

250 SW Taylor Street Portland, OR 97204 503-226-4211 nwnatural.com

February 2, 2022

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

Re: 1200-Z Permit Second Quarter 2022–2023 Discharge Monitoring Report

NW Natural Gasco Property DEQ File Number 62231

Dear Ms. Greene,

Attached please find the Discharge Monitoring Report for the NW Natural Gasco Property for the 1200-Z second quarter reporting period.

Two stormwater samples were collected during this quarter. All benchmarks and impairment concentrations were met for this quarter.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is—to the best of my knowledge and belief—true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations (40 CFR 122.22(d)).

If you have any questions about this package, please contact Kendra Skellenger with Anchor QEA, LLC, at 503-924-6179.

Very truly yours,

Kathryn Williams

Vice President of Public Affairs

NW Natural



Quality

# Oregon Department of Environmental Quality Stormwater Program

Discharge Monitoring Report 1200-Z Permit

Updated 1/6/2022

National Pollutant Discharge Elimination System Permit Industrial Stormwater Discharge General Permit

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This report must be completed for each quarter and submitted by the 15th of February, May, August and November to the appropriate agent. 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 at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include 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.

Assurance/Quality Control and analytical methods for the parameters	ry results, including minimum detection level, Quality analyzed. You must also submit pH field notes and chain of custody.
Facility Information	
Legal name: Northwest Natural Gas Company	DEQ File No: 62231
Common name: NW Natural	EPA #: ORR706061
Facility address: 7900 NW St. Helens Rd	Reporting Quarter: 1st 2nd 3rd 4th table 7
Facility City, Zip: Portland, OR 97210	Reporting Year: 2022 to 2023
Geo-Region: Portland Harbor 2nd Geo-Region:	Select
Is your receiving water impaired for pH? No	Administered by:  Clean Water Services  City of Portland
Primary SIC Code: 4925 Secondary SIC Code:	
Monitoring Information	
If different, you certify that the facility has established either: 1) the are effluent is substantially similar to effluent(s) monitored and the same E	BMPs are implemented and maintained. (See permit pg 23)
Monitoring Waiver(s) If yes list date on DEQ or Agent ap	proval letter.
1/25/2023	
	cable documents are included with you DMR submittal:
✓ Original Signature ✓ Laboratory Reports ✓ Chain of Custo	ody
Certification  I certify under penalty of law that this document and all attachments were system designed to assure that qualified personnel properly gather and person or persons who manage the system, or those persons directly resis, to the best of my knowledge and belief, true, accurate, and complete information, including the possibility of fine and imprisonment for knowing	evaluate the information submitted. Based on my inquiry of the esponsible for gathering the information, the information submitted a. I am aware that there are significant penalties for submitting false
Signature: W.W.	Date: 2/2/2023
Printed Name: Kathryn Williams  Legally Authorized Representative	Title: Vice President of Public Affairs
	Email: <u>kathryn.williams@nwnatural.com</u>
	Telephone: 503.220.2370



# Oregon Department of Environmental Quality Stormwater Program

# Discharge Monitoring Report 1200-Z Permit

Updated 1/6/2022

or official use only:	
egal Name:	
EO 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.

				F	Portland	Harbor			
Monitoring Location(s)	Sample Date	рН	Total Copper	Total Lead	Total Zinc	Total Suspended Solids	E. coli	Total Iron	
Mor	10/28/22 MR	s.u.	mg/L	mg/L	mg/L	mg/L	organisms/ 100 mL	mg/L	
001	10.31.2022	7.6	0.00299	0.000496	0.0486	7		0.358	
001	12.29.2022	7.7	0.00233	0.000469	0.0283	ND (5.00)		2.24	
Geometri	ic Mean		0.0026	0.00	0.04	4		1	
Geometri	ic Mean	9,000							
Geometri	ic Mean	1							
Geometri									
			your receiv				he 'Genera	al' tab	
	hmarks	5.5-9.0	0.015				400	40	
303(c	l) Limits	OOPS	0.015	0.017	0.04	ALC: NO ASSESSMENT	406	10	

