

January 11, 2023

Angelica Greene
Industrial Stormwater Permit Manager
City of Portland Bureau of Environmental Services
6543 N. Burlington Avenue
Portland, OR 97203-5452

Re: Monitoring Waiver Request for NW Natural Gasco Property
DEQ File No. 62231

Dear Ms. Greene,

NW Natural is requesting a monitoring waiver for the benchmark and impairment pollutants currently required under our National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge General Permit No. 1200-Z for the Gasco Property (DEQ File No. 62231). We have compiled and reviewed our stormwater analytical results for the last five consecutive monitoring events collected between October 22, 2021 and October 31, 2022. Our review of the data indicates that the geometric mean for all parameters at Monitoring Location 001 are well below the benchmarks and impairment concentrations identified in our permit assignment letter. Therefore, we request a monitoring waiver for all monitoring parameters, including the following: pH, total copper, total lead, total zinc, total suspended solids, and total iron.

I have attached the discharge monitoring report (DMR) which includes the data for the five monitoring events during the period identified above. I am also attaching the October 31, 2022 laboratory report, field sampling data sheet, and chain of custody, since that information has not yet been provided in a DMR. Please review the attached data and let us know if we qualify for the requested monitoring waiver at Monitoring Location 001. Feel free to call me at 503-924-6179 if you have any questions.

Sincerely,



Kendra Skellenger, PE
Managing Engineering
Anchor QEA, LLC

Attachments

Discharge Monitoring Report for Monitoring Waiver

Laboratory Report, Field Sampling Data Sheet, and Chain of Custody for October 31, 2022



Updated 1/6/2022

State of Oregon
Department of
Environmental
Quality

For official use only:

Legal Name:

DEQ File No:

Instructions:

This report must be completed for each quarter and submitted by the 15th of February, May, August and November electronically through Your DEQ Online. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants specified in your monitoring table provided by your DEQ at monitoring point(s) identified in your SWPCP. You must upload the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody.

Portland Harbor

Monitoring Location(s)	Sample Date	pH	Total Copper	Total Lead	Total Zinc	Total Suspended Solids	E. coli	Total Iron
		s.u.	mg/L	mg/L	mg/L	mg/L	organisms/100 mL	mg/L
001	10.22.2021	7.2	0.001	ND(0.0001)	ND (0.002)	ND (5.0)		1
001	12.06.2021	8.2	0.002	0.001	0.03	ND (25.0)		1
001	01.19.2022	7.2	0.00279	0.000464	0.0908	ND (5.0)		0.448
001	04.04.2022	6.9	0.0037	0.000802	0.0384	ND (5.0)		0.176
001	10.31.2022	7.6	0.00299	0.000496	0.0486	7		0.358
Geometric Mean			0.0023	0.00	0.02	4		0
Geometric Mean								
Geometric Mean								
Geometric Mean								
Geometric Mean								
Geometric Mean								
Geometric Mean								
Geometric Mean								
You must select if your receiving water is impaired for pH in the 'General' tab								
Benchmarks	5.5-9.0	0.015	0.24	0.24	30			
303(d) Limits	OOPS	0.015	0.017	0.04		406	10	



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Thursday, December 15, 2022

Kendra Skellenger
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A2J1002 - Gasco 1200Z Stormwater Sampling - 000029-02.78T-14.014E

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 A2J1002, which was received by the laboratory on 10/31/2022 at 8:02:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	2.3 degC
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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

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

Darwin Thomas, Business Development Director



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Apex Laboratories, LLC

6700 S.W. Sandburg Street
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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco 1200Z Stormwater Sampling Project Number: 000029-02.78T-14.014E Project Manager: Kendra Skellenger	Report ID: A2J1002 - 12 15 22 1033
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0107-01-102822	A2J1002-01	Water	10/28/22 11:45	10/31/22 08:02

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--	--	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0107-01-102822 (A2J1002-01)		Matrix: Water						
Batch: 22K0410								
Copper	0.00299	0.00100	0.00200	mg/L	1	11/11/22 04:00	EPA 200.8	
Iron	0.358	0.0250	0.0500	mg/L	1	11/11/22 04:00	EPA 200.8	
Lead	0.000496	0.000100	0.000200	mg/L	1	11/11/22 04:00	EPA 200.8	
Zinc	0.0486	0.00200	0.00400	mg/L	1	11/11/22 04:00	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0107-01-102822 (A2J1002-01)				Matrix: Water				
Batch: 22K0123								
Total Suspended Solids	7.00	---	5.00	mg/L	1	11/03/22 14:02	SM 2540 D	SL-1

