MOTT MACDONALD

Andrew Smith
Washington State Department of Ecology
Southwest Region - Toxics Cleanup Program/VCP
PO Box 47775
Olympia, Washington 98504-7775

Your Reference
Facility Site ID: 1328,
Cleanup Site ID: 5012,
VCP Site No: SW1187

Former Birds Eye Foods Tacoma, First Quarter 2022 Groundwater Monitoring Event Summary Report

September 20, 2022

Dear Andrew:

Mott MacDonald
1601 5th Avenue
Suite 800
Seattle
WA 98101
United States of America

T +1 (206) 838 2886
mottmac.com

This letter report summarizes the first quarter 2022 (2022 Q1) groundwater sampling event performed at the former Birds Eye Foods facility located at 3403 South 35th Street, Tacoma, Washington. Petroleum-related contamination in soil was identified in a portion of the facility, referred to as the "Boiler Room Site" (Site), which was the subject of a 2011 Remedial Investigation/Feasibility Study (2011 RI/FS) (Pacific Groundwater Group 2011). The preferred remedial alternative identified in the 2011 RI/FS includes an environmental restrictive covenant and long-term groundwater quality monitoring in a network of four well pairs. In 2013 the Washington State Department of Ecology (Ecology) determined that no further remedial action is necessary to clean up contamination at the Boiler Room Site, dependent on the continued performance and effectiveness of the post-cleanup controls and groundwater quality monitoring. Ecology's 2019 Periodic Review Report concluded that the cleanup actions completed at the Site continue to be protective of human health and the environment, that the requirements of the restrictive covenant are being satisfactorily met, and that no additional remedial actions are needed (Ecology 2019).

The Boiler Room Site is jointly regulated by Ecology and by the Tacoma – Pierce County Health Department (TPCHD). The 2022 Q1 sampling event was performed, and this summary report was prepared, to satisfy both the Ecology and TPCHD groundwater monitoring requirements.

Analytical results for groundwater samples collected in 2022 Q1 indicate that the preferred remedial alternative identified in the 2011 RI/FS is effective; the petroleum contamination in soil is not resulting in a dissolved plume with concentrations exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels.

This work was performed, and this report prepared, in accordance with hydrogeologic practices generally accepted at this time and in this area for the

exclusive use of Birds Eye Foods, for specific application to the project Site. No other warranty, express or implied, is made.

1 Boiler Room Site Monitoring Program

As regulating agencies, groundwater monitoring at the Site is required by both Ecology and TPCHD and the monitoring programs are described below. The analytical suites are the same for both the Ecology- and TPCHD-required programs (Section 1.3), but the schedules and well networks differ.

The 2022 Q1 monitoring event was conducted to satisfy both the Voluntary Cleanup Program (VCP) Long-Term Monitoring Program required by Ecology and the Semi-Annual Groundwater Monitoring Program required by TPCHD.

1.1 Ecology-Required VCP Long-Term Monitoring Program

The Birds Eye Foods Long-Term Groundwater Monitoring Plan (herein VCP Monitoring Plan) (Pacific Groundwater Group 2012) was reviewed by Ecology under the VCP framework of MTCA. The VCP Monitoring Plan describes the monitoring program objectives, well network, schedule, sampling protocols, contaminants of concern, and Site cleanup levels. The 2022 Q1 groundwater samples were collected in compliance with the VCP Monitoring Plan.

Monitoring Well Network and Schedule

For the Boiler Room Site monitoring well pairs, shallow wells have the suffix “S”; deep wells have the suffix “D”. At each pair, the shallow and deep wells are approximately five lateral feet from each other. Well construction information is summarized in Table 1 and well locations are shown on Figure 1. The long-term monitoring well network is presented in Figure 1 and consists of:

MW-9S	MW-12S	MW-13S	MW-14S
MW-9D	MW-12D	MW-13D	MW-14D

As described in the VCP Monitoring Plan, the preferred remedial alternative identified in the 2011 RI/FS includes groundwater quality monitoring in 8 wells at the following frequency:

- 4 quarters of monitoring in Year 1
- 1 event every 18 months in Years 2 – 10

This schedule is subject to change following Ecology Periodic Reviews[1] that are performed at five-year intervals (5-Year Reviews). Modifications to the groundwater monitoring program were not made as part of the 2019 Periodic Review.

The four quarters of consecutive monitoring in Year 1 were completed in 2013 Q1. The 2022 Q1 monitoring represents the sixth event at an 18-month interval and Year 10. The next sampling event under the VCP Monitoring Program is scheduled for 2023 Q3.

[1] The Boiler Room Site No Further Action is dated July 8, 2013; the first Periodic Review was completed in 2019 (Ecology 2019) and concluded that cleanup actions continue to be protective of human health and the environment, that the requirements of the Restrictive Covenant are being satisfactorily met, and that no additional remedial actions are needed at this time.

1.2 TPCHD-Required Semi-Annual Groundwater Monitoring Program

TPCHD regulates the Boiler Room Site as an open underground storage tank (UST) Site. Due to the presence of contaminated soil below the water table at the Boiler Room Site, TPCHD requires on-going groundwater monitoring to assess the efficacy of remedial actions and to monitor for potential contaminant migration (Marek undated; received June 13, 2013).

Monitoring Well Network and Schedule

The semi-annual monitoring events involve sampling wells MW-9S, MW-9D, MW-12S, and MW-12D (Figure 1), which are a subset of the VCP Long-Term Monitoring Program. Semi-annual monitoring is required in the spring and fall. The next sampling event under the Semi-Annual Monitoring Program is scheduled for 2022 Q3.

1.3 Chemicals of Concern and Site Cleanup Levels

The analytical suite for groundwater monitoring at the Boiler Room Site is:

- Northwest Total Petroleum Hydrocarbons – Gasoline Range Organics (NWTPH-G), and Diesel-Range and Heavy Oil-Range Organics (NWTPH-Dx)
- BTEX Compounds: Benzene, Toluene, Ethylbenzene, and Xylenes (EPA Method 8260[2])
- PAHs: Polynuclear Aromatic Hydrocarbons (EPA Method 8270E with selected ion monitoring modification to achieve required reporting limits)

As described in the 2011 RI/FS and Long-Term Monitoring Plan, standard MTCA Method A Unrestricted Land Use cleanup levels are applicable to the Boiler Room Site to evaluate the relative chemical effects from soil contamination at the Site on groundwater quality. MTCA Method A meets the criteria of WAC 173-340-704(1) because there are few hazardous substances at the Site and numerical Method A standards have been established. Site-groundwater cleanup levels are presented in Tables 2 and 3, and are consistent with the 2011 RI/FS.

2 2022 Q1 Groundwater Sampling Summary

Groundwater quality samples for the 2022 Q1 monitoring event were collected from the Boiler Room Site long-term well network in compliance with the Semi-Annual Groundwater Monitoring Plan (Pacific Groundwater Group 2013) and TPCHD requirements (Marek undated; received June 13, 2013) on March 16th and 17th, 2022 by representatives of Mott MacDonald.

The monitoring wells were purged and sampled using new, disposable tubing and peristaltic pumps. Low flow purging and sampling techniques were used to minimize turbidity in the groundwater samples. During purging, field meters were used to monitor pH, specific conductance, temperature, and turbidity. Samples were collected when these field parameters had stabilized or after a minimum of

[2] As stated in reports for sampling events performed between September 2015 and March 2017, groundwater samples collected at the Boiler Room Site between 2001 and March 2015 were analyzed for BTEX compounds by EPA Method 8021. Subsequently, ARI discontinued analyzing water samples for BTEX compounds by Method 8021 and informed PGG that “Ecology is moving away from that method as it gives false positives” (Bottem 2015). Therefore, samples collected at the Boiler Room Site in 2020 Q3 were analyzed for BTEX compounds by EPA 8260. ARI’s BTEX reporting limits for EPA 8260 are equal to or less than those for EPA 8021.

three casing volumes had been purged. Purge water was drummed and temporarily stored onsite prior to offsite treatment and disposal.

Groundwater samples were delivered to Analytical Resources, Inc. (ARI), a Washington State certified laboratory, on March 16th and 17th, 2022. Samples were delivered in ice chests following standard chain-of-custody procedures. Groundwater samples were analyzed according to Ecology and/or U.S. Environmental Protection Agency methods for the site chemicals of concern.

2.1 Analytical Results

The 2022 Q1 groundwater monitoring analytical results are summarized in Tables 2 and 3. The analytical lab reports are presented in Appendix A. Site contaminants of concern were not detected in the groundwater samples. The analytical reporting limits were less than or equal to corresponding Site cleanup levels.

The 2022 Q1 groundwater analytical results indicate the preferred remedial alternative identified in the 2011 RI/FS is effective; the petroleum contamination in soil at the Boiler Room Site is not resulting in a dissolved plume with concentrations exceeding MTCA Method A groundwater cleanup levels.

Quality assurance/quality control (QA/QC) data associated with the Boiler Room Site 2022 Q1 groundwater samples were reviewed by Mott MacDonald. All requested analyses were performed and the QA/QC assessments indicated acceptable results with the following notation:

- Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) are types of QA/QC samples. The lab prepares the MS/MSDs by adding known spikes of target analytes to samples collected in the field. Recoveries of the spikes from the MS assess the effects of interferences caused by the specific sample matrix. MSDs are replicates of the MS to check for precision and bias of a method for a specific sample matrix. During the 2022 Q1 sampling event, additional volume for MS/MSD analysis was collected from MW-12D. Recoveries of benzene and toluene were above control limits in the MSD. Recoveries of benzene and toluene were within control limits in the MS and the relative percent differences (RPDs) were also in control. Since MS/MSD recovery limits are advisory only (lab report 22C0302) and benzene and toluene were not detected in the 2022 Q1 samples, no corrective actions were required, and the data are considered acceptable for purposes of the monitoring program without qualification.

Consistent with the VCP Monitoring Plan, field QA/QC included a blind field duplicate labeled MW-22S that was collected at well MW-12S and analyzed to evaluate analytical precision. No Site chemicals of concern were detected in either the 2022 Q1 field duplicate MW-22S or MW-12S.

2.2 Groundwater Flow Direction

Water levels measured in the shallow well network during the 2022 Q1 sampling event (Table 2, measurements made March 16th and 17th, 2022) were used to generate elevation contours of the water table (Figure 1). The contours reflect a very flat water table, varying only 0.25 feet, or 3 inches, across the Site. The groundwater flow direction during the 2022 Q1 event was toward the northeast.