		FIEL	D S	SAMI	PLIN	G DATA S	SHEET	Γ		
1 × A	NCHOR DEA					m Ave, Suite 125, Po	ortland, OR	97219		
<b>V</b>	EA ##	-		Office: (5	03) 670-1	1108				
PROJECT NAME:	1200Z Stormy	water Monit	oring (	00029-02.78		Location ID:	Outfall 10	)7		
SITE ADDRESS:	7900 NW St	Helens Rd,	Portla	nd, OR		BLIND ID:	O107- O	1-102	2822	
				Easting	: 7624	051.869	No	rthing:	705434	.910
WIND FROM: N	NE E	(SE)	S	sw w	NW	(IGHT)	MEDI	UM		HEAVY
WEATHER: SU	JNNY PRTI	Y CLDY	CLC	OUDY (	RAIN	No Wind	TEN	MPERA	TURE:	52 °1
	YSI Calib	ration					1	Water	Qualit	y Data
Date:	0/28/22					Sa	ampling Me	ethod:	Grab	
000 N EC 040	Sasco #1						Time (24	hour):	114	5
Calibration Solution	Initial	Fina	ıl	Tempe	erature	1	pl	H (SU):	7.(	is l
pH 4.01	4.13	4.0	0	21.	0					
pH 7.0	7.01	7.0	00	20.		1				
§ METHODS: (A) Grab (B)	Composite (C)	Disposable	e Baile:	r (D) Perista	altic Pum	p (E) Waterra inertial	pump (F) O	ther		
						R SAMPLING	Andrei	***************************************		
Date: 10/28/22	Time: [14	5		Method G	rab					[√ if used]
Bottle Type			#	Volume	Pre	servative [circle]	Ice	Filter	рН	1
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 <sub>3</sub>	YES	100		
Red Poly-dissolved**			1	250ml	100	HNO <sub>3</sub>	YES	YES		
White Poly** Amber Glass*	10/28/22	1145	2	2 <del>50</del> ml (	111)	None HCl	(YES	MO		V
Total Bottles (in	clude duplica	te count):	2	IL			YES Blank (cir	NO closif co	llostod)	
BOTTLE TYPE			-	LE TYPE	(Circle a	pplicable or write r	The same of the sa			utaz)
VOA vial - Glass		by EPA 62	_		(Circle b	ppicable of write i	ion standa	ici anary	SIS DCIO	***)
AMBER - Glass (Unpres		-			Pestici	des by EPA 608 (1L)	)	PCBs l	oy EPA	608 (1L)
AMBER - Glass (Preserv	- Service Constitution	100001 0000	the later of the l	A 1664A (2	2007/	,				
GREEN - Poly	Free Cy	vanide (A	STM 1	D4282) an	d WAD	Cyanide (SM 4500-	CN I) (1 x	125 mL	for bot	h)
RED DISSOLVED - Poly	** Dissolv	ved Metal	s (Cu,	Pb) by EI	A 200.8					
RED TOTAL - Poly	Total N	Ietals (Cu	, Fe, I	b, Zn) by	EPA 20	0.8 (250 mL)		Total I	Mercury	by EPA 245.1 (250 mL)
WHITE - Poly	TSS by	SM2540	D							
Comments:	55 050	CI-	-/	1-0/05	5					
Turbidity = 4	.55 NIU	S CIE	147 C	סנסו וכש	,					
									***************************************	

SAMPLER: (asey Montgomer)



## 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: <a href="mailto:dthomas@apex-labs.com">dthomas@apex-labs.com</a>, or by phone at 503-718-2323.

