



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Thursday, September 9, 2021

Delaney Peterson  
Anchor QEA, LLC  
6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

RE: A0K0482 - US Moorings -- C2, C3, C4 - [none]

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

Enclosed are the results of analyses for work order A0K0482, which was received by the laboratory on 11/11/2020 at 1:30:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	4.6 degC	Cooler #2	1.0 degC
Cooler #3	0.1 degC		

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

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



Apex Laboratories

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Darwin Thomas, Business Development Director



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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> A0K0482 - 09 09 21 0654
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**ANALYTICAL REPORT FOR SAMPLES**

**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE	11/10/20 12:15	11/11/20 13:30
SC-TB-2011101216	A0K0482-06	WQ	11/10/20 12:16	11/11/20 13:30
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE	11/10/20 09:05	11/11/20 13:30

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<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> A0K0482 - 09 09 21 0654
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ANALYTICAL CASE NARRATIVE

**Work Order: A0K0482**

Amended Final Report: This report supersedes all previous reports

Dry Weight Correction - Sample USMPDI-003SC-B-00-02-201110 (Apex ID: A0K0482-07)

This report has been amended to report the dry weight corrected results for client sample USMPDI-003SC-B-00-02-201110 (Apex ID: A0K0482-07).  
The original report showed the results for this sample reported on a wet weight basis.  
All affected results for this sample have been flagged with the AMEND qualifier.

David Jack  
Apex Laboratories  
September 8, 2021

Apex Laboratories

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<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SC-TB-2011101216 (A0K0482-06)</b>				<b>Matrix: WQ</b>		<b>Batch: 0110532</b>		
Benzene	ND	0.100	0.200	ug/L	1	11/16/20 13:46	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	11/16/20 13:46	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	11/16/20 13:46	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/16/20 13:46</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/16/20 13:46</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/16/20 13:46</i>	<i>EPA 8260D</i>

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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-00-02-201110 (A0K0482-07)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>		<b>AMEND</b>	
Benzene	ND	9.78	19.6	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Toluene	ND	48.9	97.8	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Ethylbenzene	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
m,p-Xylene	ND	48.9	97.8	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
o-Xylene	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Chlorobenzene	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
1,1-Dichloroethene	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
cis-1,2-Dichloroethene	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Tetrachloroethene (PCE)	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Trichloroethene (TCE)	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
Vinyl chloride	ND	24.5	48.9	ug/kg dry	50	11/18/20 18:41	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/18/20 18:41</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/18/20 18:41</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/18/20 18:41</i>	<i>5035A/8260D</i>	
<b>USMPDI-003SC-B-02-04-201110 (A0K0482-08)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>			
Benzene	ND	7.47	14.9	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Toluene	ND	37.4	74.7	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Ethylbenzene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
m,p-Xylene	ND	37.4	74.7	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
o-Xylene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Chlorobenzene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
1,1-Dichloroethene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
cis-1,2-Dichloroethene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Tetrachloroethene (PCE)	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Trichloroethene (TCE)	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Vinyl chloride	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/18/20 19:08</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/18/20 19:08</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/18/20 19:08</i>	<i>5035A/8260D</i>	
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>			
Benzene	ND	6.88	13.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Toluene	ND	34.4	68.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	

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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>			
Ethylbenzene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
m,p-Xylene	ND	34.4	68.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
o-Xylene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Chlorobenzene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
1,1-Dichloroethene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Trichloroethene (TCE)	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Vinyl chloride	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/18/20 19:35</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/18/20 19:35</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/18/20 19:35</i>	<i>5035A/8260D</i>	

<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>			
Benzene	ND	7.02	14.0	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Toluene	ND	35.1	70.2	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Ethylbenzene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
m,p-Xylene	ND	35.1	70.2	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
o-Xylene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Chlorobenzene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
1,1-Dichloroethene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Trichloroethene (TCE)	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Vinyl chloride	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/18/20 20:02</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/18/20 20:02</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/18/20 20:02</i>	<i>5035A/8260D</i>	

<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15)</b>			<b>Matrix: SE</b>		<b>Batch: 0110632</b>			
Benzene	ND	13.6	27.1	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Toluene	ND	67.8	136	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Ethylbenzene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
m,p-Xylene	ND	67.8	136	ug/kg dry	50	11/18/20 20:29	5035A/8260D	

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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15)</b>				<b>Matrix: SE</b>		<b>Batch: 0110632</b>		
o-Xylene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Chlorobenzene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
1,1-Dichloroethene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
cis-1,2-Dichloroethene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Tetrachloroethene (PCE)	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Trichloroethene (TCE)	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Vinyl chloride	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/18/20 20:29</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/18/20 20:29</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/18/20 20:29</i>	<i>5035A/8260D</i>	

<b>USMPDI-006SC-D-02-04-201110 (A0K0482-16RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 0110717</b>		
Benzene	ND	6.90	13.8	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Toluene	ND	34.5	69.0	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Ethylbenzene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
m,p-Xylene	ND	34.5	69.0	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
o-Xylene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Chlorobenzene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
1,1-Dichloroethene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Trichloroethene (TCE)	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Vinyl chloride	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>11/20/20 00:16</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>	<i>1</i>	<i>11/20/20 00:16</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>	<i>1</i>	<i>11/20/20 00:16</i>	<i>5035A/8260D</i>	

<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 0110717</b>		
Benzene	ND	6.83	13.7	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Toluene	ND	34.2	68.3	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Ethylbenzene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
m,p-Xylene	ND	34.2	68.3	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
o-Xylene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Chlorobenzene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)</b>			<b>Matrix: SE</b>		<b>Batch: 0110717</b>			
1,1-Dichloroethene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Trichloroethene (TCE)	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Vinyl chloride	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 00:43</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>	<i>80-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 00:43</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>	<i>79-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 00:43</i>	<i>5035A/8260D</i>	

<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)</b>			<b>Matrix: SE</b>		<b>Batch: 0110717</b>			
Benzene	ND	8.03	16.1	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Toluene	ND	40.2	80.3	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Ethylbenzene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
m,p-Xylene	ND	40.2	80.3	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
o-Xylene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Chlorobenzene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
1,1-Dichloroethene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
cis-1,2-Dichloroethene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Tetrachloroethene (PCE)	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Trichloroethene (TCE)	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Vinyl chloride	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 109 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 01:10</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>	<i>80-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 01:10</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>	<i>79-120 %</i>	<i>1</i>	<i>1</i>	<i>11/20/20 01:10</i>	<i>5035A/8260D</i>	

<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)</b>			<b>Matrix: SE</b>		<b>Batch: 0110717</b>			
Benzene	ND	7.74	15.5	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Toluene	ND	38.7	77.4	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Ethylbenzene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
m,p-Xylene	ND	38.7	77.4	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
o-Xylene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Chlorobenzene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
1,1-Dichloroethene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)</b>			<b>Matrix: SE</b>		<b>Batch: 0110717</b>			
Tetrachloroethene (PCE)	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Trichloroethene (TCE)	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Vinyl chloride	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/20/20 01:37</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/20/20 01:37</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/20/20 01:37</i>	<i>5035A/8260D</i>
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)</b>			<b>Matrix: SE</b>		<b>Batch: 0110717</b>			
Benzene	ND	7.32	14.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Toluene	ND	36.6	73.2	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Ethylbenzene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
m,p-Xylene	ND	36.6	73.2	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
o-Xylene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Chlorobenzene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
1,1-Dichloroethene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
cis-1,2-Dichloroethene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Tetrachloroethene (PCE)	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Trichloroethene (TCE)	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Vinyl chloride	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/20/20 02:04</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/20/20 02:04</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/20/20 02:04</i>	<i>5035A/8260D</i>
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>			<b>Matrix: SE</b>		<b>Batch: 0110771</b>			
Benzene	ND	7.64	15.3	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Toluene	ND	38.2	76.4	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Ethylbenzene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
m,p-Xylene	ND	38.2	76.4	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
o-Xylene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Chlorobenzene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
1,1-Dichloroethene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Tetrachloroethene (PCE)	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Trichloroethene (TCE)	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>			<b>Matrix: SE</b>		<b>Batch: 0110771</b>			
Vinyl chloride	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/20/20 19:50</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/20/20 19:50</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>101 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/20/20 19:50</i>	<i>5035A/8260D</i>
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>			<b>Matrix: SE</b>		<b>Batch: 0110771</b>			<b>Q-37</b>
Benzene	ND	7.66	15.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Toluene	ND	38.3	76.6	ug/kg dry	50	11/20/20 18:56	5035A/8260D	Q-42
Ethylbenzene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
m,p-Xylene	ND	38.3	76.6	ug/kg dry	50	11/20/20 18:56	5035A/8260D	Q-42
o-Xylene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Chlorobenzene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
1,1-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Tetrachloroethene (PCE)	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Trichloroethene (TCE)	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Vinyl chloride	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 80-120 %</i>		<i>1</i>	<i>11/20/20 18:56</i>	<i>5035A/8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>1</i>	<i>11/20/20 18:56</i>	<i>5035A/8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>79-120 %</i>		<i>1</i>	<i>11/20/20 18:56</i>	<i>5035A/8260D</i>

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-01-02-201110 (A0K0482-01)</b>			<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>	
Aroclor 1016	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1221	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1232	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1242	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1248	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1254	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1260	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1262	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1268	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 09:11</i>	<i>EPA 8082A</i>
<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02)</b>			<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>	
Aroclor 1016	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1221	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1232	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1242	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1248	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1254	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1260	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1262	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1268	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 09:47</i>	<i>EPA 8082A</i>
<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>			<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>	
Aroclor 1016	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1221	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1232	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1242	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1248	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1254	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1260	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1262	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1268	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	

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Darwin Thomas, Business Development Director



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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 105 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>		<i>01/14/21 10:39</i>	<i>EPA 8082A</i>	
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1221	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1232	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1242	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1248	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1254	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1260	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1262	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1268	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>		<i>01/15/21 10:26</i>	<i>EPA 8082A</i>	
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1221	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1232	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1242	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1248	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1254	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1260	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1262	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1268	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 93 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>		<i>01/15/21 11:02</i>	<i>EPA 8082A</i>	
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1221	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1232	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1242	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1248	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1254	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1260	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1262	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1268	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 11:40</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	9.01	9.01	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1221	ND	11.1	11.1	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1232	ND	24.2	24.2	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1242	ND	13.3	13.3	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1248	ND	14.4	14.4	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
<b>Aroclor 1254</b>	<b>15.3</b>	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	<b>P-12</b>
<b>Aroclor 1260</b>	<b>9.66</b>	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	<b>P-12</b>
Aroclor 1262	ND	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1268	ND	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 12:16</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1221	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1232	ND	5.27	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1242	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1248	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
<b>Aroclor 1254</b>	<b>3.45</b>	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	<b>J</b>
Aroclor 1260	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1262	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1268	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 115 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 09:47</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1221	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1232	ND	4.49	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1242	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1248	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1254	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1260	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1262	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1268	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 10:26</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1221	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1232	ND	4.49	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1242	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1248	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1254	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1260	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1262	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1268	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 11:02</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1221	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1232	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1242	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1248	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1254	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1260	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1262	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1268	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 11:40</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1221	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1232	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1242	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1248	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1254	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1260	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1262	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1268	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 116 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 12:16</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1221	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1232	ND	5.19	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1242	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1248	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1254	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1260	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1262	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1268	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 114 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/15/21 12:53</i>	<i>EPA 8082A</i>
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1221	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1232	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1242	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1248	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1254	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1260	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1262	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1268	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 113 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/14/21 08:17</i>	<i>EPA 8082A</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>		<b>Batch: 1012827</b>		<b>C-07</b>
Aroclor 1016	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1221	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1232	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1242	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1248	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1254	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1260	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1262	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1268	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 60-125 %</i>		<i>1</i>	<i>01/14/21 10:03</i>	<i>EPA 8082A</i>

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**Apex Laboratories, LLC**

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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
<b>USMPDI-003SC-A-01-02-201110 (A0K0482-01RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>	
2,4'-DDD	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
2,4'-DDE	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
2,4'-DDT	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
4,4'-DDD	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
4,4'-DDE	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
4,4'-DDT	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 30 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 16:49</i>	<i>EPA 8081B</i>	<i>S-06</i>
<i>Decachlorobiphenyl (Surr)</i>				<i>87 %</i>		<i>55-130 %</i>	<i>1</i>	<i>01/18/21 16:49</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>	
2,4'-DDD	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
2,4'-DDE	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
2,4'-DDT	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
4,4'-DDD	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
4,4'-DDE	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
4,4'-DDT	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 17:24</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>				<i>101 %</i>		<i>55-130 %</i>	<i>1</i>	<i>01/18/21 17:24</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>	
2,4'-DDD	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
2,4'-DDE	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
2,4'-DDT	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
4,4'-DDD	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
4,4'-DDE	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
4,4'-DDT	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 17:41</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>				<i>101 %</i>		<i>55-130 %</i>	<i>1</i>	<i>01/18/21 17:41</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>	
2,4'-DDD	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B		
2,4'-DDE	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B		
2,4'-DDT	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B		
4,4'-DDD	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B		