3 References

Bottem, Kelly. 2015. Email from Kelly Bottem, ARI, to Inger Jackson, Pacific Groundwater Group re: AMQ4 Maytown. September 29, 2015.

Marek, undated. Birds Eye Foods – UST Site Tacoma, WA. Letter from Mr. Steve Marek, Director Environmental Health Division Tacoma – Pierce County Health Department to Mr. Scott Fehseke, Pinnacle Foods, LLC. Digital version of letter received by Pinnacle Foods, LLC via email on June 13, 2013.

Pacific Groundwater Group, 2011. Birds Eye Foods Tacoma, WA 2011 Remedial Investigation/Feasibility Study. Consultant's report prepared for Pinnacle Foods Group, LLC. December 16, 2011.

Pacific Groundwater Group, 2012. Birds Eye Foods, Tacoma Boiler Room Site Long-Term Groundwater Monitoring Plan VCP Site Number SW1187. Consultant's re-port prepared for Pinnacle Foods Group, LLC. October 23, 2012

Washington State Department of Ecology, 2007. Model Toxics Control Act Statute and Regulation. WAC 173-340. Publication No. 94-06. Revised November 2007.

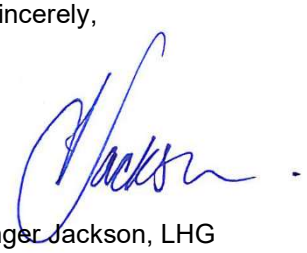
Washington State Department of Ecology, 2014. Cleanup Levels and Risk Calculations (CLARC) Data Tables – May 2014 update. https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx

Washington State Department of Ecology, 2019. Periodic Review Report Final Birds Eye Foods Facility; Site ID#: 1328; Cleanup Site ID#: 5012; 3303 South 35th Street Tacoma, Washington 98409. Southwest Regional Office Toxics Cleanup Program. February 2019.

4 Closing

We hope this data contributes to your understanding of the Site and groundwater monitoring data. Please contact Inger Jackson at Mott MacDonald with questions.

Sincerely,



Inger Jackson, LHG
Senior Project Scientist
206-329-0138
inger.jackson@mottmac.com

cc	René Rimelspach	Conagra Brands
	Rob Olsen	Tacoma - Pierce County Health Department

Attachments

Table 1. VCP Long-Term Monitoring Well Network Construction Details, Birds Eye Boiler Room Site

Table 2. Summary of Groundwater Quality Data, Birds Eye Foods, 2022 Q1

Table 3. Summary of Polynuclear Aromatic Hydrocarbons (PAH, SW8270D), Birds Eye Foods, 2022 Q1

Figure 1. VCP Long-Term Monitoring Well Network and 2022 Q1 Water Table Contours

Appendix A. ARI Lab Reports 22C0302 and 22C0308

Table 1. VCP Long-Term Monitoring Well Network Construction Details, Birds Eye Boiler Room Site

	Units, Datum*	MW-9S	MW-9D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D
Unique Well ID (UWID)				BHL 104	BHL 103	BHL 106	BHL 105	BHL 108	BHL 107
Location Information									
Township/Range-Section		21N/R3E-07	21N/R3E-07	21N/R3E-07	21N/R3E-07	21N/R3E-07	21N/R3E-07	21N/R3E-07	21N/R3E-07
Northing	feet, NAD 83/91 WA South	697261.9	697257.9	697590.9	697585.0	697449.3	697457.4	697375.4	697375.0
Easting	feet, NAD 83/91 WA South	1148195.0	1148194.9	1148259.2	1148259.1	1148109.1	1148110.2	1148314.6	1148326.9
Ground Surface Elevation	feet, NAVD 88	247.67	247.64	248.24	248.19	247.23	247.24	249.45	249.43
Measuring Point Elevation	feet, NAVD 88	246.99	247.14	247.86	247.90	246.89	246.98	249.08	249.10
Construction Information									
Date Completed		10/22/1991	8/24/1992	4/23/2012	4/23/2012	4/24/2012	4/24/2012	4/26/2012	4/25/2012
Diameter	inches	2	2	2	2	2	2	2	2
Depth Drilled	feet bgs	37	82	35	75	35	75	35	75
Top of Screen	feet bgs	22	77	20	63	20	63	20	63
Bottom of Screen	feet bgs	37	82	35	73	35	73	35	73
Depth Completed	feet bgs	37	82	35	73	35	73	35	73
Monument Type		←		Sherwood High Traffic Flush Monument					→

* Vertical and Horizontal Datums use the Washington State Reference Network
bgs = below ground surface

Table 2: Summary of Groundwater Quality Data, Birds Eye Foods, 2022 Q1

CONSTITUENT	UNITS	Site Cleanup Levels*	MW-9S	MW-9D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D
Field Parameters										
Depth to Water	feet		17.08	17.56	18.2	18.42	17.01	17.21	19.21	19.44
pH, Field	std. units		6.99	7.05	7.17	7.68	6.78	7.38	6.81	7.17
Specific Conductance, Field	umhos/cm		213.9	329	420.4	324.5	152.9	256.4	252.3	336.7
Temperature (C)	C		13.9	14.6	13.3	14.2	14	13.9	14.8	14.5
Turbidity, Field	NTU		0.02	2.93	48.3	3.2	5.38	3.26	5.32	6.49
NWTPH Analytes										
Diesel Range Organics	mg/L	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Gasoline Range Organics	mg/L	0.8	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil Range Organics	mg/L	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BTEX (EPA 8260)										
Benzene	ug/L	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	ug/L	700	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	ug/L	1000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	ug/L		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylene Isomers, m+p	ug/L		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

**Cleanup Levels based on MTCA Method A.*

MTCA Cleanup Levels: Gasoline Range Organics 0.8 mg/L if benzene present, 1.0 mg/L if benzene not present; Xylenes 1000 ug/L (individual cleanup levels for m+p xylenes and o-xylenes not established); Benzo(a)pyrene cleanup level represents the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency method in WAC 173-340-708(8). See Table 3 for PAHs and text if carcinogenic PAHs detected in groundwater samples for this event.

NWTPH-Dx analysis with silica gel cleanup, consistent with historical site analyses

Lower case qualifiers assigned by PGG QA/QC data reviewer.
Upper case qualifiers assigned by lab.
Bold text indicates constituent detected at or above method reporting limit.

U - Compound not detected
J - Concentration estimated
B - Compound detected in blank

Table 3: Summary of Polynuclear Aromatic Hydrocarbon (PAH, SW8270D) Data, Birds Eye Foods, 2022 Q1

CONSTITUENT	UNITS	Site Cleanup Levels*	MW-9S	MW-9D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D
Carcinogenic PAHs										
Benzo(a)anthracene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	ug/L	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(b)fluoranthene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(k)fluoranthene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chrysene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzo(a,h)anthracene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Indeno(1,2,3-cd)pyrene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Non-Carcinogenic PAHs										
Acenaphthene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Anthracene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)perylene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluorene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	ug/L	160	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Phenanthrene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Pyrene	ug/L		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

**Cleanup Levels based on MTCA Method A.*

MTCA Cleanup Levels: Gasoline Range Organics 0.8 mg/L if benzene present, 1.0 mg/L if benzene not present; Xylenes 1000 ug/L (individual cleanup levels for m+p xylenes and o-xylenes not established); Benzo(a)pyrene cleanup level represents the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency method in WAC 173-340-708(8). See Table 3 for PAHs and text if carcinogenic PAHs detected in groundwater samples for this event.

NWTPH-Dx analysis with silica gel cleanup, consistent with historical site analyses

Lower case qualifiers assigned by PGG QA/QC data reviewer.
Upper case qualifiers assigned by lab.
Bold text indicates constituent detected at or above method reporting limit.

U - Compound not detected
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B - Compound detected in blank

K:\RUSS\BirdsEye\GIS\MonitoringNetwork_2022Q1WL.mxd - 6/3/2022

Long-Term Monitoring Well Network with Water Table Elevation in Feet

Water Table Elevation Contours in Feet NAVD88

Groundwater Flow Direction

0 Feet 50

2019 Orthophoto

Figure 1

VCP Long-Term Monitoring Well Network & 2022 Q1 Water Table Contours M

Birds Eye
2022 Q1 Monitoring Report

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Appendix A
Analytical Lab Reports

Analytical Resources, LLC
Analytical Chemists and Consultants

02 April 2022

Inger Jackson
Pacific Groundwater Group
2377 Eastlake Ave. E. Suite 200
Seattle, WA 98102

RE: Birds Eye (Birds Eye)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
22C0302	N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Kelly Bottem, Client Services Manager

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.

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006-012

4611 S. 134th Place, Suite 100 • Tukwila, WA 98168 • Ph: (206) 695-6200 • Fax: (206) 695-6202

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 22C0302	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: Mott MacDonald (PGG)	Phone: 206 979 4566	Date: 3/16/22	Ice Present? yes
Client Contact: Inger Jackson		No. of Coolers: 1	Cooler Temps: 2.1
Client Project Name: Birds Eye			
Client Project #: 518300040-001	Samplers: I. Jackson / S. Pierce		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: BTEX+G	PAH - SIM	NWTPH-Dx (Silica Gel Clean Up)						Notes/Comments
MW-12S	3/16/22	1050	GW	7	3	2	2						
MW-12D (+MS/MSD)	3/16/22	1050	GW	21	9	6	6						
MW-22S	3/16/22	1110	GW	7	3	2	2						
~~MW-9S~~	~~3/16/22~~			7	3	2	2						
~~MW-9D~~	~~3/16/22~~			7									
Trip Blanks					2								

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
EDDs in "PGG" format.	Printed Name: Inger Jackson	Printed Name: Shelly L Fishel	Printed Name:	Printed Name:
	Company: Mott Mac / PGG	Company: ARI - Overnight Secure location	Company:	Company:
	Date & Time: 3/16/22 1814	Date & Time: 03/17/2022 1124	Date & Time:	Date & Time:

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12S	22C0302-01	Water	16-Mar-2022 10:50	17-Mar-2022 11:24
MW-12D	22C0302-02	Water	16-Mar-2022 10:50	17-Mar-2022 11:24
MW-22S	22C0302-03	Water	16-Mar-2022 11:00	17-Mar-2022 11:24
Trip Blanks	22C0302-04	Water	16-Mar-2022 10:50	17-Mar-2022 11:24

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Work Order Case Narrative

Volatiles - EPA Method SW8260D

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) spike recoveries and relative percent difference (RPD) were within advisory control limits with the exception of analytes flagged on the associated forms.