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

2.3 degC

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

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





Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2J1002 - 12 15 22 1033

## ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFO	ORMATION		
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

Apex Laboratories



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 A2J1002 - 12 15 22 1033

# ANALYTICAL SAMPLE RESULTS

		Total Meta	ils by EPA 20	0.8 (ICPMS)	)			
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
0107-01-102822 (A2J1002-01)				Matrix: Wa	ater			
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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 A2J1002 - 12 15 22 1033

# ANALYTICAL SAMPLE RESULTS

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

Apex Laboratories



# **Apex Laboratories, LLC**

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ORELAP ID: OR100062

Anchor QEA, LLC

Project:

Gasco 1200Z Stormwater Sampling

6720 SW Macadam Ave. Suite 125 Portland, OR 97219 Project Number: 000029-02.78T-14.014E
Project Manager: Kendra Skellenger

Report ID: A2J1002 - 12 15 22 1033

# QUALITY CONTROL (QC) SAMPLE RESULTS

			Total M	etals by	EPA 200.	8 (ICPMS	5)					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0410 - EPA 3015A							Wat	er				
Blank (22K0410-BLK1)			Prepared:	11/10/22	13:25 Anal	yzed: 11/11	/22 03:50					
EPA 200.8												
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 Anal	yzed: 11/11	/22 03:55					
EPA 200.8												
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 Anal	yzed: 11/11	/22 04:05					
OC Source Sample: 0107-01-10282 EPA 200.8	2 (A2J1002	<u>-01)</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 Anal	yzed: 11/11	/22 04:11					
QC Source Sample: 0107-01-10282	2 (A2J1002	-01)				-						
EPA 200.8		_										
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		mg/L	1	0.0556	0.000496		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 Anal	yzed: 11/11	/22 04:21					
QC Source Sample: Non-SDG (A2	J1007-01)											
<u>EPA 200.8</u> Copper	0.0619	0.00100	0.00200	mg/L	1	0.0556	0.00789	0.7	70-130%			

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## **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2J1002 - 12 15 22 1033

## QUALITY CONTROL (QC) SAMPLE RESULTS

#### Total Metals by EPA 200.8 (ICPMS) Detection Reporting Spike Source % REC **RPD** % REC Analyte Result Ĺimit Units Dilution Amount Result Limits RPD Limit Notes Limit 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) 0.0250 0.0500 2.78 Iron 3.34 mg/L 1 0.545 100 70-130% 0.0552 0.0001000.0002000.0556 97 70-130% Lead mg/L 1 0.00113 Zinc 0.118 0.00200 0.00400 0.0556 0.0621 100 70-130% mg/L1

Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

Project:

Gasco 1200Z Stormwater Sampling

6720 SW Macadam Ave. Suite 125 Portland, OR 97219 Project Number: 000029-02.78T-14.014E
Project Manager: Kendra Skellenger

Report ID: A2J1002 - 12 15 22 1033

# QUALITY CONTROL (QC) SAMPLE RESULTS

			Solid a	nd Mois	ture Dete	rmination	s					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22K0123 - Total Suspen	ded Solid	s					Wa	ter				
Blank (22K0123-BLK1)			Prepared	: 11/03/22	14:02 Ana	lyzed: 11/03	/22 14:02					
SM 2540 D Total Suspended Solids	ND		5.00	mg/L	1							
Duplicate (22K0123-DUP1)			Prepared	: 11/03/22	14:02 Ana	lyzed: 11/03	/22 14:02					
QC Source Sample: Non-SDG (A2	J1019-01)											
Total Suspended Solids	ND		5.00	mg/L	1		ND				10%	SL
Duplicate (22K0123-DUP2)			Prepared	: 11/03/22	14:02 Ana	lyzed: 11/03	/22 14:02					
QC Source Sample: Non-SDG (A2	2J1026-05)											
Total Suspended Solids	ND		5.00	mg/L	1		ND				10%	SL
Reference (22K0123-SRM1)			Prepared	: 11/03/22	14:02 Ana	lyzed: 11/03	/22 14:02					
SM 2540 D												
Total Suspended Solids	851			mg/L	1	828		103	85-115%			

Apex Laboratories



## **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

NA

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

SM 2540 D

 6720 SW Macadam Ave. Suite 125
 Project Number:
 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager:
 Kendra Skellenger
 A2J1002 - 12 15 22 1033

