Condition (In/Out):	In						

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

Green dots applied to out of temperature samples? Yes (No)

Out of temperature samples form initiated? Yes (No)

Sample Inspection: Date/time inspected: 3/17/23 @ 16:25 By: KAM

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes X No Comments: No time on COC, Container reads 8:00.

COC/container discrepancies form initiated? Yes No X

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

Do VOA vials have visible headspace? Yes No NA X

Comments

Water samples: pH checked: Yes No NA X pH appropriate? Yes No NA X

Comments:

Additional information:

Labeled by: KAM Witness: Cooler Inspected by: KAM

Form Y-003 R-00

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