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--	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0410 - EPA 3015A						Water						
Blank (22K0410-BLK1)			Prepared: 11/10/22 13:25 Analyzed: 11/11/22 03:50									
<u>EPA 200.8</u>												
Copper	ND	0.00100	0.00200	mg/L	1	---	---	---	---	---	---	
Iron	ND	0.0250	0.0500	mg/L	1	---	---	---	---	---	---	
Lead	ND	0.000100	0.000200	mg/L	1	---	---	---	---	---	---	
Zinc	ND	0.00200	0.00400	mg/L	1	---	---	---	---	---	---	
LCS (22K0410-BS1)			Prepared: 11/10/22 13:25 Analyzed: 11/11/22 03:55									
<u>EPA 200.8</u>												
Copper	0.0531	0.00100	0.00200	mg/L	1	0.0556	---	96	85-115%	---	---	
Iron	2.70	0.0250	0.0500	mg/L	1	2.78	---	97	85-115%	---	---	
Lead	0.0555	0.000100	0.000200	mg/L	1	0.0556	---	100	85-115%	---	---	
Zinc	0.0552	0.00200	0.00400	mg/L	1	0.0556	---	99	85-115%	---	---	
Duplicate (22K0410-DUP1)			Prepared: 11/10/22 13:25 Analyzed: 11/11/22 04:05									
<u>QC Source Sample: 0107-01-102822 (A2J1002-01)</u>												
<u>EPA 200.8</u>												
Copper	0.00301	0.00100	0.00200	mg/L	1	---	0.00299	---	---	0.7	20%	
Iron	0.370	0.0250	0.0500	mg/L	1	---	0.358	---	---	3	20%	
Lead	0.000517	0.000100	0.000200	mg/L	1	---	0.000496	---	---	4	20%	
Zinc	0.0500	0.00200	0.00400	mg/L	1	---	0.0486	---	---	3	20%	
Matrix Spike (22K0410-MS1)			Prepared: 11/10/22 13:25 Analyzed: 11/11/22 04:11									
<u>QC Source Sample: 0107-01-102822 (A2J1002-01)</u>												
<u>EPA 200.8</u>												
Copper	0.0551	0.00100	0.00200	mg/L	1	0.0556	0.00299	94	70-130%	---	---	
Iron	2.97	0.0250	0.0500	mg/L	1	2.78	0.358	94	70-130%	---	---	
Lead	0.0529	0.000100	0.000200	mg/L	1	0.0556	0.000496	94	70-130%	---	---	
Zinc	0.0981	0.00200	0.00400	mg/L	1	0.0556	0.0486	89	70-130%	---	---	
Matrix Spike (22K0410-MS2)			Prepared: 11/10/22 13:25 Analyzed: 11/11/22 04:21									
<u>QC Source Sample: Non-SDG (A2J1007-01)</u>												
<u>EPA 200.8</u>												
Copper	0.0619	0.00100	0.00200	mg/L	1	0.0556	0.00789	97	70-130%	---	---	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco 1200Z Stormwater Sampling Project Number: 000029-02.78T-14.014E Project Manager: Kendra Skellenger	Report ID: A2J1002 - 12 15 22 1033
--	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0410 - EPA 3015A						Water						
Matrix Spike (22K0410-MS2)						Prepared: 11/10/22 13:25 Analyzed: 11/11/22 04:21						
QC Source Sample: Non-SDG (A2J1007-01)												
Iron	3.34	0.0250	0.0500	mg/L	1	2.78	0.545	100	70-130%	---	---	
Lead	0.0552	0.000100	0.000200	mg/L	1	0.0556	0.00113	97	70-130%	---	---	
Zinc	0.118	0.00200	0.00400	mg/L	1	0.0556	0.0621	100	70-130%	---	---	

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--	--	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0123 - Total Suspended Solids						Water						
Blank (22K0123-BLK1)			Prepared: 11/03/22 14:02 Analyzed: 11/03/22 14:02									
<u>SM 2540 D</u>												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (22K0123-DUP1)			Prepared: 11/03/22 14:02 Analyzed: 11/03/22 14:02									
<u>QC Source Sample: Non-SDG (A2J1019-01)</u>												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	ND	---	---	---	10%	SL-1
Duplicate (22K0123-DUP2)			Prepared: 11/03/22 14:02 Analyzed: 11/03/22 14:02									
<u>QC Source Sample: Non-SDG (A2J1026-05)</u>												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	ND	---	---	---	10%	SL-1
Reference (22K0123-SRM1)			Prepared: 11/03/22 14:02 Analyzed: 11/03/22 14:02									
<u>SM 2540 D</u>												
Total Suspended Solids	851	---		mg/L	1	828		103	85-115%	---	---	

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--	--	---

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0410</u>							
A2J1002-01	Water	EPA 200.8	10/28/22 11:45	11/10/22 13:25	45mL/50mL	45mL/50mL	1.00

Solid and Moisture Determinations

Prep: Total Suspended Solids					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 22K0123</u>							
A2J1002-01	Water	SM 2540 D	10/28/22 11:45	11/03/22 14:02			NA

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ANALYTICAL REPORT

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

Table with 3 columns: Client (Anchor QEA, LLC), Project (Gasco 1200Z Stormwater Sampling), and Report ID (A2J1002 - 12 15 22 1033).