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDT	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 19:23</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 19:23</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.25	2.49	ug/kg dry	1	01/21/21 13:52	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 13:52</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 13:52</i>	<i>EPA 8081B</i>
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
2,4'-DDE	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
2,4'-DDT	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
4,4'-DDD	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
4,4'-DDT	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 19:40</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 19:40</i>	<i>EPA 8081B</i>
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.38	2.77	ug/kg dry	1	01/21/21 14:09	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 14:09</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>97 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 14:09</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
2,4'-DDE	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
2,4'-DDT	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
4,4'-DDD	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
4,4'-DDT	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 19:57</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>88 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 19:57</i>	<i>EPA 8081B</i>
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.13	2.25	ug/kg dry	1	01/21/21 14:26	EPA 8081B	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 64 %</i>		<i>Limits: 42-129 %</i>		<i>1 01/21/21 14:26 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1 01/21/21 14:26 EPA 8081B</i>		
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	3.21	3.21	ug/kg dry	1	01/18/21 20:14	EPA 8081B	R-02
2,4'-DDE	ND	4.28	4.28	ug/kg dry	1	01/18/21 20:14	EPA 8081B	R-02
2,4'-DDT	ND	3.06	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	
<b>4,4'-DDD</b>	<b>9.37</b>	1.53	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	<b>P-11</b>
4,4'-DDT	ND	3.06	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 42-129 %</i>		<i>1 01/18/21 20:14 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>1 01/18/21 20:14 EPA 8081B</i>		
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
<b>4,4'-DDE</b>	<b>4.07</b>	1.53	3.06	ug/kg dry	1	01/21/21 14:43	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 42-129 %</i>		<i>1 01/21/21 14:43 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1 01/21/21 14:43 EPA 8081B</i>		
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
2,4'-DDE	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
2,4'-DDT	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
4,4'-DDD	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
4,4'-DDT	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 51 %</i>		<i>Limits: 42-129 %</i>		<i>1 01/18/21 20:51 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>84 %</i>		<i>55-130 %</i>		<i>1 01/18/21 20:51 EPA 8081B</i>		
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.43	2.85	ug/kg dry	1	01/21/21 15:21	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>1 01/21/21 15:21 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>1 01/21/21 15:21 EPA 8081B</i>		
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
2,4'-DDE	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDT	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
4,4'-DDD	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
4,4'-DDT	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 21:08</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 21:08</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.20	2.40	ug/kg dry	1	01/21/21 15:38	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 15:38</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>109 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 15:38</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
2,4'-DDE	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
2,4'-DDT	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
4,4'-DDD	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
4,4'-DDT	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 21:25</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 21:25</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.15	2.29	ug/kg dry	1	01/21/21 15:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 15:55</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 15:55</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
2,4'-DDE	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
2,4'-DDT	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
4,4'-DDD	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
4,4'-DDT	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 54 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 21:42</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>88 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 21:42</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
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503-718-2323

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.18	2.35	ug/kg dry	1	01/21/21 16:12	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 16:12</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 16:12</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
2,4'-DDE	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
2,4'-DDT	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
4,4'-DDD	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
4,4'-DDT	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 22:50</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>89 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 22:50</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.24	2.48	ug/kg dry	1	01/21/21 16:29	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 16:29</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 16:29</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
2,4'-DDE	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
2,4'-DDT	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
4,4'-DDD	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
4,4'-DDT	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 23:07</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 23:07</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.31	2.63	ug/kg dry	1	01/21/21 16:46	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 66 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 16:46</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 16:46</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDE	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
2,4'-DDT	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
4,4'-DDD	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
4,4'-DDT	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/18/21 23:24</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>108 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/18/21 23:24</i>	<i>EPA 8081B</i>
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.30	2.59	ug/kg dry	1	01/21/21 17:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 17:55</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 17:55</i>	<i>EPA 8081B</i>
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
2,4'-DDD	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
2,4'-DDE	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
2,4'-DDT	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
4,4'-DDD	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
4,4'-DDT	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/19/21 00:15</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/19/21 00:15</i>	<i>EPA 8081B</i>
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE2)</b>				<b>Matrix: SE</b>		<b>Batch: 1012907</b>		<b>C-05, H-08</b>
4,4'-DDE	ND	1.31	2.62	ug/kg dry	1	01/21/21 18:46	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/21/21 18:46</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/21/21 18:46</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-01-02-201110 (A0K0482-01)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	11.8	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Acenaphthylene	1.86	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	J
Anthracene	1.98	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	J
Benz(a)anthracene	5.56	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(a)pyrene	8.21	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(b)fluoranthene	7.57	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(k)fluoranthene	2.41	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	J
Benzo(g,h,i)perylene	6.93	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Chrysene	6.90	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Fluoranthene	16.3	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Fluorene	1.81	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	5.37	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
2-Methylnaphthalene	2.72	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	J
Naphthalene	7.92	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Phenanthrene	21.4	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	Q-42
Pyrene	18.6	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/05/21 22:57</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>89 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/05/21 22:57</i>	<i>EPA 8270E</i>

<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	2.18	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	J
Acenaphthylene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Anthracene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benz(a)anthracene	2.00	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	J
Benzo(a)pyrene	5.09	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(b)fluoranthene	3.80	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(k)fluoranthene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(g,h,i)perylene	4.77	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Chrysene	2.06	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	J
Dibenz(a,h)anthracene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Fluoranthene	4.89	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Fluorene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
<b>Indeno(1,2,3-cd)pyrene</b>	<b>3.83</b>	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
2-Methylnaphthalene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Naphthalene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
<b>Phenanthrene</b>	<b>6.04</b>	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
<b>Pyrene</b>	<b>6.99</b>	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 16:25</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>101 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 16:25</i>	<i>EPA 8270E</i>

<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
<b>Acenaphthene</b>	<b>2.05</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
Acenaphthylene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Anthracene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Benz(a)anthracene</b>	<b>1.56</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
<b>Benzo(a)pyrene</b>	<b>2.73</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
<b>Benzo(b)fluoranthene</b>	<b>2.36</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
Benzo(k)fluoranthene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Benzo(g,h,i)perylene</b>	<b>2.03</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
<b>Chrysene</b>	<b>1.89</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
Dibenz(a,h)anthracene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Fluoranthene</b>	<b>3.52</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Fluorene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Indeno(1,2,3-cd)pyrene</b>	<b>1.69</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	<b>J</b>
2-Methylnaphthalene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Naphthalene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Phenanthrene</b>	<b>5.26</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<b>Pyrene</b>	<b>4.78</b>	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 02:30</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>81 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 02:30</i>	<i>EPA 8270E</i>

<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
<b>Acenaphthene</b>	<b>8.64</b>	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Acenaphthylene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
<b>Anthracene</b>	<b>1.67</b>	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	<b>J</b>

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Benz(a)anthracene	6.67	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(a)pyrene	11.2	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(b)fluoranthene	9.10	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(k)fluoranthene	3.03	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	J
Benzo(g,h,i)perylene	7.81	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Chrysene	7.72	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Fluoranthene	18.4	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Fluorene	2.10	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	6.39	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
2-Methylnaphthalene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Naphthalene	3.05	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	J
Phenanthrene	25.3	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Pyrene	22.3	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 69 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 16:57</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 16:57</i>	<i>EPA 8270E</i>

<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	10.5	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Acenaphthylene	ND	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Anthracene	4.97	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benz(a)anthracene	17.2	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(a)pyrene	25.7	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(b)fluoranthene	22.1	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(k)fluoranthene	8.24	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	M-05
Benzo(g,h,i)perylene	13.3	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Chrysene	17.5	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Dibenz(a,h)anthracene	1.80	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	J
Fluoranthene	43.2	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Fluorene	2.93	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	12.3	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
2-Methylnaphthalene	2.42	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	J
Naphthalene	4.10	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Phenanthrene	33.6	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Pyrene	40.7	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 17:29</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 17:29</i>	<i>EPA 8270E</i>
<b>USMPDI-003SC-B-00-02-201110 (A0K0482-07)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>AMEND, R-04</b>
Pentachlorophenol (PCP)	ND	75.7	151	ug/kg dry	4	01/06/21 07:37	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 126 %</i>		<i>Limits: 39-132 %</i>		<i>4</i>	<i>01/06/21 07:37</i>	<i>EPA 8270E</i>
<b>USMPDI-003SC-B-02-04-201110 (A0K0482-08)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Pentachlorophenol (PCP)	ND	15.3	30.7	ug/kg dry	1	01/06/21 06:02	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 39-132 %</i>		<i>1</i>	<i>01/06/21 06:02</i>	<i>EPA 8270E</i>
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Pentachlorophenol (PCP)	ND	15.2	30.4	ug/kg dry	1	01/06/21 06:33	EPA 8270E	
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 119 %</i>		<i>Limits: 39-132 %</i>		<i>1</i>	<i>01/06/21 06:33</i>	<i>EPA 8270E</i>
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Acenaphthylene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benz(a)anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(a)pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(b)fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(k)fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Chrysene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Fluorene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
2-Methylnaphthalene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Naphthalene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Phenanthrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Pentachlorophenol (PCP)	ND	14.9	29.8	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 44-120 %</i>	<i>1</i>	<i>01/06/21 07:05</i>	<i>EPA 8270E</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>83 %</i>		<i>54-127 %</i>	<i>1</i>	<i>01/06/21 07:05</i>	<i>EPA 8270E</i>	
<i>2,4,6-Tribromophenol (Surr)</i>		<i>115 %</i>		<i>39-132 %</i>	<i>1</i>	<i>01/06/21 07:05</i>	<i>EPA 8270E</i>	
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	267	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Acenaphthylene	264	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Anthracene	315	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benz(a)anthracene	1400	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(a)pyrene	2660	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(b)fluoranthene	2100	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(k)fluoranthene	743	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	<b>M-05</b>
Benzo(g,h,i)perylene	1810	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Chrysene	1660	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Dibenz(a,h)anthracene	202	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Fluoranthene	2640	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Fluorene	158	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Indeno(1,2,3-cd)pyrene	1510	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
2-Methylnaphthalene	124	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	<b>J</b>
Naphthalene	426	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Phenanthrene	1470	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Pyrene	2950	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 44-120 %</i>	<i>40</i>	<i>01/06/21 18:01</i>	<i>EPA 8270E</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>110 %</i>		<i>54-127 %</i>	<i>40</i>	<i>01/06/21 18:01</i>	<i>EPA 8270E</i>	<i>S-05</i>
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	140	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Acenaphthylene	33.7	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Anthracene	50.1	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benz(a)anthracene	212	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benzo(a)pyrene	347	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benzo(b)fluoranthene	284	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Benzo(k)fluoranthene	105	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	M-05
Benzo(g,h,i)perylene	208	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Chrysene	237	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Dibenz(a,h)anthracene	26.5	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Fluoranthene	557	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Fluorene	36.0	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Indeno(1,2,3-cd)pyrene	184	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
2-Methylnaphthalene	11.7	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	J
Naphthalene	50.8	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Phenanthrene	468	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Pyrene	521	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>01/06/21 18:33</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>89 %</i>		<i>54-127 %</i>		<i>4</i>	<i>01/06/21 18:33</i>	<i>EPA 8270E</i>

<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	15.7	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Acenaphthylene	2.01	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	J
Anthracene	1.87	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	J
Benz(a)anthracene	9.90	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(a)pyrene	17.3	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(b)fluoranthene	14.5	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(k)fluoranthene	4.76	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	M-05
Benzo(g,h,i)perylene	11.6	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Chrysene	12.1	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Fluoranthene	27.5	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Fluorene	2.27	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	J
Indeno(1,2,3-cd)pyrene	9.96	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
2-Methylnaphthalene	ND	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Naphthalene	1.78	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	J
Phenanthrene	58.2	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Pyrene	43.1	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 19:06</i>	<i>EPA 8270E</i>