Gasoline by NWTPH-g (GC/MS)

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) spike recoveries and relative percent difference (RPD) were within advisory control limits.

Polynuclear Aromatic Hydrocarbons (PAH) - EPA Method SW8270E-SIM

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits.

Diesel/Heavy Oil Range Organics - WA-Ecology Method NW-TPHDx

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits.

WORK ORDER

22C0302

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Client: Pacific Groundwater Group | **Project Manager:** Kelly Bottem

Project: Birds Eye | **Project Number:** Birds Eye

Preservation Confirmation

Container ID	Container Type	pH
22C0302-01 A	Glass NM, Amber, 500 mL	
22C0302-01 B	Glass NM, Amber, 500 mL	
22C0302-01 C	Glass NM, Amber, 500 mL	
22C0302-01 D	Glass NM, Amber, 500 mL	
22C0302-01 E	VOA Vial, Clear, 40 mL, HCL	
22C0302-01 F	VOA Vial, Clear, 40 mL, HCL	
22C0302-01 G	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 A	Glass NM, Amber, 500 mL	
22C0302-02 B	Glass NM, Amber, 500 mL	
22C0302-02 C	Glass NM, Amber, 500 mL	
22C0302-02 D	Glass NM, Amber, 500 mL	
22C0302-02 E	Glass NM, Amber, 500 mL	
22C0302-02 F	Glass NM, Amber, 500 mL	
22C0302-02 G	Glass NM, Amber, 500 mL	
22C0302-02 H	Glass NM, Amber, 500 mL	
22C0302-02 I	Glass NM, Amber, 500 mL	
22C0302-02 J	Glass NM, Amber, 500 mL	
22C0302-02 K	Glass NM, Amber, 500 mL	
22C0302-02 L	Glass NM, Amber, 500 mL	
22C0302-02 M	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 N	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 O	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 P	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 Q	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 R	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 S	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 T	VOA Vial, Clear, 40 mL, HCL	
22C0302-02 U	VOA Vial, Clear, 40 mL, HCL	
22C0302-03 A	Glass NM, Amber, 500 mL	
22C0302-03 B	Glass NM, Amber, 500 mL	
22C0302-03 C	Glass NM, Amber, 500 mL	
22C0302-03 D	Glass NM, Amber, 500 mL	
22C0302-03 E	VOA Vial, Clear, 40 mL, HCL	Bubble
22C0302-03 F	VOA Vial, Clear, 40 mL, HCL	

Reviewed By _____ Date _____

WORK ORDER

22C0302

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Client: Pacific Groundwater Group **Project Manager: Kelly Bottem**

Project: Birds Eye **Project Number: Birds Eye**

22C0302-03 G	VOA Vial, Clear, 40 mL, HCL
22C0302-04 A	VOA Vial, Clear, 40 mL, HCL
22C0302-04 B	VOA Vial, Clear, 40 mL, HCL

JJ

Preservation Confirmed By

3/18/22

Date

Reviewed By

Date

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Mott MacDonald / PEG Project Name: Birds Eye

COC No(s): _____ NA Delivered by: Fed-Ex UPS Courier Hand Delivered Other: Nightdrop

Assigned ARI Job No: 22C0302 Tracking No: _____ NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 2.1

Time 1123

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 100970S

Cooler Accepted by: _____ Date: 03/17/2022 Time: 1124

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	NO
What kind of packing material was used? ... Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: _____			
Was sufficient ice used (if appropriate)?	NA	YES	NO
How were bottles sealed in plastic bags?	Individually	Grouped	Not
Did all bottles arrive in good condition (unbroken)?		YES	NO
Were all bottle labels complete and legible?		YES	NO
Did the number of containers listed on COC match with the number of containers received?		YES	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		YES	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ...	NA	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	NO
Was sufficient amount of sample sent in each bottle?		YES	NO
Date VOC Trip Blank was made at ARI	NA	03/14/22	

Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: SSm Date: 03/18/22 Time: 0920 Labels checked by: SSm

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

vials w/ air bubbles marked on preservation sheet, lab to determine sizes.

By: SSm Date: 03/18/22

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12S

22C0302-01 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 10:50
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:52

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-01 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*104*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*96.0*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12S

22C0302-01 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 10:50
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:52

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-01 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*96.0*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12S

22C0302-01 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/16/2022 10:50
Instrument: NT8 Analyst: JZ — Analyzed: 03/25/2022 20:07

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0302-01 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*56.0*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*66.6*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12S

22C0302-01 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/16/2022 10:50
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 16:35

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0302-01 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0302-01 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0302-01 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*67.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12D

22C0302-02 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 10:50
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 16:17

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-02 N
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*109*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*102*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.7*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*100*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12D

22C0302-02 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 10:50
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 16:17

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-02 N
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*102*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.7*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12D

22C0302-02 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/16/2022 10:50
Instrument: NT8 Analyst: JZ — Analyzed: 03/25/2022 20:35

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0302-02 D 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*66.1*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*68.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-12D

22C0302-02 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/16/2022 10:50
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 16:56

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0302-02 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0302-02 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0302-02 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*79.8*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-22S

22C0302-03 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 11:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 16:42

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-03 F
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*100*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*98.4*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*100*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-22S

22C0302-03 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 11:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 16:42

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-03 F
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*100*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*98.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-22S

22C0302-03 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/16/2022 11:00
Instrument: NT8 Analyst: JZ — Analyzed: 03/25/2022 21:56

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0302-03 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*54.5*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*66.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

MW-22S

22C0302-03 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/16/2022 11:00
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 18:42

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0302-03 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0302-03 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0302-03 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*82.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Trip Blanks

22C0302-04 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 10:50

Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 11:14

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-04 A

Preparation Batch: BKC0492 — Sample Size: 10 mL

Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*102*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*94.1*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Trip Blanks

22C0302-04 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 10:50

Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 11:14

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0302-04 A

Preparation Batch: BKC0492 — Sample Size: 10 mL

Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*102*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*94.1*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BKC0492 - EPA 5030C (Purge and Trap)

Instrument: NT3 Analyst: PKC

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0492-BLK1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 10:49					
Gasoline Range Organics (Tol-Nap)	ND	100	ug/L							U
Surrogate: Toluene-d8	5.22		ug/L	*5.00*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.69		ug/L	*5.00*		*93.9*	*80-120*			
Blank (BKC0492-BLK2)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 10:49					
Benzene	ND	0.20	ug/L							U
Toluene	ND	0.20	ug/L							U
Ethylbenzene	ND	0.20	ug/L							U
m,p-Xylene	ND	0.40	ug/L							U
o-Xylene	ND	0.20	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	5.34		ug/L	*5.00*		*107*	*80-129*			
Surrogate: Toluene-d8	5.22		ug/L	*5.00*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.69		ug/L	*5.00*		*93.9*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.97		ug/L	*5.00*		*99.4*	*80-120*			
LCS (BKC0492-BS1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 08:42					
Gasoline Range Organics (Tol-Nap)	973	100	ug/L	1000		97.3	72-128			
Surrogate: Toluene-d8	5.11		ug/L	*5.00*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.99		ug/L	*5.00*		*99.7*	*80-120*			
LCS (BKC0492-BS2)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 09:08					
Benzene	10.5	0.20	ug/L	10.0		105	80-120			
Toluene	10.0	0.20	ug/L	10.0		100	80-120			
Ethylbenzene	9.64	0.20	ug/L	10.0		96.4	80-120			
m,p-Xylene	19.9	0.40	ug/L	20.0		99.7	80-121			
o-Xylene	9.66	0.20	ug/L	10.0		96.6	80-121			
Surrogate: 1,2-Dichloroethane-d4	5.37		ug/L	*5.00*		*107*	*80-129*			
Surrogate: Toluene-d8	5.04		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.99		ug/L	*5.00*		*99.7*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	5.11		ug/L	*5.00*		*102*	*80-120*			
LCS Dup (BKC0492-BSD1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 09:33					
Gasoline Range Organics (Tol-Nap)	987	100	ug/L	1000		98.7	72-128	1.47	30	
Surrogate: Toluene-d8	5.14		ug/L	*5.00*		*103*	*80-120*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BKC0492 - EPA 5030C (Purge and Trap)

Instrument: NT3 Analyst: PKC

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BKC0492-BSD1)				Prepared: 21-Mar-2022		Analyzed: 21-Mar-2022 09:33				
Surrogate: 4-Bromofluorobenzene	4.97		ug/L	*5.00*		*99.5*	*80-120*			
LCS Dup (BKC0492-BSD2)				Prepared: 21-Mar-2022		Analyzed: 21-Mar-2022 09:59				
Benzene	11.4	0.20	ug/L	10.0		114	80-120	7.95	30	
Toluene	11.0	0.20	ug/L	10.0		110	80-120	9.09	30	
Ethylbenzene	10.6	0.20	ug/L	10.0		106	80-120	9.25	30	
m,p-Xylene	21.2	0.40	ug/L	20.0		106	80-121	6.36	30	
o-Xylene	10.4	0.20	ug/L	10.0		104	80-121	7.88	30	
Surrogate: 1,2-Dichloroethane-d4	5.13		ug/L	*5.00*		*103*	*80-129*			
Surrogate: Toluene-d8	5.05		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	5.04		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	5.04		ug/L	*5.00*		*101*	*80-120*			
Matrix Spike (BKC0492-MS1)	**Source: 22C0302-02**			Prepared: 21-Mar-2022		Analyzed: 21-Mar-2022 18:26				
Gasoline Range Organics (Tol-Nap)	898	100	ug/L	1000	ND	85.3	72-128			
Surrogate: Toluene-d8	5.07		ug/L	*5.00*	*5.09*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.95		ug/L	*5.00*	*4.89*	*99.0*	*80-120*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike (BKC0492-MS2)	**Source: 22C0302-02**			Prepared: 21-Mar-2022		Analyzed: 21-Mar-2022 19:16				
Benzene	11.0	0.20	ug/L	10.0	ND	110	80-120			
Toluene	10.8	0.20	ug/L	10.0	ND	108	80-120			
Ethylbenzene	10.4	0.20	ug/L	10.0	ND	104	80-120			
m,p-Xylene	21.3	0.40	ug/L	20.0	ND	106	80-121			
o-Xylene	10.5	0.20	ug/L	10.0	ND	105	80-121			
Surrogate: 1,2-Dichloroethane-d4	5.45		ug/L	*5.00*	*5.45*	*109*	*80-129*			
Surrogate: Toluene-d8	5.06		ug/L	*5.00*	*5.09*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	5.24		ug/L	*5.00*	*4.89*	*105*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.87		ug/L	*5.00*	*5.00*	*97.4*	*80-120*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike Dup (BKC0492-MSD1)	**Source: 22C0302-02**			Prepared: 21-Mar-2022		Analyzed: 21-Mar-2022 18:51				
Gasoline Range Organics (Tol-Nap)	891	100	ug/L	1000	ND	84.6	72-128	0.71	30	
Surrogate: Toluene-d8	5.12		ug/L	*5.00*	*5.09*	*102*	*80-120*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BKC0492 - EPA 5030C (Purge and Trap)