## SAMPLE PREPARATION INFORMATION

		Tot	al Metals by EPA 200	0.8 (ICPMS)			
Prep: EPA 3015A	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep
Batch: 22K0410	Mann	Memod	Samplea	Trepured			
A2J1002-01	Water	EPA 200.8	10/28/22 11:45	11/10/22 13:25	45mL/50mL	45mL/50mL	1.00
		So	lid and Moisture Dete	erminations			
Prep: Total Suspend	ded Solids				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 22K0123			<del>-</del>				

10/28/22 11:45

11/03/22 14:02

Apex Laboratories

A2J1002-01

Water



## **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number:
 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
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 Kendra Skellenger
 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.

Apex Laboratories



## Apex Laboratories, LLC

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ORELAP ID: OR100062

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 A2J1002 - 12 15 22 1033

#### 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



## Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
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 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. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

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

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

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

Apex Laboratories



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 Portland, OR 97219
 Project Manager: Kendra Skellenger
 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 <u>exception</u> 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.

Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029-02.78T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2J1002 - 12 15 22 1033

6700 SW Sandburg St., Tigard, OR 97223 Ph. 503-718-2323	97223 Ph:	503-718	8-2323																		+	
Company: Archoc aEX		Project Mgr. Kenche Skellengar	Mgr: 12	encle	3/5	elle	wee	1		yect S	Project Name: Standard SA	2)	37	7 3	77	200	din		OCOS Project#:	000029, 02.78 # [- 14.014E		1
Address: 6720 S. Mccaclom AV. #125 Portland	Av. #	125	Both	- F	of Phone: 5.3-670-1108	hone:	- 3	-670	-110		Email: Kskellenger Can	1. KS	3	2	Ţ	Š	chiggo.comPO#	3	# 0.	1		
Sampled by: CASSY Mantgarery / P. Luffer	1/ V	Luss	(	`			31			i kalenta	ega el				ANA	YSIS						
Site Location:		=			1							18				70	CFB R'		ক্র			
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	3		XIX	CONL	н-на.	a-Ha.	э-нч:	ката Кавру	olsH	AOC8	I WIS	-ims2	6CB2	Pestic	ioM A		Co, Ma,	naM 9	19		əldme	Атер
SAMPLE ID	TTAG	TIME	ITAM	# OE							0478	0/28	2808			Priori AL, Sb	AL, Sh Hg, M Se Ag OTA	TCLI	zzT		S PIOH	Frozen
0/07-01-102822	12/23/23	1145 WOFL	.voř.	9			-							<u> </u>		-	Total		X			
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7 21	1 Day		2 Day	i It	3 Day	æ,																
TAT Requested (circle)	5 Day	S.	Standard	75		13	Joseph Jan	(J)	ام													
SAMP	SAMPLES ARE HELD FOR 30 DAYS	D FOR 3	0 DAYS														i v					
RELINQUISHED BY: Signature: 7-4 (2 MM)	Date:	Z,	RECEIV Signature:	Signature:	X 1	1	Date:	10	1	23	RELINQUISHED BY: Signature:	INQUI	SHED	BY:		Date;	.ej		RECEIVED BY: Signature:	Date:		
Printed Name: M. Store	Time: 0807	(,	Printed Name	Printed Name: PUNNOUS.		3	ii O	OBOZ	200		Printe	Printed Name:	l s			Time:	.e.,		Printed Name:	Time:		
Company: 1 VI			Company:	2	4						Company:	oany:							Company:	-		

Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

Project:

**Gasco 1200Z Stormwater Sampling** 

6720 SW Macadam Ave. Suite 125

Project Number: 000029-02.78T-14.014E

Portland, OR 97219 Project Manager: Kendra Skellenger

Report ID: A2J1002 - 12 15 22 1033

	APEX LABS COOLER	RECEIPT FORM
Client: <u>Anch</u>	20/	Element WO#: A2 \( \frac{100}{2} \)
Project/Project #:	Gasco - 10 rorz	12007 Stormwater Steep
Delivery Info:		600029 07.78 T-14.01
	10/31/2 @ 0802 By:	HO RESPEC
	,	S Swift Senvoy SDS Other
77 N. T.		0
Chain of Custody incl	, .	Custody seals? Yes NoX
Signed/dated by client	1/	
Signed/dated by Apex	? Yes No	
•	Cooler #1 Cooler #2 Cooler	#3 Cooler #4 Cooler #5 Cooler #6 Cooler #7
Γemperature (°C)	1 2	
Received on ice? (Y/N	17	
Γemp. blanks? (Y/N)	· · · · · · · · · · · · · · · · · · ·	
ce type: (Gel/Real/Ot		
Condition (In/Out):		
All samples intact? Y	es X No Comments:	13.22 By: Rup
Bottle labels/COCs ag	ree? Yes X No Comments:	
COC/container discret	pancies form initiated? Yes No	<u> </u>
-		\( \) No Comments:
Do VOA vials have vi	sible headspace? Yes No	NA _X_
	ecked: Yes_X_NoNA pH appr	onriate? Yes Y No NA
	pri appr	opriate: Tes_No_NA
Additional information	1:	
aheled hv	Witness	Cooler Inspected by
abeled by:	Witness:	Cooler Inspected by:  Form Y-003 R-00

Apex Laboratories

			FIEL	D S	AN	/P	LIN	G DATA	SH	EET				
1%	ANC	CHOR					acadan ) 670-1	n Ave, Suite 125 108	, Portla	nd, OR	97219			
					and a granulus				0	16-11-10	17			
PROJECT NAME:	CALL POLICE	00Z Stormw				********		Location ID:		tfall 10	7.0	2027	)	
SITE ADDRESS:	79	00 NW St I	Ielens Rd,	Portlar		78	252.4	BLIND ID:	01	A Section Control	2-12			_
		_			East	ing:	7624	051.869		No	rthing:	705434	4.910	
WIND FROM:	N N	E E	SE	S	SW	W	NW	LIGHT		MEDI	UM		HEAVY	
WEATHER:	SUNN	PRTL	Y CLDY	CLO	UDY	R	AIN	No Wind		TEN	APERA'	TURE:	41	0
	Y	SI Calib	ration							1	Water	Quali	ty Data	
Date:	17-1	28/22							Samp	ing Me	ethod:	Grab		
Probe S/N:		sco #	/						Tir	ne (24	hour):	O	735	
Calibration Solution		nitial	Fina	1	Te	mper	ature	1		pł	H (SU):		73	
pH 4.01	3.7	9	4.00	)	10	9.7	2	1 -						
pH 7.0	6.0	18	6.9			9,-								
§ METHODS: (A) Grad	(B) Con	posite (C)	Disposable	Bailer					rtial pum	p (F) O	ther			
					STC			R SAMPLING						
Date: 12/29/22	Ti	me: O	130		Method	G	rab						[√if used]	
Bottle Type				#	Volu	ıme	Pre	servative [circle	2]	Ice	Filter	pН	1	
VOA Glass		_		3	40 1	ml		HCl		YES	NO			
Amber Glass			-	5	11	L		None		YES	NO			
Green Poly		waren.	_	1	125	ml		NaOH		YES	NO			
Red Poly-total	1	2/29/22	0730	1	250	ml		ANO <sub>3</sub>		YES	NO		~	
Red Poly-dissolved	<b>**</b>	e-mone-	_	1	250	ml		$HNO_3$		YES	YES			
White Poly**	17	129/22	0730	1	250	m		None	- 10	YES	NB	222	/	
Amber Glass*			_	2	11	L		HCl		YES	NO			
Total Bottles	(includ	le duplica	te count):	2				VOA	Trip Bla	nk (cir	cle if co	llected	)	
BOTTLE TYP	E	ANALY	SIS PER	вот	TLE T	YPE (	Circle a	applicable or wr	rite non-	standa	rd analy	ysis bel	ow)	
VOA vial - Glass		VOCs l	y EPA 62	4 (3 V	OAs)									
AMBER - Glass (Unp	reserve	d PAHs/I	HCB by E	PA 62	5 (1L)		Pestici	des by EPA 608	3 (1L)		PCBs 1	by EPA	608 (1L)	
AMBER - Glass (Pres	served)	Oil and	Grease l	y EPA	A 1664	A (2I	_)							
GREEN - Poly		Free Cy	anide (A	STM	D4282	) and	WAD	Cyanide (SM 4	500-CN	I) (1 x	125 mL	for bo	oth)	
RED DISSOLVED - I	oly**	Dissolv	ed Metal	s (Cu,	Pb) b	y EP	A 200.8							
RED TOTAL - Poly	1	Total M	Ietals (Cu	, Fe, I	b, Zn	) by	EPA 20	0.8 (250 mL)	)		Total 1	Mercur	ry by EPA 245.1 (250 i	mL)
WHITE - Poly		TSS by	SM2540	D										
Comments: Turbidity	= 2	2.02	NTUS	;										
SAMPLER: COS	21- 01	entaam	orn				(	Malina						_