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
<i>Surrogate: p-Terphenyl-d14 (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 54-127 %</i>		<i>1</i>	<i>01/06/21 19:06</i>	<i>EPA 8270E</i>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	156	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Acenaphthylene	4.88	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Anthracene	8.41	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benz(a)anthracene	23.4	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(a)pyrene	28.0	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(b)fluoranthene	22.2	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(k)fluoranthene	6.36	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	M-05
Benzo(g,h,i)perylene	18.6	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Chrysene	26.0	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Dibenz(a,h)anthracene	1.69	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	J
Fluoranthene	90.1	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Fluorene	14.5	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Indeno(1,2,3-cd)pyrene	14.7	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
2-Methylnaphthalene	5.64	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Naphthalene	18.6	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Pyrene	145	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 19:38</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>88 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 19:38</i>	<i>EPA 8270E</i>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Phenanthrene	391	14.3	28.6	ug/kg dry	10	01/06/21 21:01	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 44-120 %</i>		<i>10</i>	<i>01/06/21 21:01</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>54-127 %</i>		<i>10</i>	<i>01/06/21 21:01</i>	<i>EPA 8270E</i>
<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08, R-04</b>
Pentachlorophenol (PCP)	148	82.6	165	ug/kg dry	4	01/06/21 13:43	EPA 8270E	J
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 123 %</i>		<i>Limits: 39-132 %</i>		<i>4</i>	<i>01/06/21 13:43</i>	<i>EPA 8270E</i>
								<i>Q-41</i>
<b>USMPDI-006SC-D-02-04-201110 (A0K0482-16)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Pentachlorophenol (PCP)	15.4	15.4	30.8	ug/kg dry	1	01/06/21 14:15	EPA 8270E	J
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 142 %</i>		<i>Limits: 39-132 %</i>		<i>1</i>	<i>01/06/21 14:15</i>	<i>EPA 8270E</i>
								<i>Q-41, S-06</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Pentachlorophenol (PCP)	ND	15.0	29.9	ug/kg dry	1	01/06/21 14:48	EPA 8270E		
<i>Surrogate: 2,4,6-Tribromophenol (Surr)</i>		<i>Recovery: 145 %</i>		<i>Limits: 39-132 %</i>		<i>1</i>	<i>01/06/21 14:48</i>	<i>EPA 8270E</i>	<i>Q-41, S-06</i>
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	9.39	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Acenaphthylene	ND	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Anthracene	9.52	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Benz(a)anthracene	78.8	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Benzo(a)pyrene	62.1	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Benzo(b)fluoranthene	67.8	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Benzo(k)fluoranthene	25.0	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	M-05	
Benzo(g,h,i)perylene	22.5	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Chrysene	80.1	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Dibenz(a,h)anthracene	4.97	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Fluoranthene	89.6	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Fluorene	1.77	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	J	
Indeno(1,2,3-cd)pyrene	23.3	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
2-Methylnaphthalene	ND	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Naphthalene	1.57	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	J	
Phenanthrene	35.8	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Pyrene	88.7	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
Pentachlorophenol (PCP)	ND	15.2	30.3	ug/kg dry	1	01/06/21 15:20	EPA 8270E		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 15:20</i>	<i>EPA 8270E</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>96 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 15:20</i>	<i>EPA 8270E</i>	
<i>2,4,6-Tribromophenol (Surr)</i>		<i>128 %</i>		<i>39-132 %</i>		<i>1</i>	<i>01/06/21 15:20</i>	<i>EPA 8270E</i>	<i>Q-41</i>
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	1.98	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	J	
Acenaphthylene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E		
Anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E		
Benz(a)anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E		
Benzo(a)pyrene	ND	3.21	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E		
Benzo(b)fluoranthene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E		

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Benzo(k)fluoranthene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Chrysene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
<b>Fluoranthene</b>	<b>1.82</b>	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	<b>J</b>
Fluorene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
2-Methylnaphthalene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Naphthalene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
<b>Phenanthrene</b>	<b>2.82</b>	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	<b>J</b>
<b>Pyrene</b>	<b>2.62</b>	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	<b>J</b>
Pentachlorophenol (PCP)	ND	16.1	32.1	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>01/06/21 15:52</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>95 %</i>		<i>54-127 %</i>		<i>1</i>	<i>01/06/21 15:52</i>	<i>EPA 8270E</i>
<i>2,4,6-Tribromophenol (Surr)</i>		<i>140 %</i>		<i>39-132 %</i>		<i>1</i>	<i>01/06/21 15:52</i>	<i>EPA 8270E</i>

<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>			<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>	
Acenaphthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Acenaphthylene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benz(a)anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(a)pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(b)fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(k)fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Chrysene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Fluorene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
2-Methylnaphthalene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Naphthalene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Phenanthrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Pentachlorophenol (PCP)	ND	16.7	33.5	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 44-120 %</i>	<i>1</i>	<i>01/06/21 05:32</i>	<i>EPA 8270E</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>81 %</i>		<i>54-127 %</i>	<i>1</i>	<i>01/06/21 05:32</i>	<i>EPA 8270E</i>	
<i>2,4,6-Tribromophenol (Surr)</i>		<i>114 %</i>		<i>39-132 %</i>	<i>1</i>	<i>01/06/21 05:32</i>	<i>EPA 8270E</i>	
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>		<b>Batch: 1012490</b>		<b>H-08</b>
Acenaphthene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Acenaphthylene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Anthracene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Benz(a)anthracene</b>	<b>3.77</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Benzo(a)pyrene</b>	<b>6.64</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Benzo(b)fluoranthene</b>	<b>5.62</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Benzo(k)fluoranthene</b>	<b>2.01</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	<b>J</b>
<b>Benzo(g,h,i)perylene</b>	<b>5.47</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Chrysene</b>	<b>4.28</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Fluoranthene</b>	<b>7.05</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Fluorene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Indeno(1,2,3-cd)pyrene</b>	<b>4.54</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
2-Methylnaphthalene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Naphthalene</b>	<b>2.25</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	<b>J</b>
<b>Phenanthrene</b>	<b>4.22</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<b>Pyrene</b>	<b>7.71</b>	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Pentachlorophenol (PCP)	ND	17.0	33.9	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>	<i>1</i>	<i>01/06/21 04:01</i>	<i>EPA 8270E</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>54-127 %</i>	<i>1</i>	<i>01/06/21 04:01</i>	<i>EPA 8270E</i>	
<i>2,4,6-Tribromophenol (Surr)</i>		<i>124 %</i>		<i>39-132 %</i>	<i>1</i>	<i>01/06/21 04:01</i>	<i>EPA 8270E</i>	
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>		<b>Batch: 1012493</b>		<b>H-08</b>
Acenaphthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Acenaphthylene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benz(a)anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(a)pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	

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ANALYTICAL REPORT

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**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>		<b>Batch: 1012493</b>		<b>H-08</b>
Benzo(b)fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(k)fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Chrysene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Fluorene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
2-Methylnaphthalene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Naphthalene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Phenanthrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Pentachlorophenol (PCP)	ND	16.4	32.7	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>			<i>Recovery: 75 %</i>	<i>Limits: 44-120 %</i>	<i>1</i>	<i>01/06/21 00:58</i>	<i>EPA 8270E</i>	
<i>p-Terphenyl-d14 (Surr)</i>			<i>80 %</i>	<i>54-127 %</i>	<i>1</i>	<i>01/06/21 00:58</i>	<i>EPA 8270E</i>	
<i>2,4,6-Tribromophenol (Surr)</i>			<i>130 %</i>	<i>39-132 %</i>	<i>1</i>	<i>01/06/21 00:58</i>	<i>EPA 8270E</i>	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-00-02-201110 (A0K0482-07) Matrix: SE</b>								
Batch: 1012850								
Arsenic	5.02	0.401	0.802	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Cadmium	0.162	0.0802	0.160	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Chromium	32.4	0.401	0.802	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Copper	38.5	0.802	1.60	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Lead	9.90	0.0802	0.160	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Manganese	548	0.401	0.802	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Vanadium	107	0.802	1.60	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
Zinc	95.6	1.60	3.21	mg/kg dry	5	01/14/21 13:46	EPA 6020B	AMEND
<b>USMPDI-003SC-B-02-04-201110 (A0K0482-08) Matrix: SE</b>								
Batch: 1012850								
Arsenic	3.82	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Cadmium	0.0846	0.0639	0.128	mg/kg dry	5	01/14/21 13:51	EPA 6020B	J
Chromium	24.0	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Copper	23.4	0.639	1.28	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Lead	3.51	0.0639	0.128	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Manganese	395	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Vanadium	93.3	0.639	1.28	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Zinc	61.5	1.28	2.55	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09) Matrix: SE</b>								
Batch: 1012850								
Arsenic	3.70	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Cadmium	ND	0.0626	0.125	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Chromium	19.9	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Copper	20.8	0.626	1.25	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Lead	3.55	0.0626	0.125	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Manganese	276	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Vanadium	82.6	0.626	1.25	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Zinc	55.3	1.25	2.50	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10) Matrix: SE</b>								
Batch: 1012850								

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>				
Arsenic	3.36	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Cadmium	0.0780	0.0603	0.121	mg/kg dry	5	01/14/21 14:02	EPA 6020B	J
Chromium	20.6	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Copper	20.2	0.603	1.21	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Lead	3.28	0.0603	0.121	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Manganese	257	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Vanadium	82.3	0.603	1.21	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Zinc	54.7	1.21	2.41	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	6.30	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Cadmium	0.276	0.0876	0.175	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Chromium	41.1	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Copper	55.0	0.876	1.75	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Lead	19.6	0.0876	0.175	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Manganese	737	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Vanadium	124	0.876	1.75	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Zinc	140	1.75	3.50	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
<b>USMPDI-006SC-D-02-04-201110 (A0K0482-16)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	3.44	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Cadmium	0.0705	0.0652	0.130	mg/kg dry	5	01/14/21 14:13	EPA 6020B	J
Chromium	22.4	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Copper	22.8	0.652	1.30	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Lead	5.64	0.0652	0.130	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Manganese	341	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Vanadium	90.5	0.652	1.30	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Zinc	64.0	1.30	2.61	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	3.55	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17)</b>				<b>Matrix: SE</b>				
Cadmium	0.0683	0.0625	0.125	mg/kg dry	5	01/14/21 14:18	EPA 6020B	J
Chromium	21.9	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Copper	21.5	0.625	1.25	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Lead	4.53	0.0625	0.125	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Manganese	310	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Vanadium	88.0	0.625	1.25	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Zinc	60.7	1.25	2.50	mg/kg dry	5	01/14/21 14:18	EPA 6020B	

<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	4.89	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Cadmium	ND	0.0610	0.122	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Chromium	22.1	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Copper	22.7	0.610	1.22	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Lead	8.25	0.0610	0.122	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Manganese	365	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Vanadium	87.6	0.610	1.22	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Zinc	74.6	1.22	2.44	mg/kg dry	5	01/14/21 14:23	EPA 6020B	

<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	4.11	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Cadmium	0.105	0.0681	0.136	mg/kg dry	5	01/14/21 14:43	EPA 6020B	J
Chromium	25.2	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Copper	24.8	0.681	1.36	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Lead	3.76	0.0681	0.136	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Manganese	887	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Vanadium	92.4	0.681	1.36	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Zinc	58.3	1.36	2.72	mg/kg dry	5	01/14/21 14:43	EPA 6020B	

<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	3.69	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Cadmium	0.0875	0.0714	0.143	mg/kg dry	5	01/14/21 14:48	EPA 6020B	J

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>				
Chromium	22.0	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Copper	21.9	0.714	1.43	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Lead	3.60	0.0714	0.143	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Manganese	340	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Vanadium	87.1	0.714	1.43	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Zinc	57.4	1.43	2.86	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	3.52	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Cadmium	0.0825	0.0678	0.136	mg/kg dry	5	01/14/21 14:53	EPA 6020B	J
Chromium	22.6	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Copper	22.4	0.678	1.36	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Lead	3.41	0.0678	0.136	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Manganese	287	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	Q-42
Vanadium	88.3	0.678	1.36	mg/kg dry	5	01/14/21 14:53	EPA 6020B	Q-42
Zinc	57.8	1.36	2.71	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>				
Batch: 1012850								
Arsenic	3.64	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Cadmium	0.0866	0.0670	0.134	mg/kg dry	5	01/14/21 15:08	EPA 6020B	J
Chromium	20.6	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Copper	22.2	0.670	1.34	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Lead	3.69	0.0670	0.134	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Manganese	388	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Vanadium	86.0	0.670	1.34	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Zinc	56.6	1.34	2.68	mg/kg dry	5	01/14/21 15:08	EPA 6020B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-B-00-02-201110 (A0K0482-07)</b>				<b>Matrix: SE</b>		<b>Batch: 0110510</b>		
Total Cyanide	1.81	0.156	0.311	mg/kg dry	2	11/17/20 19:10	D7511-12	AMEND
<b>USMPDI-003SC-B-02-04-201110 (A0K0482-08)</b>				<b>Matrix: SE</b>		<b>Batch: 0110510</b>		
Total Cyanide	ND	0.0616	0.123	mg/kg dry	1	11/17/20 19:14	D7511-12	
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0628	0.126	mg/kg dry	1	11/14/20 12:07	D7511-12	
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0593	0.119	mg/kg dry	1	11/14/20 12:10	D7511-12	
<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15RE1)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	1.64	0.174	0.348	mg/kg dry	2	11/14/20 13:04	D7511-12	
<b>USMPDI-006SC-D-02-04-201110 (A0K0482-16)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	0.183	0.0640	0.128	mg/kg dry	1	11/14/20 12:16	D7511-12	
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0600	0.120	mg/kg dry	1	11/14/20 12:18	D7511-12	
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	0.0657	0.0631	0.126	mg/kg dry	1	11/14/20 12:28	D7511-12	J
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0651	0.130	mg/kg dry	1	11/14/20 12:30	D7511-12	
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0686	0.137	mg/kg dry	1	11/14/20 12:32	D7511-12	
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0668	0.134	mg/kg dry	1	11/14/20 12:36	D7511-12	
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>		<b>Batch: 0110520</b>		
Total Cyanide	ND	0.0655	0.131	mg/kg dry	1	11/14/20 12:44	D7511-12	

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Demand Parameters**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-01-02-201110 (A0K0482-01)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.083</b>	---	0.030	% by Weight dry	1	01/06/21 16:18	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.085</b>	---	0.025	% by Weight dry	1	01/06/21 16:29	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.046</b>	---	0.024	% by Weight dry	1	01/06/21 16:40	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.066</b>	---	0.026	% by Weight dry	1	01/06/21 17:12	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.082</b>	---	0.029	% by Weight dry	1	01/06/21 17:23	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.047</b>	---	0.024	% by Weight dry	1	01/06/21 17:34	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>1.1</b>	---	0.033	% by Weight dry	1	01/06/21 18:06	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.25</b>	---	0.029	% by Weight dry	1	01/06/21 18:17	PSEP_SM 5310B MOD	<b>H-08</b>