Instrument: NT3 Analyst: PKC

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BKC0492-MSD1)	**Source: 22C0302-02**		Prepared: 21-Mar-2022 Analyzed: 21-Mar-2022 18:51							
Surrogate: 4-Bromofluorobenzene	5.17		ug/L	*5.00*	*4.89*	*103*	*80-120*			
Recovery limits for target analytes in MS/MSD QC samples are advisory only.										
Matrix Spike Dup (BKC0492-MSD2)	**Source: 22C0302-02**		Prepared: 21-Mar-2022 Analyzed: 21-Mar-2022 19:41							
Benzene	12.6	0.20	ug/L	10.0	ND	126	80-120	13.30	30	*
Toluene	12.2	0.20	ug/L	10.0	ND	122	80-120	11.90	30	*
Ethylbenzene	11.7	0.20	ug/L	10.0	ND	117	80-120	11.30	30	
m,p-Xylene	23.9	0.40	ug/L	20.0	ND	119	80-121	11.30	30	
o-Xylene	11.6	0.20	ug/L	10.0	ND	116	80-121	10.40	30	
Surrogate: 1,2-Dichloroethane-d4	5.19		ug/L	*5.00*	*5.45*	*104*	*80-129*			
Surrogate: Toluene-d8	5.13		ug/L	*5.00*	*5.09*	*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.84		ug/L	*5.00*	*4.89*	*96.7*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.88		ug/L	*5.00*	*5.00*	*97.6*	*80-120*			
Recovery limits for target analytes in MS/MSD QC samples are advisory only.										

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0486-BLK1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 16:57						
Naphthalene	ND	0.10	ug/L							U
2-Methylnaphthalene	ND	0.10	ug/L							U
1-Methylnaphthalene	ND	0.10	ug/L							U
Acenaphthylene	ND	0.10	ug/L							U
Acenaphthene	ND	0.10	ug/L							U
Dibenzofuran	ND	0.10	ug/L							U
Fluorene	ND	0.10	ug/L							U
Phenanthrene	ND	0.10	ug/L							U
Anthracene	ND	0.10	ug/L							U
Fluoranthene	ND	0.10	ug/L							U
Pyrene	ND	0.10	ug/L							U
Benzo(a)anthracene	ND	0.10	ug/L							U
Chrysene	ND	0.10	ug/L							U
Benzo(b)fluoranthene	ND	0.10	ug/L							U
Benzo(k)fluoranthene	ND	0.10	ug/L							U
Benzo(j)fluoranthene	ND	0.10	ug/L							U
Benzofluoranthenes, Total	ND	0.20	ug/L							U
Benzo(a)pyrene	ND	0.10	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L							U
Dibenzo(a,h)anthracene	ND	0.10	ug/L							U
Benzo(g,h,i)perylene	ND	0.10	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	1.72		ug/L	*3.00*		*57.5*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	1.92		ug/L	*3.00*		*64.1*	*10-125*			
LCS (BKC0486-BS1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:24						
Naphthalene	1.58	0.10	ug/L	3.00		52.6	33-120			
2-Methylnaphthalene	1.67	0.10	ug/L	3.00		55.5	29-120			
1-Methylnaphthalene	1.69	0.10	ug/L	3.00		56.2	37-120			
Acenaphthylene	1.42	0.10	ug/L	3.00		47.3	32-120			
Acenaphthene	1.72	0.10	ug/L	3.00		57.2	38-120			
Dibenzofuran	1.72	0.10	ug/L	3.00		57.3	38-120			
Fluorene	1.83	0.10	ug/L	3.00		60.9	41-120			
Phenanthrene	1.96	0.10	ug/L	3.00		65.3	49-120			
Anthracene	1.82	0.10	ug/L	3.00		60.6	39-120			
Fluoranthene	2.21	0.10	ug/L	3.00		73.7	48-120			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BKC0486-BS1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:24						
Pyrene	2.23	0.10	ug/L	3.00		74.4	48-120			
Benzo(a)anthracene	2.15	0.10	ug/L	3.00		71.6	37-120			
Chrysene	2.26	0.10	ug/L	3.00		75.2	48-120			
Benzo(b)fluoranthene	2.56	0.10	ug/L	3.00		85.2	38-128			
Benzo(k)fluoranthene	2.66	0.10	ug/L	3.00		88.6	36-130			
Benzo(j)fluoranthene	1.84	0.10	ug/L	3.00		61.5	49-120			
Benzofluoranthenes, Total	7.01	0.20	ug/L	9.00		77.8	46-120			
Benzo(a)pyrene	2.09	0.10	ug/L	3.00		69.5	25-120			
Indeno(1,2,3-cd)pyrene	2.43	0.10	ug/L	3.00		81.0	32-120			
Dibenzo(a,h)anthracene	2.51	0.10	ug/L	3.00		83.7	21-120			
Benzo(g,h,i)perylene	2.42	0.10	ug/L	3.00		80.6	28-120			
Surrogate: 2-Methylnaphthalene-d10	1.61		ug/L	*3.00*		*53.8*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.13		ug/L	*3.00*		*70.9*	*10-125*			
LCS Dup (BKC0486-BSD1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:51						
Naphthalene	1.71	0.10	ug/L	3.00		56.8	33-120	7.74	30	
2-Methylnaphthalene	1.82	0.10	ug/L	3.00		60.7	29-120	8.91	30	
1-Methylnaphthalene	1.85	0.10	ug/L	3.00		61.7	37-120	9.41	30	
Acenaphthylene	1.57	0.10	ug/L	3.00		52.2	32-120	10.00	30	
Acenaphthene	1.83	0.10	ug/L	3.00		61.0	38-120	6.49	30	
Dibenzofuran	1.86	0.10	ug/L	3.00		61.9	38-120	7.77	30	
Fluorene	1.97	0.10	ug/L	3.00		65.6	41-120	7.35	30	
Phenanthrene	2.08	0.10	ug/L	3.00		69.4	49-120	6.23	30	
Anthracene	1.99	0.10	ug/L	3.00		66.3	39-120	8.94	30	
Fluoranthene	2.28	0.10	ug/L	3.00		76.1	48-120	3.24	30	
Pyrene	2.22	0.10	ug/L	3.00		74.1	48-120	0.32	30	
Benzo(a)anthracene	2.15	0.10	ug/L	3.00		71.5	37-120	0.05	30	
Chrysene	2.25	0.10	ug/L	3.00		75.1	48-120	0.16	30	
Benzo(b)fluoranthene	2.70	0.10	ug/L	3.00		89.9	38-128	5.33	30	
Benzo(k)fluoranthene	2.77	0.10	ug/L	3.00		92.2	36-130	4.01	30	
Benzo(j)fluoranthene	1.88	0.10	ug/L	3.00		62.8	49-120	2.11	30	
Benzofluoranthenes, Total	7.16	0.20	ug/L	9.00		79.5	46-120	2.16	30	
Benzo(a)pyrene	2.09	0.10	ug/L	3.00		69.7	25-120	0.23	30	
Indeno(1,2,3-cd)pyrene	2.54	0.10	ug/L	3.00		84.8	32-120	4.54	30	
Dibenzo(a,h)anthracene	2.63	0.10	ug/L	3.00		87.7	21-120	4.70	30	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BKC0486-BSD1)				Prepared: 21-Mar-2022		Analyzed: 25-Mar-2022 17:51				
Benzo(g,h,i)perylene	2.55	0.10	ug/L	3.00		85.1	28-120	5.35	30	
Surrogate: 2-Methylnaphthalene-d10	1.68		ug/L	*3.00*		*55.9*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.10		ug/L	*3.00*		*70.1*	*10-125*			
Matrix Spike (BKC0486-MS1)	**Source: 22C0302-02**			Prepared: 21-Mar-2022		Analyzed: 25-Mar-2022 21:02				
Naphthalene	1.78	0.10	ug/L	3.00	ND	58.6	33-120			
2-Methylnaphthalene	1.92	0.10	ug/L	3.00	ND	64.0	29-120			
1-Methylnaphthalene	1.93	0.10	ug/L	3.00	ND	64.3	37-120			
Acenaphthylene	1.59	0.10	ug/L	3.00	ND	52.8	32-120			
Acenaphthene	1.88	0.10	ug/L	3.00	ND	62.6	38-120			
Dibenzofuran	1.89	0.10	ug/L	3.00	ND	62.9	38-120			
Fluorene	1.98	0.10	ug/L	3.00	ND	65.8	41-120			
Phenanthrene	2.13	0.10	ug/L	3.00	ND	71.1	49-120			
Anthracene	2.07	0.10	ug/L	3.00	ND	68.9	39-120			
Fluoranthene	2.26	0.10	ug/L	3.00	ND	75.5	48-120			
Pyrene	2.29	0.10	ug/L	3.00	ND	76.3	48-120			
Benzo(a)anthracene	2.23	0.10	ug/L	3.00	ND	74.5	37-120			
Chrysene	2.25	0.10	ug/L	3.00	ND	75.1	48-120			
Benzo(b)fluoranthene	2.59	0.10	ug/L	3.00	ND	86.4	38-128			
Benzo(k)fluoranthene	2.77	0.10	ug/L	3.00	ND	92.4	36-130			
Benzo(j)fluoranthene	1.87	0.10	ug/L	3.00	ND	62.2	49-120			
Benzofluoranthenes, Total	7.19	0.20	ug/L	9.00	ND	79.9	46-120			
Benzo(a)pyrene	2.28	0.10	ug/L	3.00	ND	75.8	25-120			
Indeno(1,2,3-cd)pyrene	2.61	0.10	ug/L	3.00	ND	87.0	32-120			
Dibenzo(a,h)anthracene	2.75	0.10	ug/L	3.00	ND	91.5	21-120			
Benzo(g,h,i)perylene	2.66	0.10	ug/L	3.00	ND	88.6	28-120			
Surrogate: 2-Methylnaphthalene-d10	1.73		ug/L	*3.00*	*1.98*	*57.8*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.26		ug/L	*3.00*	*2.07*	*75.4*	*10-125*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike Dup (BKC0486-MSD1)	**Source: 22C0302-02**			Prepared: 21-Mar-2022		Analyzed: 25-Mar-2022 21:29				
Naphthalene	1.87	0.10	ug/L	3.00	ND	61.8	33-120	5.25	30	
2-Methylnaphthalene	2.05	0.10	ug/L	3.00	ND	68.3	29-120	6.57	30	
1-Methylnaphthalene	2.00	0.10	ug/L	3.00	ND	66.6	37-120	3.57	30	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BKC0486-MSD1)	**Source: 22C0302-02**		Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 21:29							
Acenaphthylene	1.76	0.10	ug/L	3.00	ND	58.8	32-120	10.70	30	
Acenaphthene	2.03	0.10	ug/L	3.00	ND	67.8	38-120	7.93	30	
Dibenzofuran	2.04	0.10	ug/L	3.00	ND	67.9	38-120	7.62	30	
Fluorene	2.13	0.10	ug/L	3.00	ND	71.1	41-120	7.66	30	
Phenanthrene	2.23	0.10	ug/L	3.00	ND	74.3	49-120	4.37	30	
Anthracene	2.15	0.10	ug/L	3.00	ND	71.8	39-120	4.04	30	
Fluoranthene	2.37	0.10	ug/L	3.00	ND	78.9	48-120	4.44	30	
Pyrene	2.35	0.10	ug/L	3.00	ND	78.4	48-120	2.68	30	
Benzo(a)anthracene	2.34	0.10	ug/L	3.00	ND	78.0	37-120	4.64	30	
Chrysene	2.39	0.10	ug/L	3.00	ND	79.5	48-120	5.74	30	
Benzo(b)fluoranthene	2.69	0.10	ug/L	3.00	ND	89.7	38-128	3.79	30	
Benzo(k)fluoranthene	2.89	0.10	ug/L	3.00	ND	96.4	36-130	4.24	30	
Benzo(j)fluoranthene	1.95	0.10	ug/L	3.00	ND	65.2	49-120	4.58	30	
Benzofluoranthenes, Total	7.48	0.20	ug/L	9.00	ND	83.1	46-120	4.01	30	
Benzo(a)pyrene	2.31	0.10	ug/L	3.00	ND	76.9	25-120	1.42	30	
Indeno(1,2,3-cd)pyrene	2.72	0.10	ug/L	3.00	ND	90.6	32-120	4.02	30	
Dibenzo(a,h)anthracene	2.86	0.10	ug/L	3.00	ND	95.3	21-120	4.07	30	
Benzo(g,h,i)perylene	2.77	0.10	ug/L	3.00	ND	92.3	28-120	4.12	30	
Surrogate: 2-Methylnaphthalene-d10	1.78		ug/L	*3.00*	*1.98*	*59.3*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.22		ug/L	*3.00*	*2.07*	*73.8*	*10-125*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Analysis by: Analytical Resources, LLC