(PRINTED NAME)

(SIGNATURE)



Apex Laboratories, LLC

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

Wednesday, January 25, 2023 Kendra Skellenger Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219

RE: A2L1045 - Gasco 1200Z Stormwater Sampling - 000029.02.78 T-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 A2L1045, which was received by the laboratory on 12/29/2022 at 4:28:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: <a href="mailto:dthomas@apex-labs.com">dthomas@apex-labs.com</a>, 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 1.8 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



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029.02.78 T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2L1045 - 01 25 23 1308

## ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFO	RMATION		
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0107-02-122922	A2L1045-01	Water	12/29/22 07:30	12/29/22 16:28

Apex Laboratories



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 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2L1045 - 01 25 23 1308

# ANALYTICAL SAMPLE RESULTS

		Total Meta	ils by EPA 20	0.8 (ICPMS)	)			
A 1.	Sample	Detection	Reporting	TT 1	D'1 4'	Date	M.4. 1D.6	NI.
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
0107-02-122922 (A2L1045-01)				Matrix: Wa	ater			
Batch: 23A0388								
Copper	0.00233	0.00100	0.00200	mg/L	1	01/13/23 03:03	EPA 200.8	
Iron	2.24	0.0250	0.0500	mg/L	1	01/13/23 03:03	EPA 200.8	
Lead	0.000469	0.000100	0.000200	mg/L	1	01/13/23 03:03	EPA 200.8	
Zinc	0.0283	0.00200	0.00400	mg/L	1	01/13/23 03:03	EPA 200.8	

Apex Laboratories



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 A2L1045 - 01 25 23 1308

# ANALYTICAL SAMPLE RESULTS

		Solid and	Moisture Det	ermination	S			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0107-02-122922 (A2L1045-01)				Matrix: W	ater			
Batch: 23A0059 Total Suspended Solids	ND	5.00	5.00	mg/L	1	01/04/23 14:37	SM 2540 D	SL-1

Apex Laboratories



6720 SW Macadam Ave. Suite 125

## ANALYTICAL REPORT

# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

Portland, OR 97219

Project:

Gasco 1200Z Stormwater Sampling

Project Number: 000029.02.78 T-14.014E
Project Manager: Kendra Skellenger

Report ID: A2L1045 - 01 25 23 1308

# QUALITY CONTROL (QC) SAMPLE RESULTS

			Total M	etals by	EPA 200	.8 (ICPMS	5)					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23A0388 - EPA 3015A							Wat	ter				
Blank (23A0388-BLK1)			Prepared:	01/12/23	08:14 Ana	yzed: 01/13	/23 01:59					
EPA 200.8												
Copper	ND	0.00100	0.00200	mg/L	1							
Iron	ND	0.0250	0.0500	mg/L	1							
Zinc	ND	0.00200	0.00400	mg/L	1							
Blank (23A0388-BLK2)			Prepared:	01/12/23	08:14 Ana	lyzed: 01/14	1/23 00:55					
EPA 200.8												
Lead	ND	0.000100	0.000200	mg/L	1							Q-16
LCS (23A0388-BS1)			Prepared:	01/12/23	08:14 Ana	lyzed: 01/13	3/23 02:04					
EPA 200.8												
Copper	0.0570	0.00100	0.00200	mg/L	1	0.0556		103	85-115%			
Iron	2.78	0.0250	0.0500	mg/L	1	2.78		100	85-115%			
Zinc	0.0573	0.00200	0.00400	mg/L	1	0.0556		103	85-115%			
LCS (23A0388-BS2)			Prepared:	01/12/23	08:14 Ana	yzed: 01/14	1/23 01:00					
EPA 200.8												
Lead	0.0584	0.000100	0.000200	mg/L	1	0.0556		105	85-115%			Q-16
Duplicate (23A0388-DUP1)			Prepared:	01/12/23	08:14 Ana	yzed: 01/13	3/23 02:14					
QC Source Sample: Non-SDG (A2	L1028-01)											
Copper	0.00522	0.00100	0.00200	mg/L	1		0.00501			4	20%	
Iron	0.897	0.0250	0.0500	mg/L	1		0.954			6	20%	
Zinc	0.0682	0.00200	0.00400	mg/L	1		0.0641			6	20%	
Duplicate (23A0388-DUP3)			Prepared:	01/12/23	08:14 Ana	lyzed: 01/16	5/23 18:42					
QC Source Sample: Non-SDG (A2	L1028-01RF	<u>E1)</u>										
Lead	0.00116	0.000100	0.000200	mg/L	1		0.00116			0.08	20%	Q-16
Matrix Spike (23A0388-MS1)			Prepared:	01/12/23	08:14 Ana	lyzed: 01/13	3/23 02:24					
QC Source Sample: Non-SDG (A2	L1028-02)											
EPA 200.8												

Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

Project:

**Gasco 1200Z Stormwater Sampling** 

6720 SW Macadam Ave. Suite 125 Project Number: 000029.02.78 T-14.014E Portland, OR 97219

Project Manager: Kendra Skellenger

Report ID:

A2L1045 - 01 25 23 1308

# QUALITY CONTROL (QC) SAMPLE RESULTS

			Total M	letals by	EPA 200	.8 (ICPMS	5)					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23A0388 - EPA 3015A							Wa	ter				
Matrix Spike (23A0388-MS1)			Prepared:	01/12/23	08:14 Ana	lyzed: 01/13	/23 02:24					
QC Source Sample: Non-SDG (A21	1028-02)											
Iron	3.00	0.0250	0.0500	mg/L	1	2.78	0.180	101	70-130%			
Zinc	0.0772	0.00200	0.00400	mg/L	1	0.0556	0.0213	101	70-130%			
Matrix Spike (23A0388-MS2)			Prepared:	01/12/23	08:14 Ana	yzed: 01/13	/23 02:58					
QC Source Sample: Non-SDG (A21 EPA 200.8	<u>.1043-01)</u>											
Copper	0.0688	0.00100	0.00200	mg/L	1	0.0556	0.00836	109	70-130%			
Iron	4.95	0.0250	0.0500	mg/L	1	2.78	1.99	107	70-130%			
Lead	0.0589	0.000100	0.000200	mg/L	1	0.0556	0.00109	104	70-130%			
Zinc	0.199	0.00200	0.00400	mg/L	1	0.0556	0.140	107	70-130%			
Matrix Spike (23A0388-MS4)			Prepared:	01/12/23	08:14 Ana	yzed: 01/16	5/23 18:52					
QC Source Sample: Non-SDG (A21	_1028-02RE	<u> 22)</u>										
EPA 200.8												
Lead	0.0571	0.000100	0.000200	mg/L	1	0.0556	0.000110	103	70-130%			•

Apex Laboratories



6720 SW Macadam Ave. Suite 125

## ANALYTICAL REPORT

# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

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Portland, OR 97219

Project:

Gasco 1200Z Stormwater Sampling

Project Numbe

Project Number: **000029.02.78 T-14.014E** 

Project Manager: Kendra Skellenger

Report ID: A2L1045 - 01 25 23 1308

# QUALITY CONTROL (QC) SAMPLE RESULTS

			Solid a	nd Moist	ture Dete	rmination	s					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23A0059 - Total Suspen	nded Solid	s - 2022					Wa	ter				
Blank (23A0059-BLK1)			Prepared	: 01/04/23	14:37 Ana	lyzed: 01/04	/23 14:37					
SM 2540 D Total Suspended Solids	ND	5.00	5.00	mg/L	1							
Duplicate (23A0059-DUP1)			Prepared	: 01/04/23	14:37 Ana	lyzed: 01/04	/23 14:37					
QC Source Sample: Non-SDG (A2	2L1037-02)											
Total Suspended Solids	15.0	5.00	5.00	mg/L	1		16.0			6.45	10%	SL-
Duplicate (23A0059-DUP2)			Prepared	: 01/04/23	14:37 Ana	lyzed: 01/04	/23 14:37					
QC Source Sample: Non-SDG (A2	2L1081-01)											
Total Suspended Solids	70.0	5.00	5.00	mg/L	1		56.0			22.2	10%	Q-0
Reference (23A0059-SRM1)			Prepared	: 01/04/23	14:37 Ana	lyzed: 01/04	/23 14:37					
SM 2540 D Total Suspended Solids	823			mg/L	1	825		99.8	85-116%			

Apex Laboratories



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 A2L1045 - 01 25 23 1308

## SAMPLE PREPARATION INFORMATION

		Tot	al Metals by EPA 200	0.8 (ICPMS)			
Prep: EPA 3015A Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23A0388 A2L1045-01	Water	EPA 200.8	12/29/22 07:30	01/12/23 08:14	45mL/50mL	45mL/50mL	1.00
		So	lid and Moisture Dete	erminations			
Prep: Total Suspende	ed Solids - 2022	Mathad	C1- 4	D 1	Sample Initial/Final	Default Initial/Final	RL Prep

Prep: Total Suspende	<u>d Solids - 2022</u>				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 23A0059							
A2L1045-01	Water	SM 2540 D	12/29/22 07:30	01/04/23 14:37			NA

Apex Laboratories



## **Apex Laboratories, LLC**

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 A2L1045 - 01 25 23 1308

## **QUALIFIER DEFINITIONS**

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

## **Apex Laboratories**

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.

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.

Apex Laboratories



## Apex Laboratories, LLC

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 A2L1045 - 01 25 23 1308

#### 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



## Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Project: Gasco 1200Z Stormwater Sampling

 6720 SW Macadam Ave. Suite 125
 Project Number: 000029.02.78 T-14.014E
 Report ID:

 Portland, OR 97219
 Project Manager: Kendra Skellenger
 A2L1045 - 01 25 23 1308

## **REPORTING NOTES AND CONVENTIONS (Cont.):**

#### Blanks (Cont.):

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

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

#### **Preparation Notes:**

#### Mixed Matrix Samples:

#### Water Samples:

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

#### Soil and Sediment Samples:

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

## **Sampling and Preservation Notes:**

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

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

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

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

Apex Laboratories



## Apex Laboratories, LLC

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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 <u>exception</u> 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.

Apex Laboratories



# **Apex Laboratories, LLC**

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC Pro

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: Gasco 1200Z Stormwater Sampling

Project Number: **000029.02.78 T-14.014E** 

Project Manager: Kendra Skellenger

Report ID: A2L1045 - 01 25 23 1308

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Apex Laboratories



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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

Project:

Gasco 1200Z Stormwater Sampling

6720 SW Macadam Ave. Suite 125

Project Number: 000029.02.78 T-14.014E

Portland, OR 97219

Project Manager: Kendra Skellenger

Report ID: A2L1045 - 01 25 23 1308

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Apex Laboratories