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 ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Demand Parameters**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.069</b>	---	0.025	% by Weight dry	1	01/06/21 18:28	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.26</b>	---	0.024	% by Weight dry	1	01/06/21 18:38	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.047</b>	---	0.025	% by Weight dry	1	01/06/21 18:49	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>1.5</b>	---	0.026	% by Weight dry	1	01/06/21 19:00	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.16</b>	---	0.027	% by Weight dry	1	01/06/21 19:11	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.059</b>	---	0.027	% by Weight dry	1	01/06/21 19:22	PSEP_SM 5310B MOD	<b>H-08</b>
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>				
Batch: 1012499								
<b>Total Organic Carbon</b>	<b>0.14</b>	---	0.027	% by Weight dry	1	01/06/21 19:43	PSEP_SM 5310B MOD	<b>H-08</b>

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-003SC-A-01-02-201110 (A0K0482-01)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>67.6</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-A-02-03-201110 (A0K0482-02)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>78.8</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>83.8</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-A-04-05-201110 (A0K0482-04)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>76.8</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-1003SC-A-01-02-201110 (A0K0482-05)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>69.1</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-B-00-02-201110 (A0K0482-07RE1)</b>				<b>Matrix: SE</b>				
Batch: 1080538								
<b>Total Solids</b>	<b>63.2</b>	---	1.00	%	1	08/17/21 17:16	SM 2540 G	
<b>USMPDI-003SC-B-02-04-201110 (A0K0482-08)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>78.8</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-B-04-06-201110 (A0K0482-09)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>78.6</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-003SC-B-06-08-201110 (A0K0482-10)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>83.3</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11)</b>				<b>Matrix: SE</b>				
Batch: 0110543								

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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-A-01-02-201110 (A0K0482-11)</b>				<b>Matrix: SE</b>				
<b>Total Solids</b>	<b>61.5</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-A-02-03-201110 (A0K0482-12)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>69.2</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-A-03-04-201110 (A0K0482-13)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>81.1</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-A-04-05-201110 (A0K0482-14)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>83.2</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-00-02-201110 (A0K0482-15)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>57.0</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-02-04-201110 (A0K0482-16)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>77.0</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-04-06-201110 (A0K0482-17)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>81.6</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-06-08-201110 (A0K0482-18)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>79.0</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-08-10-201110 (A0K0482-19)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>75.9</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>				
Batch: 0110543								

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<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**ANALYTICAL SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>USMPDI-006SC-D-10-12-201110 (A0K0482-20)</b>				<b>Matrix: SE</b>				
<b>Total Solids</b>	<b>72.8</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>				<b>Matrix: SE</b>				
Batch: 0110543								
<b>Total Solids</b>	<b>73.6</b>	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
<b>USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>				<b>Matrix: SE</b>				
Batch: 1012592								
<b>Total Solids</b>	<b>73.8</b>	---	1.00	%	1	01/07/21 13:54	SM 2540 G	

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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110532 - EPA 5030B</b>												
<b>Water</b>												
<b>Blank (0110532-BLK1)</b>												
Prepared: 11/16/20 07:30 Analyzed: 11/16/20 13:18												
<u>EPA 8260D</u>												
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 100 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 103 % 80-120 % "												
4-Bromofluorobenzene (Surr) 102 % 80-120 % "												

<b>LCS (0110532-BS1)</b>												
Prepared: 11/16/20 07:30 Analyzed: 11/16/20 12:22												
<u>EPA 8260D</u>												
Benzene	20.3	0.100	0.200	ug/L	1	20.0	---	101	80-120%	---	---	
Toluene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Ethylbenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
m,p-Xylene	40.3	0.500	1.00	ug/L	1	40.0	---	101	80-120%	---	---	
o-Xylene	20.3	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Chlorobenzene	20.5	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,1-Dichloroethene	20.6	0.200	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	20.7	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
Tetrachloroethene (PCE)	20.5	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Trichloroethene (TCE)	20.4	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Vinyl chloride	20.9	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 101 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 99 % 80-120 % "												
4-Bromofluorobenzene (Surr) 97 % 80-120 % "												

<b>Duplicate (0110532-DUP1)</b>												
Prepared: 11/16/20 10:13 Analyzed: 11/16/20 18:53												

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
--	---	---

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110532 - EPA 5030B</b>												
<b>Water</b>												
<b>Duplicate (0110532-DUP1)</b>			Prepared: 11/16/20 10:13 Analyzed: 11/16/20 18:53									
<b>QC Source Sample: Non-SDG (A0K0563-11)</b>												
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 102 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>103 %</i>		<i>80-120 %</i>		<i>"</i>						

<b>Matrix Spike (0110532-MS1)</b>			Prepared: 11/16/20 10:13 Analyzed: 11/16/20 16:36									
<b>QC Source Sample: Non-SDG (A0K0535-03)</b>												
<b>EPA 8260D</b>												
Benzene	21.2	0.100	0.200	ug/L	1	20.0	ND	106	79-120%	---	---	
Toluene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	80-121%	---	---	
Ethylbenzene	20.3	0.250	0.500	ug/L	1	20.0	ND	102	79-121%	---	---	
m,p-Xylene	40.9	0.500	1.00	ug/L	1	40.0	ND	102	80-121%	---	---	
o-Xylene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	78-122%	---	---	
Chlorobenzene	20.8	0.250	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
1,1-Dichloroethene	17.3	0.200	0.400	ug/L	1	20.0	ND	86	71-131%	---	---	
cis-1,2-Dichloroethene	21.5	0.200	0.400	ug/L	1	20.0	ND	108	78-123%	---	---	
Tetrachloroethene (PCE)	20.9	0.200	0.400	ug/L	1	20.0	ND	104	74-129%	---	---	
Trichloroethene (TCE)	21.2	0.200	0.400	ug/L	1	20.0	ND	106	79-123%	---	---	
Vinyl chloride	22.4	0.200	0.400	ug/L	1	20.0	ND	112	58-137%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 80-120 %</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96 %</i>		<i>80-120 %</i>		<i>"</i>						

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ANALYTICAL REPORT

AMENDED REPORT

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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110632 - EPA 5035A</b>												
<b>Soil</b>												
<b>Blank (0110632-BLK1)</b>												
Prepared: 11/18/20 09:00 Analyzed: 11/18/20 10:57												
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 96 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 99 % 80-120 % "												
4-Bromofluorobenzene (Surr) 98 % 79-120 % "												

<b>LCS (0110632-BS1)</b>												
Prepared: 11/18/20 09:00 Analyzed: 11/18/20 10:02												
<u>5035A/8260D</u>												
Benzene	956	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Toluene	961	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Ethylbenzene	978	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
m,p-Xylene	1950	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	952	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chlorobenzene	979	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1-Dichloroethene	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
cis-1,2-Dichloroethene	977	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Tetrachloroethene (PCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Trichloroethene (TCE)	994	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Vinyl chloride	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 98 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 101 % 80-120 % "												
4-Bromofluorobenzene (Surr) 99 % 79-120 % "												

<b>Duplicate (0110632-DUP1)</b>											
Prepared: 11/12/20 10:00 Analyzed: 11/18/20 13:13											

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110632 - EPA 5035A</b>												
<b>Soil</b>												
<b>Duplicate (0110632-DUP1)</b>			Prepared: 11/12/20 10:00 Analyzed: 11/18/20 13:13									
<b>QC Source Sample: Non-SDG (A0K0563-01)</b>												
Benzene	ND	5.73	11.5	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	28.6	57.3	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	28.6	57.3	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 91%</i>		<i>Limits: 80-120%</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>98%</i>		<i>80-120%</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96%</i>		<i>79-120%</i>		<i>"</i>						

<b>Matrix Spike (0110632-MS1)</b>												
Prepared: 11/17/20 10:22 Analyzed: 11/18/20 16:24												
<b>QC Source Sample: Non-SDG (A0K0608-01)</b>												
<b>5035A/8260D</b>												
Benzene	996	5.84	11.7	ug/kg dry	50	1170	ND	85	77-121%	---	---	
Toluene	1080	29.2	58.4	ug/kg dry	50	1170	ND	92	77-121%	---	---	
Ethylbenzene	1150	14.6	29.2	ug/kg dry	50	1170	ND	98	76-122%	---	---	
m,p-Xylene	2340	29.2	58.4	ug/kg dry	50	2340	ND	100	77-124%	---	---	
o-Xylene	1140	14.6	29.2	ug/kg dry	50	1170	ND	98	77-123%	---	---	
Chlorobenzene	1120	14.6	29.2	ug/kg dry	50	1170	ND	96	79-120%	---	---	
1,1-Dichloroethene	1260	14.6	29.2	ug/kg dry	50	1170	ND	108	70-131%	---	---	
cis-1,2-Dichloroethene	1060	14.6	29.2	ug/kg dry	50	1170	ND	91	77-123%	---	---	
Tetrachloroethene (PCE)	1110	14.6	29.2	ug/kg dry	50	1170	ND	95	73-128%	---	---	
Trichloroethene (TCE)	1040	14.6	29.2	ug/kg dry	50	1170	ND	89	77-123%	---	---	
Vinyl chloride	1030	14.6	29.2	ug/kg dry	50	1170	ND	88	56-135%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 88%</i>		<i>Limits: 80-120%</i>		<i>Dilution: 1x</i>						
<i>Toluene-d8 (Surr)</i>		<i>97%</i>		<i>80-120%</i>		<i>"</i>						
<i>4-Bromofluorobenzene (Surr)</i>		<i>96%</i>		<i>79-120%</i>		<i>"</i>						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110717 - EPA 5035A</b>												
<b>Soil</b>												
<b>Blank (0110717-BLK1)</b>												
Prepared: 11/19/20 09:00 Analyzed: 11/19/20 17:31												
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 102 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 100 % 80-120 % "												
4-Bromofluorobenzene (Surr) 102 % 79-120 % "												

<b>LCS (0110717-BS1)</b>												
Prepared: 11/19/20 09:00 Analyzed: 11/19/20 16:09												
<u>5035A/8260D</u>												
Benzene	964	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Toluene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
Ethylbenzene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
m,p-Xylene	2090	25.0	50.0	ug/kg wet	50	2000	---	104	80-120%	---	---	
o-Xylene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Chlorobenzene	983	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1-Dichloroethene	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
cis-1,2-Dichloroethene	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Tetrachloroethene (PCE)	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Trichloroethene (TCE)	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Vinyl chloride	880	12.5	25.0	ug/kg wet	50	1000	---	88	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 102 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 99 % 80-120 % "												
4-Bromofluorobenzene (Surr) 99 % 79-120 % "												

<b>Matrix Spike (0110717-MS1)</b>											
Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:25											

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110717 - EPA 5035A</b>												
<b>Soil</b>												
<b>Matrix Spike (0110717-MS1)</b>												
Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:25												
<b>QC Source Sample: Non-SDG (A0K0477-35RE1)</b>												
<b>5035A/8260D</b>												
Benzene	1730	7.64	15.3	ug/kg dry	50	1530	ND	113	77-121%	---	---	
Toluene	1510	38.2	76.4	ug/kg dry	50	1530	ND	99	77-121%	---	---	
Ethylbenzene	1640	19.1	38.2	ug/kg dry	50	1530	ND	107	76-122%	---	---	
m,p-Xylene	3300	38.2	76.4	ug/kg dry	50	3060	ND	108	77-124%	---	---	
o-Xylene	1680	19.1	38.2	ug/kg dry	50	1530	ND	110	77-123%	---	---	
Chlorobenzene	1590	19.1	38.2	ug/kg dry	50	1530	ND	104	79-120%	---	---	
1,1-Dichloroethene	1740	19.1	38.2	ug/kg dry	50	1530	ND	114	70-131%	---	---	
cis-1,2-Dichloroethene	1780	19.1	38.2	ug/kg dry	50	1530	ND	117	77-123%	---	---	
Tetrachloroethene (PCE)	1650	19.1	38.2	ug/kg dry	50	1530	ND	108	73-128%	---	---	
Trichloroethene (TCE)	1810	19.1	38.2	ug/kg dry	50	1530	ND	119	77-123%	---	---	
Vinyl chloride	1890	19.1	38.2	ug/kg dry	50	1530	ND	124	56-135%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 108 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 100 % 80-120 % "												
4-Bromofluorobenzene (Surr) 99 % 79-120 % "												