Petroleum Hydrocarbons - Quality Control

Batch BKC0479 - EPA 3510C SepF

Instrument: FID3 Analyst: JGR

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0479-BLK1)				Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 14:28						
Diesel Range Organics (C12-C24)	ND	0.100	mg/L							U
Motor Oil Range Organics (C24-C38)	ND	0.200	mg/L							U
Surrogate: o-Terphenyl	0.178		mg/L	*0.225*		*79.2*	*50-150*			
LCS (BKC0479-BS1)				Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 14:49						
Diesel Range Organics (C12-C24)	2.39	0.100	mg/L	3.00		79.7	56-120			
Surrogate: o-Terphenyl	0.187		mg/L	*0.225*		*82.9*	*50-150*			
Matrix Spike (BKC0479-MS1)	**Source: 22C0302-02**			Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 17:17						
Diesel Range Organics (C12-C24)	2.40	0.100	mg/L	3.00	ND	80.0	56-120			
Surrogate: o-Terphenyl	0.187		mg/L	*0.225*	*0.180*	*83.0*	*50-150*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike Dup (BKC0479-MSD1)	**Source: 22C0302-02**			Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 17:39						
Diesel Range Organics (C12-C24)	2.38	0.100	mg/L	3.00	ND	79.2	56-120	0.94	30	
Surrogate: o-Terphenyl	0.185		mg/L	*0.225*	*0.180*	*82.0*	*50-150*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
Chloromethane	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,WADOE
Bromomethane	DoD-ELAP,ADEC,NELAP,WADOE
Chloroethane	DoD-ELAP,ADEC,NELAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,WADOE
Acrolein	DoD-ELAP,NELAP,WADOE
1,1,2-Trichloro-1,2,2-Trifluoroethane	DoD-ELAP,ADEC,NELAP,WADOE
Acetone	DoD-ELAP,ADEC,NELAP,WADOE
1,1-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Iodomethane	DoD-ELAP,NELAP,WADOE
Methylene Chloride	DoD-ELAP,ADEC,NELAP,WADOE
Acrylonitrile	DoD-ELAP,NELAP,WADOE
Carbon Disulfide	DoD-ELAP,NELAP,WADOE
trans-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Acetate	DoD-ELAP,NELAP,WADOE
1,1-Dichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
2-Butanone	DoD-ELAP,NELAP,WADOE
2,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
cis-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Chloroform	DoD-ELAP,ADEC,NELAP,WADOE
Bromochloromethane	DoD-ELAP,ADEC,NELAP,WADOE
1,1,1-Trichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,1-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE
Carbon tetrachloride	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
Benzene	DoD-ELAP,ADEC,NELAP,WADOE
Trichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
Bromodichloromethane	DoD-ELAP,ADEC,NELAP,WADOE
Dibromomethane	DoD-ELAP,ADEC,NELAP,WADOE
2-Chloroethyl vinyl ether	DoD-ELAP,ADEC,NELAP,WADOE
4-Methyl-2-Pentanone	DoD-ELAP,NELAP,WADOE
cis-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE
Toluene	DoD-ELAP,ADEC,NELAP,WADOE
trans-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

2-Hexanone	DoD-ELAP,NELAP,WADOE
1,1,2-Trichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,3-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
Tetrachloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Dibromochloromethane	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dibromoethane	DoD-ELAP,NELAP,WADOE
Chlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Ethylbenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,1,1,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,WADOE
m,p-Xylene	DoD-ELAP,ADEC,NELAP,WADOE
o-Xylene	DoD-ELAP,ADEC,NELAP,WADOE
Styrene	DoD-ELAP,NELAP,WADOE
Bromoform	DoD-ELAP,NELAP,WADOE
1,1,2,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,2,3-Trichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
trans-1,4-Dichloro 2-Butene	DoD-ELAP,ADEC,NELAP,WADOE
n-Propylbenzene	DoD-ELAP,NELAP,WADOE
Bromobenzene	DoD-ELAP,NELAP,WADOE
Isopropyl Benzene	DoD-ELAP,NELAP,WADOE
2-Chlorotoluene	DoD-ELAP,ADEC,NELAP,WADOE
4-Chlorotoluene	DoD-ELAP,ADEC,NELAP,WADOE
t-Butylbenzene	DoD-ELAP,NELAP,WADOE
1,3,5-Trimethylbenzene	DoD-ELAP,NELAP,WADOE
1,2,4-Trimethylbenzene	DoD-ELAP,NELAP,WADOE
s-Butylbenzene	DoD-ELAP,NELAP,WADOE
4-Isopropyl Toluene	DoD-ELAP,NELAP,WADOE
1,3-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,4-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
n-Butylbenzene	DoD-ELAP,NELAP,WADOE
1,2-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dibromo-3-chloropropane	DoD-ELAP,ADEC,NELAP,WADOE
1,2,4-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Hexachloro-1,3-Butadiene	DoD-ELAP,ADEC,NELAP,WADOE
Naphthalene	DoD-ELAP,ADEC,NELAP,WADOE
1,2,3-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Dichlorodifluoromethane	DoD-ELAP,ADEC,NELAP,WADOE
Methyl tert-butyl Ether	DoD-ELAP,ADEC,NELAP,WADOE
n-Hexane	WADOE
2-Pentanone	WADOE

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

EPA 8270E-SIM in Water

Naphthalene	DoD-ELAP
2-Methylnaphthalene	DoD-ELAP
1-Methylnaphthalene	DoD-ELAP
2-Chloronaphthalene	DoD-ELAP
Biphenyl	DoD-ELAP
2,6-Dimethylnaphthalene	DoD-ELAP
Acenaphthylene	DoD-ELAP
Acenaphthene	DoD-ELAP
Dibenzofuran	DoD-ELAP
2,3,5-Trimethylnaphthalene	DoD-ELAP
Fluorene	DoD-ELAP
Dibenzothiophene	DoD-ELAP
Phenanthrene	DoD-ELAP
Anthracene	DoD-ELAP
Carbazole	DoD-ELAP
1-Methylphenanthrene	DoD-ELAP
Fluoranthene	DoD-ELAP
Pyrene	DoD-ELAP
Benzo(a)anthracene	DoD-ELAP
Chrysene	DoD-ELAP
Benzo(b)fluoranthene	DoD-ELAP
Benzo(k)fluoranthene	DoD-ELAP
Benzo(j)fluoranthene	DoD-ELAP
Benzofluoranthenes, Total	DoD-ELAP
Benzo(e)pyrene	DoD-ELAP
Benzo(a)pyrene	DoD-ELAP
Perylene	DoD-ELAP
Indeno(1,2,3-cd)pyrene	DoD-ELAP
Dibenzo(a,h)anthracene	DoD-ELAP
Benzo(g,h,i)perylene	DoD-ELAP
Benzo(b)thiophene	DoD-ELAP

NWTPH-Dx in Water

Diesel Range Organics (C12-C24)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C25)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (Tol-C18)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C24)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C28)	DoD-ELAP,NELAP,WADOE