QUALIFIER DEFINITIONS

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

Apex Laboratories

SL-1 Result is considered an estimated value. Less than 1 liter of sample was used in analysis and the method minimum residue of 2.5 mg was not met. Reporting level adjusted based on sample volume used.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

QC Source:

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

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

Miscellaneous Notes:

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

Blanks:

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

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Table with 3 columns: Client (Anchor QEA, LLC), Project (Gasco 1200Z Stormwater Sampling), and Report ID (A2J1002 - 12 15 22 1033).

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.

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.

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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Signature of Darwin Thomas

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Table with project details: Anchor QEA, LLC; Project: Gasco 1200Z Stormwater Sampling; Project Number: 000029-02.78T-14.014E; Project Manager: Kendra Skellenger; Report ID: A2J1002 - 12 15 22 1033

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

Table header with columns: Matrix, Analysis, TNI_ID, Analyte, TNI_ID, Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # **A2J1002** LOC **1** of **1**

Company: Anchor QEA	Project Mgr: Kendra Skellenger	Project Name: Gasco 1200Z Stormwater Sampling	Project #: 000029-02.78T-14.014E	
Address: 6720 S. Macadam Av. # 125 Portland, OR		Phone: 503-670-1108		Email: kskellenger@anchorqea.com
Sampled By: Cathy Montgomery / R. Luffman				
Site Location: OR WA CA				
SAMPLE ID: 0107-01-102822				
DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-BCD
10/31/22	1145	inlet 2	2	
ANALYSIS REQUEST				
<input type="checkbox"/> Al, Sb, As, Ba, Be, Bi, Br, Cd, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Se, Si, V, Zn <input type="checkbox"/> TCLP Metals (9) <input type="checkbox"/> Priority Metals (13) <input type="checkbox"/> RCRA Metals (9) <input type="checkbox"/> 8081 Pesticides <input type="checkbox"/> 8082 PCBs <input type="checkbox"/> 8270 Semi-Vols Full List <input type="checkbox"/> 8270 SIM PAHs <input type="checkbox"/> 8260 VOCs Full List <input type="checkbox"/> 8260 Halo VOCs <input type="checkbox"/> 8260 RBDM VOCs <input type="checkbox"/> 8260 BTEX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-BCD <input type="checkbox"/> Frozen Archive <input type="checkbox"/> Hold Sample				
SPECIAL INSTRUCTIONS:				
TAT Requested (circle): 1 Day 2 Day 3 Day Other: Normal				
Standard Turn Around Time (TAT) - 10 Business Days				
SAMPLES ARE HELD FOR 30 DAYS				
RECEIVED BY: Signature: [Signature]	RECEIVED BY: Signature: [Signature]	RECEIVED BY: Signature: [Signature]	RECEIVED BY: Signature: [Signature]	RECEIVED BY: Signature: [Signature]
Date: 10/31/22	Date: 10/31/22	Date: 10/31/22	Date: 10/31/22	Date: 10/31/22
Time: 0802	Time: 0802	Time: 0802	Time: 0802	Time: 0802
Printed Name: Roy Luffman	Printed Name: R. Skellenger	Printed Name: R. Skellenger	Printed Name: R. Skellenger	Printed Name: R. Skellenger
Company: Anchor QEA	Company: APEX	Company: APEX	Company: APEX	Company: APEX

Apex Laboratories

[Signature]

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco 1200Z Stormwater Sampling Project Number: 000029-02.78T-14.014E Project Manager: Kendra Skellenger	Report ID: A2J1002 - 12 15 22 1033
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APEX LABS COOLER RECEIPT FORM

Client: Anchor Element WO#: A2 J1002

Project/Project #: Gasco - 1Q 2022 1200Z Stormwater Sampling

Delivery Info: 000029-02.78 T-14.014E

Date/time received: 10/31/22 @ 0802 By: [Signature]

Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 10/31/22 @ 1040 By: [Signature]

Chain of Custody included? Yes No Custody seals? Yes No

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.3</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>Good</u>						

Cooler out of temp? Possible reason why: _____

Green dots applied to out of temperature samples? Yes No

Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 10/31/22 @ 13:22 By: [Signature]

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information: _____

Labeled by: [Signature] Witness: [Signature] Cooler Inspected by: [Signature]