<b>Matrix Spike Dup (0110717-MSD1)</b>												
Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:52												
<b>QC Source Sample: Non-SDG (A0K0477-35RE1)</b>												
Benzene	1680	7.64	15.3	ug/kg dry	50	1530	ND	110	77-121%	3	30%	
Toluene	1480	38.2	76.4	ug/kg dry	50	1530	ND	97	77-121%	2	30%	
Ethylbenzene	1610	19.1	38.2	ug/kg dry	50	1530	ND	105	76-122%	2	30%	
m,p-Xylene	3240	38.2	76.4	ug/kg dry	50	3060	ND	106	77-124%	2	30%	
o-Xylene	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	77-123%	2	30%	
Chlorobenzene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	79-120%	3	30%	
1,1-Dichloroethene	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	70-131%	5	30%	
cis-1,2-Dichloroethene	1730	19.1	38.2	ug/kg dry	50	1530	ND	113	77-123%	3	30%	
Tetrachloroethene (PCE)	1620	19.1	38.2	ug/kg dry	50	1530	ND	106	73-128%	2	30%	
Trichloroethene (TCE)	1760	19.1	38.2	ug/kg dry	50	1530	ND	115	77-123%	3	30%	
Vinyl chloride	1800	19.1	38.2	ug/kg dry	50	1530	ND	118	56-135%	5	30%	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 108 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 100 % 80-120 % "												
4-Bromofluorobenzene (Surr) 100 % 79-120 % "												

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110771 - EPA 5035A</b>												
<b>Soil</b>												
<b>Blank (0110771-BLK1)</b>												
Prepared: 11/20/20 09:00 Analyzed: 11/20/20 15:47												
<u>5035A/8260D</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 107 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 99 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr) 102 % 79-120 % "</i>												

<b>LCS (0110771-BS1)</b>												
Prepared: 11/20/20 09:00 Analyzed: 11/20/20 14:26												
<u>5035A/8260D</u>												
Benzene	1010	5.00	10.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Toluene	901	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Ethylbenzene	965	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
m,p-Xylene	1950	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	995	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chlorobenzene	934	12.5	25.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,1-Dichloroethene	986	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
cis-1,2-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	996	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Trichloroethene (TCE)	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Vinyl chloride	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 109 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 100 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr) 103 % 79-120 % "</i>												

<b>Duplicate (0110771-DUP1)</b>											
Prepared: 11/10/20 09:05 Analyzed: 11/20/20 19:23											

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110771 - EPA 5035A</b>												
<b>Soil</b>												
<b>Duplicate (0110771-DUP1)</b> <span style="float: right;">Prepared: 11/10/20 09:05 Analyzed: 11/20/20 19:23</span>												
<b>QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>												
<b>5035A/8260D</b>												
Benzene	ND	8.69	17.4	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	99.7	43.5	86.9	ug/kg dry	50	---	ND	---	---	---	30%	Q-04
Ethylbenzene	30.3	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	Q-05, J
m,p-Xylene	101	43.5	86.9	ug/kg dry	50	---	ND	---	---	---	30%	Q-04
o-Xylene	34.7	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	Q-05, J
Chlorobenzene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 107 % Limits: 80-120 % Dilution: 1x</i> <i>Toluene-d8 (Surr) 100 % 80-120 % "</i> <i>4-Bromofluorobenzene (Surr) 102 % 79-120 % "</i>												

<b>Matrix Spike (0110771-MS1)</b> <span style="float: right;">Prepared: 11/10/20 09:05 Analyzed: 11/20/20 20:17</span>												
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>5035A/8260D</b>												
Benzene	1640	7.64	15.3	ug/kg dry	50	1530	ND	107	77-121%	---	---	
Toluene	1480	38.2	76.4	ug/kg dry	50	1530	ND	97	77-121%	---	---	
Ethylbenzene	1600	19.1	38.2	ug/kg dry	50	1530	ND	105	76-122%	---	---	
m,p-Xylene	3250	38.2	76.4	ug/kg dry	50	3060	ND	106	77-124%	---	---	
o-Xylene	1640	19.1	38.2	ug/kg dry	50	1530	ND	107	77-123%	---	---	
Chlorobenzene	1570	19.1	38.2	ug/kg dry	50	1530	ND	103	79-120%	---	---	
1,1-Dichloroethene	1610	19.1	38.2	ug/kg dry	50	1530	ND	105	70-131%	---	---	
cis-1,2-Dichloroethene	1670	19.1	38.2	ug/kg dry	50	1530	ND	109	77-123%	---	---	
Tetrachloroethene (PCE)	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	73-128%	---	---	
Trichloroethene (TCE)	1770	19.1	38.2	ug/kg dry	50	1530	ND	116	77-123%	---	---	
Vinyl chloride	1580	19.1	38.2	ug/kg dry	50	1530	ND	103	56-135%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 107 % Limits: 80-120 % Dilution: 1x</i> <i>Toluene-d8 (Surr) 97 % 80-120 % "</i>												

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110771 - EPA 5035A</b>						<b>Soil</b>						
<b>Matrix Spike (0110771-MS1)</b>						Prepared: 11/10/20 09:05 Analyzed: 11/20/20 20:17						
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
Surr: 4-Bromofluorobenzene (Surr) Recovery: 100 % Limits: 79-120 % Dilution: 1x												
<b>Matrix Spike Dup (0110771-MSD1)</b>						Prepared: 11/10/20 09:05 Analyzed: 11/20/20 20:45						
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>5035A/8260D</b>												
Benzene	1550	7.64	15.3	ug/kg dry	50	1530	ND	102	77-121%	6	30%	
Toluene	1420	38.2	76.4	ug/kg dry	50	1530	ND	93	77-121%	4	30%	
Ethylbenzene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	76-122%	4	30%	
m,p-Xylene	3110	38.2	76.4	ug/kg dry	50	3060	ND	102	77-124%	4	30%	
o-Xylene	1600	19.1	38.2	ug/kg dry	50	1530	ND	105	77-123%	2	30%	
Chlorobenzene	1490	19.1	38.2	ug/kg dry	50	1530	ND	98	79-120%	5	30%	
1,1-Dichloroethene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	70-131%	5	30%	
cis-1,2-Dichloroethene	1580	19.1	38.2	ug/kg dry	50	1530	ND	104	77-123%	5	30%	
Tetrachloroethene (PCE)	1590	19.1	38.2	ug/kg dry	50	1530	ND	104	73-128%	4	30%	
Trichloroethene (TCE)	1700	19.1	38.2	ug/kg dry	50	1530	ND	111	77-123%	4	30%	
Vinyl chloride	1480	19.1	38.2	ug/kg dry	50	1530	ND	97	56-135%	6	30%	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 106 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) Recovery: 99 % Limits: 80-120 % Dilution: "												
4-Bromofluorobenzene (Surr) Recovery: 100 % Limits: 79-120 % Dilution: "												

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Darwin Thomas, Business Development Director



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**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
<b>Batch 1012827 - EPA 3546</b>						<b>Sediment</b>							
<b>Blank (1012827-BLK1)</b>			Prepared: 01/13/21 10:20 Analyzed: 01/14/21 08:17						C-07				
<u>EPA 8082A</u>													
Aroclor 1016	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1221	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1232	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1242	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1248	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1254	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1260	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1262	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1268	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
<b>LCS (1012827-BS1)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 08:34						C-07	
<u>EPA 8082A</u>													
Aroclor 1016	168	2.00	4.00	ug/kg wet	1	250	---	67	47-134%	---	---		
Aroclor 1260	180	2.00	4.00	ug/kg wet	1	250	---	72	53-140%	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
<b>Duplicate (1012827-DUP1)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 09:28						C-07	
<u>QC Source Sample: Non-SDG (A0K0477-05)</u>													
Aroclor 1016	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1221	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1232	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1242	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1248	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1254	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1260	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1262	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1268	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>							
<b>Matrix Spike (1012827-MS1)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 08:52						C-07	
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>													

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Polychlorinated Biphenyls by EPA 8082A**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012827 - EPA 3546</b>						<b>Sediment</b>						
<b>Matrix Spike (1012827-MS1)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 08:52						<b>C-07</b>
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	219	2.57	5.14	ug/kg dry	1	321	ND	68	47-134%	---	---	
Aroclor 1260	279	2.57	5.14	ug/kg dry	1	321	ND	87	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
<b>Matrix Spike (1012827-MS2)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 11:15						<b>C-07</b>
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	175	2.34	4.67	ug/kg dry	1	292	ND	60	47-134%	---	---	
Aroclor 1260	232	2.34	4.67	ug/kg dry	1	292	ND	79	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
<b>Matrix Spike Dup (1012827-MSD1)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 09:28						<b>C-07</b>
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	233	2.66	5.31	ug/kg dry	1	332	ND	70	47-134%	6	30%	
Aroclor 1260	290	2.66	5.31	ug/kg dry	1	332	ND	87	53-140%	4	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						
<b>Matrix Spike Dup (1012827-MSD2)</b>						Prepared: 01/13/21 10:20 Analyzed: 01/14/21 11:50						<b>C-07</b>
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	169	2.22	4.44	ug/kg dry	1	277	ND	61	47-134%	4	30%	
Aroclor 1260	224	2.22	4.44	ug/kg dry	1	277	ND	81	53-140%	3	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 60-125 %</i>		<i>Dilution: 1x</i>						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
<b>Batch 1012907 - EPA 3546/3640A (GPC)</b>						<b>Sediment</b>							
<b>Blank (1012907-BLK1)</b>			Prepared: 01/06/21 11:23 Analyzed: 01/18/21 16:15						<b>C-05</b>				
<b>EPA 8081B</b>													
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>109 %</i>		<i>55-130 %</i>		<i>"</i>							
<b>LCS (1012907-BS1)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 16:32						<b>C-05</b>	
<b>EPA 8081B</b>													
2,4'-DDD	44.8	1.00	2.00	ug/kg wet	1	50.0	---	90	58-128%	---	---		
2,4'-DDE	40.3	1.00	2.00	ug/kg wet	1	50.0	---	81	49-125%	---	---		
2,4'-DDT	45.8	1.00	2.00	ug/kg wet	1	50.0	---	92	66-145%	---	---		
4,4'-DDD	41.6	1.00	2.00	ug/kg wet	1	50.0	---	83	56-139%	---	---		
4,4'-DDE	38.9	1.00	2.00	ug/kg wet	1	50.0	---	78	56-134%	---	---		
4,4'-DDT	46.3	1.00	2.00	ug/kg wet	1	50.0	---	93	50-141%	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>"</i>							
<b>Duplicate (1012907-DUP1)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 17:07						<b>C-05, H-08</b>	
<b>QC Source Sample: USMPDI-003SC-A-01-02-201110 (A0K0482-01RE1)</b>													
<b>EPA 8081B</b>													
2,4'-DDD	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDE	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDT	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDD	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDE	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDT	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>"</i>							

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AMENDED REPORT

**Apex Laboratories, LLC**

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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012907 - EPA 3546/3640A (GPC)</b>						<b>Sediment</b>						
<b>Matrix Spike (1012907-MS1)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 17:58						C-05, H-08
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)</b>												
<b>EPA 8081B</b>												
2,4'-DDD	53.6	1.15	2.30	ug/kg dry	1	57.5	ND	93	58-128%	---	---	
2,4'-DDE	44.8	1.15	2.30	ug/kg dry	1	57.5	ND	78	49-125%	---	---	
2,4'-DDT	58.7	1.15	2.30	ug/kg dry	1	57.5	ND	102	66-145%	---	---	
4,4'-DDD	50.9	1.15	2.30	ug/kg dry	1	57.5	ND	88	56-139%	---	---	
4,4'-DDE	44.1	1.15	2.30	ug/kg dry	1	57.5	ND	77	56-134%	---	---	
4,4'-DDT	62.0	1.15	2.30	ug/kg dry	1	57.5	ND	108	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>"</i>						

<b>Matrix Spike (1012907-MS2)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 23:41						C-05, H-08
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)</b>												
<b>EPA 8081B</b>												
2,4'-DDD	64.8	1.32	2.65	ug/kg dry	1	66.2	ND	98	58-128%	---	---	
2,4'-DDE	61.2	1.32	2.65	ug/kg dry	1	66.2	ND	92	49-125%	---	---	
2,4'-DDT	71.4	1.32	2.65	ug/kg dry	1	66.2	ND	108	66-145%	---	---	
4,4'-DDD	58.0	1.32	2.65	ug/kg dry	1	66.2	ND	88	56-139%	---	---	
4,4'-DDT	71.2	1.32	2.65	ug/kg dry	1	66.2	ND	108	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>"</i>						

<b>Matrix Spike (1012907-MS3)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/21/21 18:12						C-05, H-08
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)</b>												
<b>EPA 8081B</b>												
4,4'-DDE	61.0	1.32	2.65	ug/kg dry	1	66.2	ND	92	56-134%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>"</i>						

<b>Matrix Spike Dup (1012907-MSD1)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 18:15						C-05, H-08
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)</b>												
<b>EPA 8081B</b>												

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Darwin Thomas, Business Development Director