Pacific Groundwater Group	Project: Birds Eye	
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Diesel Range Organics (C12-C22)	DoD-ELAP
Diesel Range Organics (C12-C25)	DoD-ELAP
Motor Oil Range Organics (C24-C38)	DoD-ELAP,NELAP,WADOE
Motor Oil Range Organics (C25-C36)	DoD-ELAP,NELAP,WADOE
Motor Oil Range Organics (C24-C40)	DoD-ELAP,NELAP,WADOE
Residual Range Organics (C23-C32)	DoD-ELAP
Mineral Spirits Range Organics (Tol-C12)	DoD-ELAP,NELAP,WADOE
Mineral Oil Range Organics (C16-C28)	DoD-ELAP,NELAP,WADOE
Kerosene Range Organics (Tol-C18)	DoD-ELAP,NELAP,WADOE
JP8 Range Organics (C8-C18)	DoD-ELAP,NELAP,WADOE
JP5 Range Organics (C10-C16)	DoD-ELAP,NELAP,WADOE
JP4 Range Organics (Tol-C14)	DoD-ELAP,NELAP,WADOE
Jet-A Range Organics (C10-C18)	DoD-ELAP,NELAP,WADOE
Creosote Range Organics (C12-C22)	DoD-ELAP,NELAP,WADOE
Bunker C Range Organics (C10-C38)	DoD-ELAP,NELAP,WADOE
Stoddard Range Organics (C8-C12)	DoD-ELAP,NELAP,WADOE
Transformer Oil Range Organics (C12-C28)	DoD-ELAP,NELAP,WADOE

NWTPHg in Water

Gasoline Range Organics (Tol-Nap)	WADOE,DoD-ELAP
Gasoline Range Organics (2MP-TMB)	WADOE,DoD-ELAP
Gasoline Range Organics (Tol-C12)	WADOE,DoD-ELAP
Gasoline Range Organics (C6-C10)	WADOE,ADEC,DoD-ELAP
Gasoline Range Organics (C5-C12)	WADOE,DoD-ELAP

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2023
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2022
WADOE	WA Dept of Ecology	C558	06/30/2022
WA-DW	Ecology - Drinking Water	C558	06/30/2022

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:33

Notes and Definitions

*	Flagged value is not within established control limits.
D	The reported value is from a dilution
H	Hold time violation - Hold time was exceeded.
M	Estimated value for a GC/MS analyte detected and confirmed by an analyst but with low spectral match parameters.
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.

Analytical Resources, LLC
Analytical Chemists and Consultants

02 April 2022

Inger Jackson
Pacific Groundwater Group
2377 Eastlake Ave. E. Suite 200
Seattle, WA 98102

RE: Birds Eye (Birds Eye/518300040-001)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
22C0308	N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Kelly Bottem, Client Services Manager

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.

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006-012

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 22C0308	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: Mott MacDonald (PGG)	Phone: 206 979 4566	Date: 3/17/22	Ice Present?
Client Contact: Inger Jackson		No. of Coolers:	Cooler Temps:
Client Project Name: Birds Eye			
Client Project #: 518300040-001	Samplers: I. Jackson / S. Pierce.		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: BTEX + G	NWTPH-Dx silica gel	PAH SIM						Notes/Comments
MW-9S	3/16/22	1400	GW	7	3	2	2						
MW-9D	3/16/22	1640		7	3	2	2						
MW-13S	3/17/22	1020		7	3	2	2						
MW-13D	3/17/22	1040		7	3	2	2						
MW-14S	3/17/22	1300		7	3	2	2						
MW-14D	3/17/22	1340		7	3	2	2						

Comments/Special Instructions: EDD in "PGG" format + Extra EDD in EIM format	Relinquished by: (Signature) Shelly Pierce	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: SHELDON PIERCE	Printed Name: Isabelle Meesey	Printed Name:	Printed Name:
	Company: MOTT MACDONALD	Company: ARI	Company:	Company:
	Date & Time: 3/17/22 1600	Date & Time: 3/17/22 1600	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9S	22C0308-01	Water	16-Mar-2022 14:00	17-Mar-2022 16:00
MW-9D	22C0308-02	Water	16-Mar-2022 16:40	17-Mar-2022 16:00
MW-13S	22C0308-03	Water	17-Mar-2022 10:20	17-Mar-2022 16:00
MW-13D	22C0308-04	Water	17-Mar-2022 10:40	17-Mar-2022 16:00
MW-14S	22C0308-05	Water	17-Mar-2022 13:00	17-Mar-2022 16:00
MW-14D	22C0308-06	Water	17-Mar-2022 13:40	17-Mar-2022 16:00

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Work Order Case Narrative

Volatiles - EPA Method SW8260D

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

Gasoline by NWTPH-g (GC/MS)

The sample(s) were analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike and blank spike duplicate (BS/LCS and BSD/LCSD) spike recoveries and relative percent difference (RPD) were within control limits.

Polynuclear Aromatic Hydrocarbons (PAH) - EPA Method SW8270E-SIM

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

The blank spike (BS/LCS) percent recoveries were within control limits.

Diesel/Heavy Oil Range Organics - WA-Ecology Method NW-TPHDx

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: PGG Project Name: Bird's Eye

COC No(s): _____ NA Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: 22C0308 Tracking No: _____ NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)

Time 16:00 Cr8 11.5 ___ ___ ___ ___

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 30097708

Cooler Accepted by: LB Date: 3/17/22 Time: 16:00

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	NO
What kind of packing material was used? Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: Box			
Was sufficient ice used (if appropriate)?	NA	YES	NO
How were bottles sealed in plastic bags?	Individually	Grouped	Not
Did all bottles arrive in good condition (unbroken)?		YES	NO
Were all bottle labels complete and legible?		YES	NO
Did the number of containers listed on COC match with the number of containers received?		YES	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		YES	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	NA	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	NO
Was sufficient amount of sample sent in each bottle?		YES	NO
Date VOC Trip Blank was made at ARI	NA		

Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: JSm Date: 03/18/22 Time: 1136 Labels checked by: JSm

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: Date:

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

ARI Work Order: 22C0308

Cooler#: 1 **Temperature(°C):** 6.8

Sample ID	Bottle Count	Bottle Type
~~Samples recieved above 6°C~~		
MW-9S	7	All containers
MW-9D	7	"
MW-13S	7	"
MW-13D	7	"

3/18/22

Cooler#: 2 **Temperature(°C):** 11.5

Sample ID	Bottle Count	Bottle Type
~~Samples recieved above 6°C~~		
MW-14S	7	All containers
MW-14D	7	"

3/18/22

Cooler#: **Temperature(°C):**

Sample ID	Bottle Count	Bottle Type

Cooler#: **Temperature(°C):**

Sample ID	Bottle Count	Bottle Type

Completed by: _____ Date: 3/17/22 Time: 1600

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9S

22C0308-01 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 14:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 17:07

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-01 F
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*103*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.7*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*103*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9S

22C0308-01 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 14:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 17:07

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-01 F
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*103*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.7*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9S

22C0308-01 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/16/2022 14:00
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 12:55

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-01 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*58.3*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*85.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9S

22C0308-01 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/16/2022 14:00
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 19:04

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-01 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-01 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-01 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*80.8*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9D

22C0308-02 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/16/2022 16:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 13:46

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-02 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*105*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*99.9*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.4*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*100*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9D

22C0308-02 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/16/2022 16:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 13:46

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-02 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*99.9*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9D

22C0308-02 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/16/2022 16:40
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 13:24

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-02 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*54.1*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*78.1*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-9D

22C0308-02 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/16/2022 16:40
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 19:25

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-02 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-02 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-02 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*80.1*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13S

22C0308-03 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/17/2022 10:20
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 14:11

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-03 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.4*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*99.7*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13S

22C0308-03 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/17/2022 10:20
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 14:11

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-03 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13S

22C0308-03 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/17/2022 10:20
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 15:51

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-03 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*48.2*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*76.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13S

22C0308-03 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/17/2022 10:20
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 19:46

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-03 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-03 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-03 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*80.0*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13D

22C0308-04 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/17/2022 10:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 14:36

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-04 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*101*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*100*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.6*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*102*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13D

22C0308-04 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/17/2022 10:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 14:36

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-04 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*100*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.6*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13D

22C0308-04 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/17/2022 10:40
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 16:20

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-04 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*61.8*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*83.9*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-13D

22C0308-04 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/17/2022 10:40
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 20:07

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-04 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-04 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-04 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*79.0*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14S

22C0308-05 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/17/2022 13:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:01

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-05 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*102*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.8*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*99.1*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14S

22C0308-05 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/17/2022 13:00
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:01

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-05 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*99.8*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14S

22C0308-05 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/17/2022 13:00
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 14:52

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-05 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*58.4*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*83.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14S

22C0308-05 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/17/2022 13:00
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 20:29

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-05 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-05 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-05 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*80.8*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14D

22C0308-06 (Water)

Volatile Organic Compounds

Method: EPA 8260D — Sampled: 03/17/2022 13:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:26

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-06 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Benzene	71-43-2	1	0.20	ND	ug/L	U
Toluene	108-88-3	1	0.20	ND	ug/L	U
Ethylbenzene	100-41-4	1	0.20	ND	ug/L	U
m,p-Xylene	179601-23-1	1	0.40	ND	ug/L	U
o-Xylene	95-47-6	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*104*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*104*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*102*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14D

22C0308-06 (Water)

Volatile Organic Compounds

Method: NWTPHg — Sampled: 03/17/2022 13:40
Instrument: NT3 Analyst: PKC — Analyzed: 03/21/2022 15:26

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 5030C (Purge and Trap) — Extract ID: 22C0308-06 E
Preparation Batch: BKC0492 — Sample Size: 10 mL
Prepared: 03/21/2022 — Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Gasoline Range Organics (Tol-Nap)	GRO	1	100	ND	ug/L	U
Surrogate: Toluene-d8			*80-120 %*	*104*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*102*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14D

22C0308-06 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 03/17/2022 13:40
Instrument: NT12 Analyst: JZ — Analyzed: 03/29/2022 15:21

Analysis by: Analytical Resources, LLC

Sample Preparation: Preparation Method: EPA 3520C (Liq Liq) — Extract ID: 22C0308-06 C 01
Preparation Batch: BKC0486 — Sample Size: 500 mL
Prepared: 03/22/2022 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Naphthalene	91-20-3	1	0.10	ND	ug/L	U
2-Methylnaphthalene	91-57-6	1	0.10	ND	ug/L	U
1-Methylnaphthalene	90-12-0	1	0.10	ND	ug/L	U
Acenaphthylene	208-96-8	1	0.10	ND	ug/L	U
Acenaphthene	83-32-9	1	0.10	ND	ug/L	U
Dibenzofuran	132-64-9	1	0.10	ND	ug/L	U
Fluorene	86-73-7	1	0.10	ND	ug/L	U
Phenanthrene	85-01-8	1	0.10	ND	ug/L	U
Anthracene	120-12-7	1	0.10	ND	ug/L	U
Fluoranthene	206-44-0	1	0.10	ND	ug/L	U
Pyrene	129-00-0	1	0.10	ND	ug/L	U
Benzo(a)anthracene	56-55-3	1	0.10	ND	ug/L	U
Chrysene	218-01-9	1	0.10	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.10	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.10	ND	ug/L	U
Benzo(j)fluoranthene	205-82-3	1	0.10	ND	ug/L	U
Benzofluoranthenes, Total		1	0.20	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.10	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.10	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.10	ND	ug/L	U
Benzo(g,h,i)perylene	191-24-2	1	0.10	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10			*31-120 %*	*55.9*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14			*10-125 %*	*82.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