Form Y-003 R-00

Apex Laboratories

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Darwin Thomas

Darwin Thomas, Business Development Director

FIELD SAMPLING DATA SHEET



6720 SW Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1200Z Stormwater Monitoring 000029-02.78 **Location ID:** Outfall 107

SITE ADDRESS: 7900 NW St Helens Rd, Portland, OR **BLIND ID:** O107-01-102822

Easting: 7624051.869 **Northing:** 705434.910

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(IGH)	MEDIUM	HEAVY
	WEATHER: SUNNY PRTLY CLDY CLOUDY (RAIN) No Wind TEMPERATURE: 52 °F										

YSI Calibration

Date:	10/28/22		
Probe S/N:	Gosco #1		
Calibration Solution	Initial	Final	Temperature
pH 4.01	4.13	4.00	21.0
pH 7.0	7.01	7.00	20.7

Water Quality Data

Sampling Method: Grab
Time (24 hour): 1145
pH (SU): 7.61

§ METHODS: (A) Grab (B) Composite (C) Disposable Bailer (D) Peristaltic Pump (E) Waterra inertial pump (F) Other _____

STORMWATER SAMPLING

Date: 10/28/22		Time: 1145		Method: Grab						(✓ if used)	
Bottle Type			#	Volume	Preservative [circle]	Ice	Filter	pH			
VOA Glass	—	—	3	40 ml	HCl	YES	NO	---			
Amber Glass	—	—	5	1L	None	YES	NO	---			
Green Poly	—	—	1	125ml	NaOH	YES	NO	---			
Red Poly-total	10/28/22	1145	(1)	(250ml)	(HNO ₃)	(YES)	(NO)	---	✓		
Red Poly-dissolved**	—	—	1	250ml	HNO ₃	YES	YES	---			
White Poly**	10/28/22	1145	(1)	250ml (1L)	(None)	(YES)	(NO)	---	✓		
Amber Glass*	—	—	2	1L	HCl	YES	NO	---			
Total Bottles (include duplicate count):			2	VOA Trip Blank (circle if collected)							

BOTTLE TYPE

ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)

VOA vial - Glass	VOCs by EPA 624 (3 VOAs)
AMBER - Glass (Unpreserved)	PAHs/HCB by EPA 625 (1L) Pesticides by EPA 608 (1L) PCBs by EPA 608 (1L)
AMBER - Glass (Preserved)	Oil and Grease by EPA 1664A (2L)
GREEN - Poly	Free Cyanide (ASTM D4282) and WAD Cyanide (SM 4500-CN I) (1 x 125 mL for both)
RED DISSOLVED - Poly**	Dissolved Metals (Cu, Pb) by EPA 200.8
RED TOTAL - Poly	Total Metals (Cu, Fe, Pb, Zn) by EPA 200.8 (250 mL) Total Mercury by EPA 245.1 (250 mL)
WHITE - Poly	TSS by SM2540 D

Comments:

Turbidity = 4.55 NTUs clear/colorless

SAMPLER: Casey Montgomery
(PRINTED NAME)

Casey Montgomery
(SIGNATURE)

APEX LABS

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

CHAIN OF CUSTODY

Lab # _____ COC _____ of _____

Company: <u>Anchor AEA</u>		Project Mgr: <u>Kendy Skellenger</u>		Project Name: <u>GASO 102022 12002 Surface water Sampling</u>		Project #: <u>000029-02-75</u>																	
Address: <u>6720 S. Macadam Av. #125 Portland, OR</u>		Phone: <u>503-670-1108</u>		Email: <u>kskellenger@anchoraea.com</u>		PO # _____																	
Sampled by: <u>Casey Montgomery / R. Luffman</u>				ANALYSIS REQUEST																			
Site Location: <input checked="" type="radio"/> OR <input type="radio"/> WA <input type="radio"/> CA AK ID _____		ANALYSIS REQUEST																					
SAMPLE ID <u>0107-01-102822</u>		DATE <u>10/28/22</u>	TIME <u>145 WOTL 2</u>	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	AL, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive	
SPECIAL INSTRUCTIONS: <u>Standard Turn Around Time (TAT) = 10 Business Days</u>																							
TAT Requested (circle) 1 Day 2 Day 3 Day Other: <u>Normal</u>																							
SAMPLES ARE HELD FOR 30 DAYS																							
RELINQUISHED BY: Signature: <u>[Signature]</u> Date: <u>10/31/22</u>						RECEIVED BY: Signature: <u>[Signature]</u> Date: <u>10/31/22</u>						RELINQUISHED BY: Signature: _____ Date: _____						RECEIVED BY: Signature: _____ Date: _____					
Printed Name: <u>Ray Luffman</u>						Printed Name: <u>R. Luffman</u>						Printed Name: _____						Printed Name: _____					
Company: <u>Anchor AEA</u>						Company: <u>APEX</u>						Company: _____						Company: _____					