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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012907 - EPA 3546/3640A (GPC)</b>						<b>Sediment</b>						
<b>Matrix Spike Dup (1012907-MSD1)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 18:15						C-05, H-08
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)</b>												
2,4'-DDD	47.2	1.17	2.33	ug/kg dry	1	58.3	ND	81	58-128%	13	30%	
2,4'-DDE	39.7	1.17	2.33	ug/kg dry	1	58.3	ND	68	49-125%	12	30%	
2,4'-DDT	48.6	1.17	2.33	ug/kg dry	1	58.3	ND	83	66-145%	19	30%	
4,4'-DDD	42.7	1.17	2.33	ug/kg dry	1	58.3	ND	73	56-139%	18	30%	
4,4'-DDE	39.4	1.17	2.33	ug/kg dry	1	58.3	ND	68	56-134%	11	30%	
4,4'-DDT	48.6	1.17	2.33	ug/kg dry	1	58.3	ND	83	50-141%	24	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>88 %</i>		<i>55-130 %</i>		<i>"</i>						
<b>Matrix Spike Dup (1012907-MSD2)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/18/21 23:59						C-05, H-08
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)</b>												
<b>EPA 8081B</b>												
2,4'-DDD	54.2	1.30	2.61	ug/kg dry	1	65.2	ND	83	58-128%	18	30%	
2,4'-DDE	45.9	1.30	2.61	ug/kg dry	1	65.2	ND	70	49-125%	29	30%	
2,4'-DDT	58.7	1.30	2.61	ug/kg dry	1	65.2	ND	90	66-145%	20	30%	
4,4'-DDD	49.6	1.30	2.61	ug/kg dry	1	65.2	ND	76	56-139%	16	30%	
4,4'-DDT	58.6	1.30	2.61	ug/kg dry	1	65.2	ND	90	50-141%	19	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>"</i>						
<b>Matrix Spike Dup (1012907-MSD3)</b>						Prepared: 01/06/21 11:23 Analyzed: 01/21/21 18:29						C-05, H-08
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)</b>												
<b>EPA 8081B</b>												
4,4'-DDE	54.4	1.30	2.61	ug/kg dry	1	65.2	ND	83	56-134%	11	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>112 %</i>		<i>55-130 %</i>		<i>"</i>						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>												
<b>Sediment</b>												
<b>Blank (1012490-BLK1)</b>												
Prepared: 01/05/21 07:42 Analyzed: 01/05/21 21:55												
<u>EPA 8270E</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>94 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>101 %</i>		<i>39-132 %</i>		<i>"</i>						

<b>LCS (1012490-BS1)</b>												
Prepared: 01/05/21 07:42 Analyzed: 01/05/21 22:25												
<u>EPA 8270E</u>												
Acenaphthene	14.5	1.25	2.50	ug/kg wet	1	20.0	---	72	40-123%	---	---	
Acenaphthylene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	32-132%	---	---	
Anthracene	17.0	1.25	2.50	ug/kg wet	1	20.0	---	85	47-123%	---	---	
Benz(a)anthracene	18.7	1.25	2.50	ug/kg wet	1	20.0	---	93	49-126%	---	---	
Benzo(a)pyrene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	45-129%	---	---	
Benzo(b)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	92	45-132%	---	---	
Benzo(k)fluoranthene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	47-132%	---	---	
Benzo(g,h,i)perylene	16.5	1.25	2.50	ug/kg wet	1	20.0	---	83	43-134%	---	---	
Chrysene	18.2	1.25	2.50	ug/kg wet	1	20.0	---	91	50-124%	---	---	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>												
<b>Sediment</b>												
<b>LCS (1012490-BS1)</b>												
Prepared: 01/05/21 07:42 Analyzed: 01/05/21 22:25												
Dibenz(a,h)anthracene	16.0	1.25	2.50	ug/kg wet	1	20.0	---	80	45-134%	---	---	
Fluoranthene	18.0	1.25	2.50	ug/kg wet	1	20.0	---	90	50-127%	---	---	
Fluorene	16.2	1.25	2.50	ug/kg wet	1	20.0	---	81	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.6	1.25	2.50	ug/kg wet	1	20.0	---	83	45-133%	---	---	
2-Methylnaphthalene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	38-122%	---	---	
Naphthalene	13.7	1.25	2.50	ug/kg wet	1	20.0	---	69	35-123%	---	---	
Phenanthrene	14.9	1.25	2.50	ug/kg wet	1	20.0	---	75	50-121%	---	---	
Pyrene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	47-127%	---	---	
Pentachlorophenol (PCP)	67.3	12.5	25.0	ug/kg wet	1	50.0	---	<b>135</b>	<b>25-133%</b>	---	---	Q-29
Surr: 2-Fluorobiphenyl (Surr) Recovery: 70 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 88 % 54-127 % "												
2,4,6-Tribromophenol (Surr) 103 % 39-132 % "												

<b>Duplicate (1012490-DUP1)</b>												
Prepared: 01/05/21 07:42 Analyzed: 01/05/21 23:27												
<b>H-08</b>												
<b>QC Source Sample: USMPDL-003SC-A-01-02-201110 (A0K0482-01)</b>												
<b>EPA 8270E</b>												
Acenaphthene	12.1	1.76	3.52	ug/kg dry	1	---	11.8	---	---	2	30%	
Acenaphthylene	2.02	1.76	3.52	ug/kg dry	1	---	1.86	---	---	9	30%	J
Anthracene	7.51	1.76	3.52	ug/kg dry	1	---	1.98	---	---	<b>116</b>	<b>30%</b>	Q-05
Benz(a)anthracene	7.26	1.76	3.52	ug/kg dry	1	---	5.56	---	---	27	30%	
Benzo(a)pyrene	7.77	1.76	3.52	ug/kg dry	1	---	8.21	---	---	6	30%	
Benzo(b)fluoranthene	6.95	1.76	3.52	ug/kg dry	1	---	7.57	---	---	9	30%	
Benzo(k)fluoranthene	2.34	1.76	3.52	ug/kg dry	1	---	2.41	---	---	3	30%	J
Benzo(g,h,i)perylene	5.22	1.76	3.52	ug/kg dry	1	---	6.93	---	---	28	30%	
Chrysene	8.06	1.76	3.52	ug/kg dry	1	---	6.90	---	---	16	30%	
Dibenz(a,h)anthracene	ND	1.76	3.52	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	23.2	1.76	3.52	ug/kg dry	1	---	16.3	---	---	<b>35</b>	<b>30%</b>	Q-05
Fluorene	6.46	1.76	3.52	ug/kg dry	1	---	1.81	---	---	<b>113</b>	<b>30%</b>	Q-05
Indeno(1,2,3-cd)pyrene	4.17	1.76	3.52	ug/kg dry	1	---	5.37	---	---	25	30%	
2-Methylnaphthalene	13.4	1.76	3.52	ug/kg dry	1	---	2.72	---	---	<b>132</b>	<b>30%</b>	Q-05
Naphthalene	15.3	1.76	3.52	ug/kg dry	1	---	7.92	---	---	<b>64</b>	<b>30%</b>	Q-05
Phenanthrene	43.4	1.76	3.52	ug/kg dry	1	---	21.4	---	---	<b>68</b>	<b>30%</b>	Q-17
Pyrene	23.6	1.76	3.52	ug/kg dry	1	---	18.6	---	---	24	30%	
Pentachlorophenol (PCP)	ND	17.6	35.2	ug/kg dry	1	---	ND	---	---	---	30%	

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**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>												
<b>Sediment</b>												
<b>Duplicate (1012490-DUP1)</b>												
						Prepared: 01/05/21 07:42 Analyzed: 01/05/21 23:27				H-08		
<b>QC Source Sample: USMPDI-003SC-A-01-02-201110 (A0K0482-01)</b>												
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
		<i>Recovery:</i>		<i>82 %</i>		<i>Limits:</i>		<i>44-120 %</i>		<i>Dilution: 1x</i>		
		<i>p-Terphenyl-d14 (Surr)</i>		<i>85 %</i>		<i>54-127 %</i>		<i>"</i>				
		<i>2,4,6-Tribromophenol (Surr)</i>		<i>126 %</i>		<i>39-132 %</i>		<i>"</i>				

<b>Matrix Spike (1012490-MS1)</b>												
						Prepared: 01/05/21 07:42 Analyzed: 01/06/21 03:00				H-08		

<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>												
<b>EPA 8270E</b>												
Acenaphthene	20.3	1.44	2.89	ug/kg dry	1	23.1	2.05	79	40-123%	---	---	
Acenaphthylene	19.4	1.44	2.89	ug/kg dry	1	23.1	ND	84	32-132%	---	---	
Anthracene	21.1	1.44	2.89	ug/kg dry	1	23.1	ND	91	47-123%	---	---	
Benz(a)anthracene	21.9	1.44	2.89	ug/kg dry	1	23.1	1.56	88	49-126%	---	---	
Benzo(a)pyrene	23.7	1.44	2.89	ug/kg dry	1	23.1	2.73	91	45-129%	---	---	
Benzo(b)fluoranthene	21.7	1.44	2.89	ug/kg dry	1	23.1	2.36	84	45-132%	---	---	
Benzo(k)fluoranthene	20.8	1.44	2.89	ug/kg dry	1	23.1	ND	90	47-132%	---	---	
Benzo(g,h,i)perylene	20.9	1.44	2.89	ug/kg dry	1	23.1	2.03	82	43-134%	---	---	
Chrysene	21.2	1.44	2.89	ug/kg dry	1	23.1	1.89	83	50-124%	---	---	
Dibenz(a,h)anthracene	17.0	1.44	2.89	ug/kg dry	1	23.1	ND	74	45-134%	---	---	
Fluoranthene	25.0	1.44	2.89	ug/kg dry	1	23.1	3.52	93	50-127%	---	---	
Fluorene	20.5	1.44	2.89	ug/kg dry	1	23.1	ND	89	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	19.9	1.44	2.89	ug/kg dry	1	23.1	1.69	79	45-133%	---	---	
2-Methylnaphthalene	19.6	1.44	2.89	ug/kg dry	1	23.1	ND	85	38-122%	---	---	
Naphthalene	17.9	1.44	2.89	ug/kg dry	1	23.1	ND	78	35-123%	---	---	
Phenanthrene	24.3	1.44	2.89	ug/kg dry	1	23.1	5.26	82	50-121%	---	---	
Pyrene	23.1	1.44	2.89	ug/kg dry	1	23.1	4.78	79	47-127%	---	---	
Pentachlorophenol (PCP)	92.4	14.4	28.9	ug/kg dry	1	57.8	ND	<b>160</b>	<b>25-133%</b>	---	---	Q-01
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
		<i>Recovery:</i>		<i>76 %</i>		<i>Limits:</i>		<i>44-120 %</i>		<i>Dilution: 1x</i>		
		<i>p-Terphenyl-d14 (Surr)</i>		<i>85 %</i>		<i>54-127 %</i>		<i>"</i>				
		<i>2,4,6-Tribromophenol (Surr)</i>		<i>119 %</i>		<i>39-132 %</i>		<i>"</i>				

<b>Matrix Spike (1012490-MS2)</b>												
						Prepared: 01/05/21 07:43 Analyzed: 01/06/21 04:31				H-08		

<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>EPA 8270E</b>												

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>						<b>Sediment</b>						
<b>Matrix Spike (1012490-MS2)</b>						Prepared: 01/05/21 07:43 Analyzed: 01/06/21 04:31						<b>H-08</b>
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
Acenaphthene	23.5	1.69	3.37	ug/kg dry	1	27.0	ND	87	40-123%	---	---	
Acenaphthylene	24.0	1.69	3.37	ug/kg dry	1	27.0	ND	89	32-132%	---	---	
Anthracene	25.0	1.69	3.37	ug/kg dry	1	27.0	ND	92	47-123%	---	---	
Benz(a)anthracene	25.2	1.69	3.37	ug/kg dry	1	27.0	3.77	79	49-126%	---	---	
Benzo(a)pyrene	25.0	1.69	3.37	ug/kg dry	1	27.0	6.64	68	45-129%	---	---	
Benzo(b)fluoranthene	24.3	1.69	3.37	ug/kg dry	1	27.0	5.62	69	45-132%	---	---	
Benzo(k)fluoranthene	24.5	1.69	3.37	ug/kg dry	1	27.0	2.01	83	47-132%	---	---	
Benzo(g,h,i)perylene	23.0	1.69	3.37	ug/kg dry	1	27.0	5.47	65	43-134%	---	---	
Chrysene	24.1	1.69	3.37	ug/kg dry	1	27.0	4.28	73	50-124%	---	---	
Dibenz(a,h)anthracene	20.4	1.69	3.37	ug/kg dry	1	27.0	ND	76	45-134%	---	---	
Fluoranthene	26.6	1.69	3.37	ug/kg dry	1	27.0	7.05	73	50-127%	---	---	
Fluorene	24.6	1.69	3.37	ug/kg dry	1	27.0	ND	91	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	22.1	1.69	3.37	ug/kg dry	1	27.0	4.54	65	45-133%	---	---	
2-Methylnaphthalene	24.6	1.69	3.37	ug/kg dry	1	27.0	ND	91	38-122%	---	---	
Naphthalene	22.2	1.69	3.37	ug/kg dry	1	27.0	2.25	74	35-123%	---	---	
Phenanthrene	24.3	1.69	3.37	ug/kg dry	1	27.0	4.22	74	50-121%	---	---	
Pyrene	23.5	1.69	3.37	ug/kg dry	1	27.0	7.71	59	47-127%	---	---	
Pentachlorophenol (PCP)	114	16.9	33.7	ug/kg dry	1	67.5	ND	<b>169</b>	<b>25-133%</b>	---	---	Q-01
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>86 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>129 %</i>		<i>39-132 %</i>		<i>"</i>						