MW-14D

22C0308-06 (Water)

Petroleum Hydrocarbons

Method: NWTPH-Dx — Sampled: 03/17/2022 13:40
Instrument: FID3 Analyst: JGR — Analyzed: 04/01/2022 20:50

Analysis by: Analytical Resources, LLC

Sample Preparation:	Preparation Method: EPA 3510C SepF		Extract ID: 22C0308-06 A 01
	Preparation Batch: BKC0479	Sample Size: 500 mL	
	Prepared: 03/22/2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Silica Gel		Extract ID: 22C0308-06 A 01
	Cleanup Batch: CKD0003	Initial Volume: 1 mL	
	Cleaned: 01-Apr-2022	Final Volume: 1 mL	
Sample Cleanup:	Cleanup Method: Sulfuric Acid		Extract ID:22C0308-06 A 01
	Cleanup Batch: CKD0002	Initial Volume: 1 uL	
	Cleaned: 01-Apr-2022	Final Volume: 1 uL	

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Diesel Range Organics (C12-C24)	DRO	1	0.100	ND	mg/L	U
Motor Oil Range Organics (C24-C38)	RRO	1	0.200	ND	mg/L	U
Surrogate: o-Terphenyl			*50-150 %*	*81.4*	*%*	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BKC0492 - EPA 5030C (Purge and Trap)

Instrument: NT3 Analyst: PKC

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0492-BLK1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 10:49					
Gasoline Range Organics (Tol-Nap)	ND	100	ug/L							U
Surrogate: Toluene-d8	5.22		ug/L	*5.00*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.69		ug/L	*5.00*		*93.9*	*80-120*			
Blank (BKC0492-BLK2)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 10:49					
Benzene	ND	0.20	ug/L							U
Toluene	ND	0.20	ug/L							U
Ethylbenzene	ND	0.20	ug/L							U
m,p-Xylene	ND	0.40	ug/L							U
o-Xylene	ND	0.20	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	5.34		ug/L	*5.00*		*107*	*80-129*			
Surrogate: Toluene-d8	5.22		ug/L	*5.00*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.69		ug/L	*5.00*		*93.9*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.97		ug/L	*5.00*		*99.4*	*80-120*			
LCS (BKC0492-BS1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 08:42					
Gasoline Range Organics (Tol-Nap)	973	100	ug/L	1000		97.3	72-128			
Surrogate: Toluene-d8	5.11		ug/L	*5.00*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.99		ug/L	*5.00*		*99.7*	*80-120*			
LCS (BKC0492-BS2)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 09:08					
Benzene	10.5	0.20	ug/L	10.0		105	80-120			
Toluene	10.0	0.20	ug/L	10.0		100	80-120			
Ethylbenzene	9.64	0.20	ug/L	10.0		96.4	80-120			
m,p-Xylene	19.9	0.40	ug/L	20.0		99.7	80-121			
o-Xylene	9.66	0.20	ug/L	10.0		96.6	80-121			
Surrogate: 1,2-Dichloroethane-d4	5.37		ug/L	*5.00*		*107*	*80-129*			
Surrogate: Toluene-d8	5.04		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.99		ug/L	*5.00*		*99.7*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	5.11		ug/L	*5.00*		*102*	*80-120*			
LCS Dup (BKC0492-BSD1)				Prepared: 21-Mar-2022	Analyzed: 21-Mar-2022 09:33					
Gasoline Range Organics (Tol-Nap)	987	100	ug/L	1000		98.7	72-128	1.47	30	
Surrogate: Toluene-d8	5.14		ug/L	*5.00*		*103*	*80-120*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Volatile Organic Compounds - Quality Control

Batch BKC0492 - EPA 5030C (Purge and Trap)

Instrument: NT3 Analyst: PKC

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BKC0492-BSD1)				Prepared: 21-Mar-2022 Analyzed: 21-Mar-2022 09:33						
Surrogate: 4-Bromofluorobenzene	4.97		ug/L	*5.00*		*99.5*	*80-120*			
LCS Dup (BKC0492-BSD2)				Prepared: 21-Mar-2022 Analyzed: 21-Mar-2022 09:59						
Benzene	11.4	0.20	ug/L	10.0		114	80-120	7.95	30	
Toluene	11.0	0.20	ug/L	10.0		110	80-120	9.09	30	
Ethylbenzene	10.6	0.20	ug/L	10.0		106	80-120	9.25	30	
m,p-Xylene	21.2	0.40	ug/L	20.0		106	80-121	6.36	30	
o-Xylene	10.4	0.20	ug/L	10.0		104	80-121	7.88	30	
Surrogate: 1,2-Dichloroethane-d4	5.13		ug/L	*5.00*		*103*	*80-129*			
Surrogate: Toluene-d8	5.05		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	5.04		ug/L	*5.00*		*101*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	5.04		ug/L	*5.00*		*101*	*80-120*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0486-BLK1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 16:57						
Naphthalene	ND	0.10	ug/L							U
2-Methylnaphthalene	ND	0.10	ug/L							U
1-Methylnaphthalene	ND	0.10	ug/L							U
Acenaphthylene	ND	0.10	ug/L							U
Acenaphthene	ND	0.10	ug/L							U
Dibenzofuran	ND	0.10	ug/L							U
Fluorene	ND	0.10	ug/L							U
Phenanthrene	ND	0.10	ug/L							U
Anthracene	ND	0.10	ug/L							U
Fluoranthene	ND	0.10	ug/L							U
Pyrene	ND	0.10	ug/L							U
Benzo(a)anthracene	ND	0.10	ug/L							U
Chrysene	ND	0.10	ug/L							U
Benzo(b)fluoranthene	ND	0.10	ug/L							U
Benzo(k)fluoranthene	ND	0.10	ug/L							U
Benzo(j)fluoranthene	ND	0.10	ug/L							U
Benzofluoranthenes, Total	ND	0.20	ug/L							U
Benzo(a)pyrene	ND	0.10	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L							U
Dibenzo(a,h)anthracene	ND	0.10	ug/L							U
Benzo(g,h,i)perylene	ND	0.10	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	1.72		ug/L	*3.00*		*57.5*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	1.92		ug/L	*3.00*		*64.1*	*10-125*			
LCS (BKC0486-BS1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:24						
Naphthalene	1.58	0.10	ug/L	3.00		52.6	33-120			
2-Methylnaphthalene	1.67	0.10	ug/L	3.00		55.5	29-120			
1-Methylnaphthalene	1.69	0.10	ug/L	3.00		56.2	37-120			
Acenaphthylene	1.42	0.10	ug/L	3.00		47.3	32-120			
Acenaphthene	1.72	0.10	ug/L	3.00		57.2	38-120			
Dibenzofuran	1.72	0.10	ug/L	3.00		57.3	38-120			
Fluorene	1.83	0.10	ug/L	3.00		60.9	41-120			
Phenanthrene	1.96	0.10	ug/L	3.00		65.3	49-120			
Anthracene	1.82	0.10	ug/L	3.00		60.6	39-120			
Fluoranthene	2.21	0.10	ug/L	3.00		73.7	48-120			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BKC0486-BS1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:24						
Pyrene	2.23	0.10	ug/L	3.00		74.4	48-120			
Benzo(a)anthracene	2.15	0.10	ug/L	3.00		71.6	37-120			
Chrysene	2.26	0.10	ug/L	3.00		75.2	48-120			
Benzo(b)fluoranthene	2.56	0.10	ug/L	3.00		85.2	38-128			
Benzo(k)fluoranthene	2.66	0.10	ug/L	3.00		88.6	36-130			
Benzo(j)fluoranthene	1.84	0.10	ug/L	3.00		61.5	49-120			
Benzofluoranthenes, Total	7.01	0.20	ug/L	9.00		77.8	46-120			
Benzo(a)pyrene	2.09	0.10	ug/L	3.00		69.5	25-120			
Indeno(1,2,3-cd)pyrene	2.43	0.10	ug/L	3.00		81.0	32-120			
Dibenzo(a,h)anthracene	2.51	0.10	ug/L	3.00		83.7	21-120			
Benzo(g,h,i)perylene	2.42	0.10	ug/L	3.00		80.6	28-120			
Surrogate: 2-Methylnaphthalene-d10	1.61		ug/L	*3.00*		*53.8*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.13		ug/L	*3.00*		*70.9*	*10-125*			
LCS Dup (BKC0486-BSD1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:51						
Naphthalene	1.71	0.10	ug/L	3.00		56.8	33-120	7.74	30	
2-Methylnaphthalene	1.82	0.10	ug/L	3.00		60.7	29-120	8.91	30	
1-Methylnaphthalene	1.85	0.10	ug/L	3.00		61.7	37-120	9.41	30	
Acenaphthylene	1.57	0.10	ug/L	3.00		52.2	32-120	10.00	30	
Acenaphthene	1.83	0.10	ug/L	3.00		61.0	38-120	6.49	30	
Dibenzofuran	1.86	0.10	ug/L	3.00		61.9	38-120	7.77	30	
Fluorene	1.97	0.10	ug/L	3.00		65.6	41-120	7.35	30	
Phenanthrene	2.08	0.10	ug/L	3.00		69.4	49-120	6.23	30	
Anthracene	1.99	0.10	ug/L	3.00		66.3	39-120	8.94	30	
Fluoranthene	2.28	0.10	ug/L	3.00		76.1	48-120	3.24	30	
Pyrene	2.22	0.10	ug/L	3.00		74.1	48-120	0.32	30	
Benzo(a)anthracene	2.15	0.10	ug/L	3.00		71.5	37-120	0.05	30	
Chrysene	2.25	0.10	ug/L	3.00		75.1	48-120	0.16	30	
Benzo(b)fluoranthene	2.70	0.10	ug/L	3.00		89.9	38-128	5.33	30	
Benzo(k)fluoranthene	2.77	0.10	ug/L	3.00		92.2	36-130	4.01	30	
Benzo(j)fluoranthene	1.88	0.10	ug/L	3.00		62.8	49-120	2.11	30	
Benzofluoranthenes, Total	7.16	0.20	ug/L	9.00		79.5	46-120	2.16	30	
Benzo(a)pyrene	2.09	0.10	ug/L	3.00		69.7	25-120	0.23	30	
Indeno(1,2,3-cd)pyrene	2.54	0.10	ug/L	3.00		84.8	32-120	4.54	30	
Dibenzo(a,h)anthracene	2.63	0.10	ug/L	3.00		87.7	21-120	4.70	30	