<b>Matrix Spike Dup (1012490-MSD1)</b>						Prepared: 01/05/21 07:43 Analyzed: 01/06/21 03:31						<b>H-08</b>
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>												
<b>EPA 8270E</b>												
Acenaphthene	23.3	1.45	2.90	ug/kg dry	1	23.2	2.05	91	40-123%	14	30%	
Acenaphthylene	20.9	1.45	2.90	ug/kg dry	1	23.2	ND	90	32-132%	7	30%	
Anthracene	21.7	1.45	2.90	ug/kg dry	1	23.2	ND	93	47-123%	3	30%	
Benz(a)anthracene	22.6	1.45	2.90	ug/kg dry	1	23.2	1.56	91	49-126%	3	30%	
Benzo(a)pyrene	23.7	1.45	2.90	ug/kg dry	1	23.2	2.73	90	45-129%	0.2	30%	
Benzo(b)fluoranthene	23.7	1.45	2.90	ug/kg dry	1	23.2	2.36	92	45-132%	9	30%	
Benzo(k)fluoranthene	20.8	1.45	2.90	ug/kg dry	1	23.2	ND	90	47-132%	0.4	30%	
Benzo(g,h,i)perylene	23.0	1.45	2.90	ug/kg dry	1	23.2	2.03	90	43-134%	10	30%	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
--	---	---

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>												
<b>Sediment</b>												
<b>Matrix Spike Dup (1012490-MSD1)</b> <span style="float: right;">Prepared: 01/05/21 07:43 Analyzed: 01/06/21 03:31</span> <span style="float: right;">H-08</span>												
<b>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</b>												
Chrysene	22.1	1.45	2.90	ug/kg dry	1	23.2	1.89	87	50-124%	4	30%	
Dibenz(a,h)anthracene	17.7	1.45	2.90	ug/kg dry	1	23.2	ND	76	45-134%	4	30%	
Fluoranthene	26.2	1.45	2.90	ug/kg dry	1	23.2	3.52	97	50-127%	4	30%	
Fluorene	21.5	1.45	2.90	ug/kg dry	1	23.2	ND	92	43-125%	5	30%	
Indeno(1,2,3-cd)pyrene	21.5	1.45	2.90	ug/kg dry	1	23.2	1.69	85	45-133%	8	30%	
2-Methylnaphthalene	21.5	1.45	2.90	ug/kg dry	1	23.2	ND	92	38-122%	9	30%	
Naphthalene	19.8	1.45	2.90	ug/kg dry	1	23.2	ND	85	35-123%	10	30%	
Phenanthrene	26.3	1.45	2.90	ug/kg dry	1	23.2	5.26	90	50-121%	8	30%	
Pyrene	26.8	1.45	2.90	ug/kg dry	1	23.2	4.78	95	47-127%	15	30%	
Pentachlorophenol (PCP)	96.6	14.5	29.0	ug/kg dry	1	58.1	ND	<b>166</b>	<b>25-133%</b>	4	30%	Q-01
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 78 % Limits: 44-120 % Dilution: 1x</i>												
<i>p-Terphenyl-d14 (Surr) 90 % 54-127 % "</i>												
<i>2,4,6-Tribromophenol (Surr) 120 % 39-132 % "</i>												

<b>Matrix Spike Dup (1012490-MSD2)</b> <span style="float: right;">Prepared: 01/05/21 07:43 Analyzed: 01/06/21 05:02</span> <span style="float: right;">H-08</span>												
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>EPA 8270E</b>												
Acenaphthene	23.3	1.70	3.39	ug/kg dry	1	27.1	ND	86	40-123%	0.8	30%	
Acenaphthylene	23.8	1.70	3.39	ug/kg dry	1	27.1	ND	88	32-132%	0.6	30%	
Anthracene	25.3	1.70	3.39	ug/kg dry	1	27.1	ND	93	47-123%	1	30%	
Benz(a)anthracene	24.7	1.70	3.39	ug/kg dry	1	27.1	3.77	77	49-126%	2	30%	
Benzo(a)pyrene	25.4	1.70	3.39	ug/kg dry	1	27.1	6.64	69	45-129%	1	30%	
Benzo(b)fluoranthene	24.6	1.70	3.39	ug/kg dry	1	27.1	5.62	70	45-132%	1	30%	
Benzo(k)fluoranthene	23.8	1.70	3.39	ug/kg dry	1	27.1	2.01	80	47-132%	3	30%	
Benzo(g,h,i)perylene	22.5	1.70	3.39	ug/kg dry	1	27.1	5.47	63	43-134%	2	30%	
Chrysene	23.7	1.70	3.39	ug/kg dry	1	27.1	4.28	72	50-124%	2	30%	
Dibenz(a,h)anthracene	20.4	1.70	3.39	ug/kg dry	1	27.1	ND	75	45-134%	0.03	30%	
Fluoranthene	26.5	1.70	3.39	ug/kg dry	1	27.1	7.05	72	50-127%	0.6	30%	
Fluorene	24.9	1.70	3.39	ug/kg dry	1	27.1	ND	92	43-125%	1	30%	
Indeno(1,2,3-cd)pyrene	21.9	1.70	3.39	ug/kg dry	1	27.1	4.54	64	45-133%	0.8	30%	
2-Methylnaphthalene	25.1	1.70	3.39	ug/kg dry	1	27.1	ND	92	38-122%	2	30%	
Naphthalene	22.1	1.70	3.39	ug/kg dry	1	27.1	2.25	73	35-123%	0.08	30%	
Phenanthrene	23.7	1.70	3.39	ug/kg dry	1	27.1	4.22	72	50-121%	2	30%	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012490 - EPA 3546</b>						<b>Sediment</b>						
<b>Matrix Spike Dup (1012490-MSD2)</b>						Prepared: 01/05/21 07:43 Analyzed: 01/06/21 05:02						<b>H-08</b>
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
Pyrene	22.4	1.70	3.39	ug/kg dry	1	27.1	7.71	54	47-127%	5	30%	
Pentachlorophenol (PCP)	121	17.0	33.9	ug/kg dry	1	67.8	ND	<b>178</b>	<b>25-133%</b>	5	30%	Q-01
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>127 %</i>		<i>39-132 %</i>		<i>"</i>						

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503-718-2323  
ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012493 - EPA 3546</b>												
<b>Sediment</b>												
<b>Blank (1012493-BLK1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/05/21 23:58												
<u>EPA 8270E</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>91 %</i>		<i>54-127 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>111 %</i>		<i>39-132 %</i>		<i>"</i>						

<b>LCS (1012493-BS1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/06/21 00:28												
<u>EPA 8270E</u>												
Acenaphthene	18.1	1.25	2.50	ug/kg wet	1	20.0	---	91	40-123%	---	---	
Acenaphthylene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	32-132%	---	---	
Anthracene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	47-123%	---	---	
Benz(a)anthracene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	49-126%	---	---	
Benzo(a)pyrene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	95	45-129%	---	---	
Benzo(b)fluoranthene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	45-132%	---	---	
Benzo(k)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	92	47-132%	---	---	
Benzo(g,h,i)perylene	17.0	1.25	2.50	ug/kg wet	1	20.0	---	85	43-134%	---	---	
Chrysene	18.2	1.25	2.50	ug/kg wet	1	20.0	---	91	50-124%	---	---	

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012493 - EPA 3546</b>												
<b>Sediment</b>												
<b>LCS (1012493-BS1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/06/21 00:28												
Dibenz(a,h)anthracene	16.4	1.25	2.50	ug/kg wet	1	20.0	---	82	45-134%	---	---	
Fluoranthene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	50-127%	---	---	
Fluorene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	96	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	45-133%	---	---	
2-Methylnaphthalene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	38-122%	---	---	
Naphthalene	17.5	1.25	2.50	ug/kg wet	1	20.0	---	87	35-123%	---	---	
Phenanthrene	17.5	1.25	2.50	ug/kg wet	1	20.0	---	88	50-121%	---	---	
Pyrene	16.6	1.25	2.50	ug/kg wet	1	20.0	---	83	47-127%	---	---	
Pentachlorophenol (PCP)	69.3	12.5	25.0	ug/kg wet	1	50.0	---	<b>139</b>	<b>25-133%</b>	---	---	Q-29
Surr: 2-Fluorobiphenyl (Surr) Recovery: 88 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 90 % 54-127 % "												
2,4,6-Tribromophenol (Surr) 121 % 39-132 % "												

<b>Duplicate (1012493-DUP1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/06/21 01:29												
<b>H-08</b>												
<b>QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>												
<b>EPA 8270E</b>												
Acenaphthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Fluorene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	<b>2.74</b>	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	<b>30%</b>	Q-05, J
Pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Pentachlorophenol (PCP)	ND	16.5	33.1	ug/kg dry	1	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director



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**Apex Laboratories, LLC**

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

ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Semivolatile Organic Compounds by EPA 8270E**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012493 - EPA 3546</b>												
<b>Sediment</b>												
<b>Duplicate (1012493-DUP1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/06/21 01:29												
<b>QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>												
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
			Recovery: 68 %	Limits: 44-120 %		Dilution: 1x						
			75 %	54-127 %		"						
			110 %	39-132 %		"						

<b>Matrix Spike (1012493-MS1)</b>												
Prepared: 01/05/21 07:44 Analyzed: 01/06/21 01:59												
<b>QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>												
<b>EPA 8270E</b>												
Acenaphthene	22.8	1.66	3.32	ug/kg dry	1	26.6	ND	86	40-123%	---	---	
Acenaphthylene	23.9	1.66	3.32	ug/kg dry	1	26.6	ND	90	32-132%	---	---	
Anthracene	24.3	1.66	3.32	ug/kg dry	1	26.6	ND	92	47-123%	---	---	
Benz(a)anthracene	24.7	1.66	3.32	ug/kg dry	1	26.6	ND	93	49-126%	---	---	
Benzo(a)pyrene	24.2	1.66	3.32	ug/kg dry	1	26.6	ND	91	45-129%	---	---	
Benzo(b)fluoranthene	24.8	1.66	3.32	ug/kg dry	1	26.6	ND	93	45-132%	---	---	
Benzo(k)fluoranthene	23.7	1.66	3.32	ug/kg dry	1	26.6	ND	89	47-132%	---	---	
Benzo(g,h,i)perylene	23.6	1.66	3.32	ug/kg dry	1	26.6	ND	89	43-134%	---	---	
Chrysene	23.5	1.66	3.32	ug/kg dry	1	26.6	ND	89	50-124%	---	---	
Dibenz(a,h)anthracene	20.2	1.66	3.32	ug/kg dry	1	26.6	ND	76	45-134%	---	---	
Fluoranthene	26.1	1.66	3.32	ug/kg dry	1	26.6	ND	98	50-127%	---	---	
Fluorene	24.2	1.66	3.32	ug/kg dry	1	26.6	ND	91	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	22.1	1.66	3.32	ug/kg dry	1	26.6	ND	83	45-133%	---	---	
2-Methylnaphthalene	22.3	1.66	3.32	ug/kg dry	1	26.6	ND	84	38-122%	---	---	
Naphthalene	21.2	1.66	3.32	ug/kg dry	1	26.6	ND	80	35-123%	---	---	
Phenanthrene	23.1	1.66	3.32	ug/kg dry	1	26.6	ND	87	50-121%	---	---	
Pyrene	23.8	1.66	3.32	ug/kg dry	1	26.6	ND	89	47-127%	---	---	
Pentachlorophenol (PCP)	116	16.6	33.2	ug/kg dry	1	66.4	ND	<b>175</b>	<b>25-133%</b>	---	---	Q-01
<i>Surr: 2-Fluorobiphenyl (Surr)</i>												
			Recovery: 81 %	Limits: 44-120 %		Dilution: 1x						
			89 %	54-127 %		"						
			123 %	39-132 %		"						

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AMENDED REPORT

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012850 - EPA 3051A</b>												
<b>Sediment</b>												
<b>Blank (1012850-BLK1)</b>												
						Prepared: 01/13/21 14:49 Analyzed: 01/14/21 13:36						
<u>EPA 6020B</u>												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Cadmium	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Chromium	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Copper	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Lead	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Manganese	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Vanadium	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Zinc	ND	0.962	1.92	mg/kg wet	5	---	---	---	---	---	---	
<b>LCS (1012850-BS1)</b>												
						Prepared: 01/13/21 14:49 Analyzed: 01/14/21 13:41						
<u>EPA 6020B</u>												
Arsenic	24.3	0.240	0.481	mg/kg wet	5	24.0	---	101	80-120%	---	---	
Cadmium	23.8	0.0481	0.0962	mg/kg wet	5	24.0	---	99	80-120%	---	---	
Chromium	24.8	0.240	0.481	mg/kg wet	5	24.0	---	103	80-120%	---	---	
Copper	25.9	0.481	0.962	mg/kg wet	5	24.0	---	108	80-120%	---	---	
Lead	25.1	0.0481	0.0962	mg/kg wet	5	24.0	---	105	80-120%	---	---	
Manganese	24.9	0.240	0.481	mg/kg wet	5	24.0	---	104	80-120%	---	---	
Vanadium	25.2	0.481	0.962	mg/kg wet	5	24.0	---	105	80-120%	---	---	
Zinc	25.0	0.962	1.92	mg/kg wet	5	24.0	---	104	80-120%	---	---	
<b>Matrix Spike (1012850-MS1)</b>												
						Prepared: 01/13/21 14:49 Analyzed: 01/14/21 14:58						
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>												
<u>EPA 6020B</u>												
Arsenic	36.5	0.332	0.665	mg/kg dry	5	33.2	3.52	99	75-125%	---	---	
Cadmium	32.8	0.0665	0.133	mg/kg dry	5	33.2	0.0825	98	75-125%	---	---	
Chromium	56.6	0.332	0.665	mg/kg dry	5	33.2	22.6	102	75-125%	---	---	
Copper	56.9	0.665	1.33	mg/kg dry	5	33.2	22.4	104	75-125%	---	---	
Lead	36.2	0.0665	0.133	mg/kg dry	5	33.2	3.41	99	75-125%	---	---	
Manganese	325	0.332	0.665	mg/kg dry	5	33.2	287	116	75-125%	---	---	
Vanadium	123	0.665	1.33	mg/kg dry	5	33.2	88.3	103	75-125%	---	---	
Zinc	91.8	1.33	2.66	mg/kg dry	5	33.2	57.8	102	75-125%	---	---	
<b>Matrix Spike Dup (1012850-MSD1)</b>												
						Prepared: 01/13/21 14:49 Analyzed: 01/14/21 15:03						