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BKC0486 - EPA 3520C (Liq Liq)

Instrument: NT8 Analyst: JZ

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BKC0486-BSD1)				Prepared: 21-Mar-2022 Analyzed: 25-Mar-2022 17:51						
Benzo(g,h,i)perylene	2.55	0.10	ug/L	3.00		85.1	28-120	5.35	30	
Surrogate: 2-Methylnaphthalene-d10	1.68		ug/L	*3.00*		*55.9*	*31-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	2.10		ug/L	*3.00*		*70.1*	*10-125*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Analysis by: Analytical Resources, LLC

Petroleum Hydrocarbons - Quality Control

Batch BKC0479 - EPA 3510C SepF

Instrument: FID3 Analyst: JGR

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BKC0479-BLK1)				Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 14:28						
Diesel Range Organics (C12-C24)	ND	0.100	mg/L							U
Motor Oil Range Organics (C24-C38)	ND	0.200	mg/L							U
Surrogate: o-Terphenyl	0.178		mg/L	*0.225*		*79.2*	*50-150*			
LCS (BKC0479-BS1)				Prepared: 22-Mar-2022 Analyzed: 01-Apr-2022 14:49						
Diesel Range Organics (C12-C24)	2.39	0.100	mg/L	3.00		79.7	56-120			
Surrogate: o-Terphenyl	0.187		mg/L	*0.225*		*82.9*	*50-150*			

Pacific Groundwater Group	Project: Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number: Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
Chloromethane	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,WADOE
Bromomethane	DoD-ELAP,ADEC,NELAP,WADOE
Chloroethane	DoD-ELAP,ADEC,NELAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,WADOE
Acrolein	DoD-ELAP,NELAP,WADOE
1,1,2-Trichloro-1,2,2-Trifluoroethane	DoD-ELAP,ADEC,NELAP,WADOE
Acetone	DoD-ELAP,ADEC,NELAP,WADOE
1,1-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Iodomethane	DoD-ELAP,NELAP,WADOE
Methylene Chloride	DoD-ELAP,ADEC,NELAP,WADOE
Acrylonitrile	DoD-ELAP,NELAP,WADOE
Carbon Disulfide	DoD-ELAP,NELAP,WADOE
trans-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Vinyl Acetate	DoD-ELAP,NELAP,WADOE
1,1-Dichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
2-Butanone	DoD-ELAP,NELAP,WADOE
2,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
cis-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Chloroform	DoD-ELAP,ADEC,NELAP,WADOE
Bromochloromethane	DoD-ELAP,ADEC,NELAP,WADOE
1,1,1-Trichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,1-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE
Carbon tetrachloride	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
Benzene	DoD-ELAP,ADEC,NELAP,WADOE
Trichloroethene	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
Bromodichloromethane	DoD-ELAP,ADEC,NELAP,WADOE
Dibromomethane	DoD-ELAP,ADEC,NELAP,WADOE
2-Chloroethyl vinyl ether	DoD-ELAP,ADEC,NELAP,WADOE
4-Methyl-2-Pentanone	DoD-ELAP,NELAP,WADOE
cis-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE
Toluene	DoD-ELAP,ADEC,NELAP,WADOE
trans-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,WADOE

Pacific Groundwater Group	Project: Birds Eye	
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Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

2-Hexanone	DoD-ELAP,NELAP,WADOE
1,1,2-Trichloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,3-Dichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
Tetrachloroethene	DoD-ELAP,ADEC,NELAP,WADOE
Dibromochloromethane	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dibromoethane	DoD-ELAP,NELAP,WADOE
Chlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Ethylbenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,1,1,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,WADOE
m,p-Xylene	DoD-ELAP,ADEC,NELAP,WADOE
o-Xylene	DoD-ELAP,ADEC,NELAP,WADOE
Styrene	DoD-ELAP,NELAP,WADOE
Bromoform	DoD-ELAP,NELAP,WADOE
1,1,2,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,WADOE
1,2,3-Trichloropropane	DoD-ELAP,ADEC,NELAP,WADOE
trans-1,4-Dichloro 2-Butene	DoD-ELAP,ADEC,NELAP,WADOE
n-Propylbenzene	DoD-ELAP,NELAP,WADOE
Bromobenzene	DoD-ELAP,NELAP,WADOE
Isopropyl Benzene	DoD-ELAP,NELAP,WADOE
2-Chlorotoluene	DoD-ELAP,ADEC,NELAP,WADOE
4-Chlorotoluene	DoD-ELAP,ADEC,NELAP,WADOE
t-Butylbenzene	DoD-ELAP,NELAP,WADOE
1,3,5-Trimethylbenzene	DoD-ELAP,NELAP,WADOE
1,2,4-Trimethylbenzene	DoD-ELAP,NELAP,WADOE
s-Butylbenzene	DoD-ELAP,NELAP,WADOE
4-Isopropyl Toluene	DoD-ELAP,NELAP,WADOE
1,3-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,4-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
n-Butylbenzene	DoD-ELAP,NELAP,WADOE
1,2-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
1,2-Dibromo-3-chloropropane	DoD-ELAP,ADEC,NELAP,WADOE
1,2,4-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Hexachloro-1,3-Butadiene	DoD-ELAP,ADEC,NELAP,WADOE
Naphthalene	DoD-ELAP,ADEC,NELAP,WADOE
1,2,3-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,WADOE
Dichlorodifluoromethane	DoD-ELAP,ADEC,NELAP,WADOE
Methyl tert-butyl Ether	DoD-ELAP,ADEC,NELAP,WADOE
n-Hexane	WADOE
2-Pentanone	WADOE

Pacific Groundwater Group	Project: Birds Eye	
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Seattle WA, 98102	Project Manager: Inger Jackson	02-Apr-2022 14:50

EPA 8270E-SIM in Water

Naphthalene	DoD-ELAP
2-Methylnaphthalene	DoD-ELAP
1-Methylnaphthalene	DoD-ELAP
2-Chloronaphthalene	DoD-ELAP
Biphenyl	DoD-ELAP
2,6-Dimethylnaphthalene	DoD-ELAP
Acenaphthylene	DoD-ELAP
Acenaphthene	DoD-ELAP
Dibenzofuran	DoD-ELAP
2,3,5-Trimethylnaphthalene	DoD-ELAP
Fluorene	DoD-ELAP
Dibenzothiophene	DoD-ELAP
Phenanthrene	DoD-ELAP
Anthracene	DoD-ELAP
Carbazole	DoD-ELAP
1-Methylphenanthrene	DoD-ELAP
Fluoranthene	DoD-ELAP
Pyrene	DoD-ELAP
Benzo(a)anthracene	DoD-ELAP
Chrysene	DoD-ELAP
Benzo(b)fluoranthene	DoD-ELAP
Benzo(k)fluoranthene	DoD-ELAP
Benzo(j)fluoranthene	DoD-ELAP
Benzofluoranthenes, Total	DoD-ELAP
Benzo(e)pyrene	DoD-ELAP
Benzo(a)pyrene	DoD-ELAP
Perylene	DoD-ELAP
Indeno(1,2,3-cd)pyrene	DoD-ELAP
Dibenzo(a,h)anthracene	DoD-ELAP
Benzo(g,h,i)perylene	DoD-ELAP
Benzo(b)thiophene	DoD-ELAP

NWTPH-Dx in Water

Diesel Range Organics (C12-C24)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C25)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (Tol-C18)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C24)	DoD-ELAP,NELAP,WADOE
Diesel Range Organics (C10-C28)	DoD-ELAP,NELAP,WADOE

Pacific Groundwater Group	Project: Birds Eye	
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Diesel Range Organics (C12-C22)	DoD-ELAP
Diesel Range Organics (C12-C25)	DoD-ELAP
Motor Oil Range Organics (C24-C38)	DoD-ELAP,NELAP,WADOE
Motor Oil Range Organics (C25-C36)	DoD-ELAP,NELAP,WADOE
Motor Oil Range Organics (C24-C40)	DoD-ELAP,NELAP,WADOE
Residual Range Organics (C23-C32)	DoD-ELAP
Mineral Spirits Range Organics (Tol-C12)	DoD-ELAP,NELAP,WADOE
Mineral Oil Range Organics (C16-C28)	DoD-ELAP,NELAP,WADOE
Kerosene Range Organics (Tol-C18)	DoD-ELAP,NELAP,WADOE
JP8 Range Organics (C8-C18)	DoD-ELAP,NELAP,WADOE
JP5 Range Organics (C10-C16)	DoD-ELAP,NELAP,WADOE
JP4 Range Organics (Tol-C14)	DoD-ELAP,NELAP,WADOE
Jet-A Range Organics (C10-C18)	DoD-ELAP,NELAP,WADOE
Creosote Range Organics (C12-C22)	DoD-ELAP,NELAP,WADOE
Bunker C Range Organics (C10-C38)	DoD-ELAP,NELAP,WADOE
Stoddard Range Organics (C8-C12)	DoD-ELAP,NELAP,WADOE
Transformer Oil Range Organics (C12-C28)	DoD-ELAP,NELAP,WADOE

NWTPHg in Water

Gasoline Range Organics (Tol-Nap)	WADOE,DoD-ELAP
Gasoline Range Organics (2MP-TMB)	WADOE,DoD-ELAP
Gasoline Range Organics (Tol-C12)	WADOE,DoD-ELAP
Gasoline Range Organics (C6-C10)	WADOE,ADEC,DoD-ELAP
Gasoline Range Organics (C5-C12)	WADOE,DoD-ELAP

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2023
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2022
WADOE	WA Dept of Ecology	C558	06/30/2022
WA-DW	Ecology - Drinking Water	C558	06/30/2022

Pacific Groundwater Group	Project:	Birds Eye	
2377 Eastlake Ave. E. Suite 200	Project Number:	Birds Eye/518300040-001	**Reported:**
Seattle WA, 98102	Project Manager:	Inger Jackson	02-Apr-2022 14:50

Notes and Definitions

*	Flagged value is not within established control limits.
D	The reported value is from a dilution
H	Hold time violation - Hold time was exceeded.
J	Estimated concentration value detected below the reporting limit.
M	Estimated value for a GC/MS analyte detected and confirmed by an analyst but with low spectral match parameters.
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.