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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Total Metals by EPA 6020B (ICPMS)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012850 - EPA 3051A</b>						<b>Sediment</b>						
<b>Matrix Spike Dup (1012850-MSD1)</b>						Prepared: 01/13/21 14:49 Analyzed: 01/14/21 15:03						
<b>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</b>												
<b>EPA 6020B</b>												
Arsenic	38.9	0.337	0.674	mg/kg dry	5	33.7	3.52	105	75-125%	6	20%	
Cadmium	35.7	0.0674	0.135	mg/kg dry	5	33.7	0.0825	106	75-125%	8	20%	
Chromium	62.9	0.337	0.674	mg/kg dry	5	33.7	22.6	120	75-125%	10	20%	
Copper	63.3	0.674	1.35	mg/kg dry	5	33.7	22.4	121	75-125%	11	20%	
Lead	40.8	0.0674	0.135	mg/kg dry	5	33.7	3.41	111	75-125%	12	20%	
Manganese	386	0.337	0.674	mg/kg dry	5	33.7	287	<b>294</b>	<b>75-125%</b>	17	20%	Q-03, Q-04
Vanadium	135	0.674	1.35	mg/kg dry	5	33.7	88.3	<b>139</b>	<b>75-125%</b>	10	20%	Q-04
Zinc	99.3	1.35	2.70	mg/kg dry	5	33.7	57.8	123	75-125%	8	20%	

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110510 - ASTM D7511-12mod (S)</b>						<b>Soil</b>						
<b>Blank (0110510-BLK2)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/18/20 11:50									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
<b>LCS (0110510-BS2)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/18/20 11:52									
<u>D7511-12</u>												
Total Cyanide	0.443	0.0500	0.100	mg/kg wet	1	0.400	---	111	84-116%	---	---	
<b>Matrix Spike (0110510-MS2)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/17/20 18:50									
<u>QC Source Sample: Non-SDG (A0K0477-35)</u>												
<u>D7511-12</u>												
Total Cyanide	0.254	0.0569	0.114	mg/kg dry	1	0.455	ND	56	64-136%	---	---	Q-04
<b>Matrix Spike (0110510-MS3)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/18/20 12:04									
<u>QC Source Sample: Non-SDG (A0K0477-13RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	0.121	0.0672	0.134	mg/kg dry	1	0.537	ND	22	64-136%	---	---	Q-01, Q-16, J
<b>Matrix Spike Dup (0110510-MSD2)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/17/20 18:54									
<u>QC Source Sample: Non-SDG (A0K0477-35)</u>												
Total Cyanide	0.239	0.0564	0.113	mg/kg dry	1	0.451	ND	53	64-136%	6	47%	Q-04
<b>Matrix Spike Dup (0110510-MSD3)</b>			Prepared: 11/13/20 16:38 Analyzed: 11/18/20 12:06									
<u>QC Source Sample: Non-SDG (A0K0477-13RE1)</u>												
Total Cyanide	0.110	0.0667	0.133	mg/kg dry	1	0.533	ND	21	64-136%	10	47%	Q-01, Q-16, J

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110520 - ASTM D7511-12mod (S)</b>						<b>Soil</b>						
<b>Blank (0110520-BLK1)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 11:53									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
<b>LCS (0110520-BS1)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 11:55									
<u>D7511-12</u>												
Total Cyanide	0.435	0.0500	0.100	mg/kg wet	1	0.400	---	109	84-116%	---	---	
<b>Matrix Spike (0110520-MS1)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 12:01									
<u>QC Source Sample: Non-SDG (A0K0339-09RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	0.365	0.0497	0.0994	mg/kg wet	1	0.398	ND	92	64-136%	---	---	
<b>Matrix Spike (0110520-MS2)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 12:38									
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>												
<u>D7511-12</u>												
Total Cyanide	0.452	0.0656	0.131	mg/kg dry	1	0.525	ND	86	64-136%	---	---	
<b>Matrix Spike Dup (0110520-MSD1)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 12:03									
<u>QC Source Sample: Non-SDG (A0K0339-09RE1)</u>												
Total Cyanide	0.343	0.0491	0.0982	mg/kg wet	1	0.393	ND	87	64-136%	6	47%	
<b>Matrix Spike Dup (0110520-MSD2)</b>			Prepared: 11/14/20 08:42 Analyzed: 11/14/20 12:40									
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>												
<u>D7511-12</u>												
Total Cyanide	0.476	0.0675	0.135	mg/kg dry	1	0.540	ND	88	64-136%	5	47%	

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Demand Parameters**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012499 - PSEP-5310B TOC</b>						<b>Soil</b>						
<b>Blank (1012499-BLK1)</b>			Prepared: 01/05/21 09:25 Analyzed: 01/06/21 15:57									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	ND	---	0.020	% by Weight wet	1	---	---	---	---	---	---	
<b>LCS (1012499-BS1)</b>			Prepared: 01/05/21 09:25 Analyzed: 01/06/21 16:07									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	9000	---		mg/kg	1	10000	---	90	88-111%	---	---	
<b>Duplicate (1012499-DUP1)</b>			Prepared: 01/05/21 09:25 Analyzed: 01/06/21 16:50									
<u>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	<b>0.045</b>	---	0.024	% by Weight dry	1	---	0.046	---	---	2	27%	
<b>Duplicate (1012499-DUP2)</b>			Prepared: 01/05/21 09:25 Analyzed: 01/06/21 17:01									
<u>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	<b>0.050</b>	---	0.024	% by Weight dry	1	---	0.046	---	---	7	27%	
<b>Duplicate (1012499-DUP3)</b>			Prepared: 01/05/21 09:25 Analyzed: 01/06/21 19:32									
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	<b>0.10</b>	---	0.027	% by Weight dry	1	---	0.059	---	---	55	27%	Q-04

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**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 0110543 - Total Solids (SM2540G/PSEP)</b>						<b>Sediment</b>						
<b>Duplicate (0110543-DUP1)</b>						Prepared: 11/16/20 10:54 Analyzed: 11/18/20 19:08						
<u>QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)</u>												
<u>SM 2540 G</u>												
Total Solids	83.5	---	1.00	%	1	---	83.8	---	---	0.3	10%	
<b>Duplicate (0110543-DUP2)</b>						Prepared: 11/16/20 10:54 Analyzed: 11/18/20 19:08						
<u>QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)</u>												
<u>SM 2540 G</u>												
Total Solids	73.4	---	1.00	%	1	---	73.6	---	---	0.2	10%	

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--	---	---

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1012592 - Total Solids (SM2540G/PSEP)</b>						<b>Soil</b>						
<b>Duplicate (1012592-DUP1)</b>						Prepared: 01/06/21 14:43 Analyzed: 01/07/21 13:54						
<b>QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)</b>												
<b>SM 2540 G</b>												
Total Solids	73.2	---	1.00	%	1	---	73.8	---	---	0.8	10%	

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--	---	---

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Solid and Moisture Determinations**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 1080538 - Total Solids (SM2540G/PSEP)</b>						<b>Sediment</b>						
<b>Duplicate (1080538-DUP1)</b>						Prepared: 08/17/21 17:16 Analyzed: 08/17/21 17:16						
<u>QC Source Sample: Non-SDG (A1H0417-24)</u>												
Total Solids	1.82	---	1.00	%	1	---	1.82	---	---	0.003	10%	
<b>Duplicate (1080538-DUP2)</b>						Prepared: 08/17/21 17:16 Analyzed: 08/17/21 17:16						
<u>QC Source Sample: Non-SDG (A1H0501-46)</u>												
Total Solids	60.3	---	1.00	%	1	---	60.5	---	---	0.3	10%	

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**SAMPLE PREPARATION INFORMATION**

**Selected Volatile Organic Compounds by EPA 8260D**

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110532</u>							
A0K0482-06	WQ	EPA 8260D	11/10/20 12:16	11/16/20 10:13	5mL/5mL	5mL/5mL	1.00

**Selected Volatile Organic Compounds by EPA 5035A/8260D**

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110632</u>							
A0K0482-07	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.75g/5mL	5g/5mL	0.87
A0K0482-08	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.18g/5mL	5g/5mL	0.97
A0K0482-09	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.76g/5mL	5g/5mL	0.87
A0K0482-10	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	4.99g/5mL	5g/5mL	1.00
A0K0482-15	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	4.49g/5mL	5g/5mL	1.11
<u>Batch: 0110717</u>							
A0K0482-16RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	6g/5mL	5g/5mL	0.83
A0K0482-17RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.37g/5mL	5g/5mL	0.93
A0K0482-18RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	4.72g/5mL	5g/5mL	1.06
A0K0482-19RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.36g/5mL	5g/5mL	0.93
A0K0482-20RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	6.3g/5mL	5g/5mL	0.79
<u>Batch: 0110771</u>							
A0K0482-21	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.81g/5mL	5g/5mL	0.86
A0K0482-22	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.76g/5mL	5g/5mL	0.87

**Polychlorinated Biphenyls by EPA 8082A**

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 1012827</u>							
A0K0482-01	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.76g/2mL	10g/2mL	0.93
A0K0482-02	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.92g/2mL	10g/2mL	0.92
A0K0482-03	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.34g/2mL	10g/2mL	0.97
A0K0482-04	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.62g/2mL	10g/2mL	0.94
A0K0482-05	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.79g/2mL	10g/2mL	0.93
A0K0482-10	SE	EPA 8082A	11/10/20 11:55	01/13/21 10:20	10.96g/2mL	10g/2mL	0.91
A0K0482-11	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.29g/2mL	10g/2mL	0.97
A0K0482-12	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.97g/2mL	10g/2mL	0.91

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

**ORELAP ID: OR100062**

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**SAMPLE PREPARATION INFORMATION**

**Polychlorinated Biphenyls by EPA 8082A**

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0482-13	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.99g/2mL	10g/2mL	0.91
A0K0482-14	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.71g/2mL	10g/2mL	0.93
A0K0482-18	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	11g/2mL	10g/2mL	0.91
A0K0482-19	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.24g/2mL	10g/2mL	0.98
A0K0482-20	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.58g/2mL	10g/2mL	0.95
A0K0482-21	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.71g/2mL	10g/2mL	0.93
A0K0482-22	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.32g/2mL	10g/2mL	0.97

**Organochlorine Pesticides by EPA 8081B**

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012907							
A0K0482-01RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.6g/10mL	10g/5mL	1.89
A0K0482-02RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.16g/10mL	10g/5mL	1.97
A0K0482-03RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.27g/10mL	10g/5mL	1.95
A0K0482-04RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-04RE2	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-05RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-05RE2	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-10RE1	SE	EPA 8081B	11/10/20 11:55	01/06/21 11:23	10.67g/10mL	10g/5mL	1.87
A0K0482-10RE2	SE	EPA 8081B	11/10/20 11:55	01/06/21 11:23	10.67g/10mL	10g/5mL	1.87
A0K0482-11RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.63g/10mL	10g/5mL	1.88
A0K0482-11RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.63g/10mL	10g/5mL	1.88
A0K0482-12RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.13g/10mL	10g/5mL	1.97
A0K0482-12RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.13g/10mL	10g/5mL	1.97
A0K0482-13RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.29g/10mL	10g/5mL	1.94
A0K0482-13RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.29g/10mL	10g/5mL	1.94
A0K0482-14RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-14RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-18RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.77g/10mL	10g/5mL	1.86
A0K0482-18RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.77g/10mL	10g/5mL	1.86
A0K0482-19RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.61g/10mL	10g/5mL	1.89
A0K0482-19RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.61g/10mL	10g/5mL	1.89
A0K0482-20RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-20RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-21RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91

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ANALYTICAL REPORT

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**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**SAMPLE PREPARATION INFORMATION**

**Organochlorine Pesticides by EPA 8081B**

Prep: EPA 3546/3640A (GPC)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A0K0482-21RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-22RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.33g/10mL	10g/5mL	1.94
A0K0482-22RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.33g/10mL	10g/5mL	1.94

**Semivolatile Organic Compounds by EPA 8270E**

Prep: EPA 3546					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 1012490</u>							
A0K0482-01	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.61g/5mL	10g/5mL	0.94
A0K0482-02	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.11g/5mL	10g/5mL	0.99
A0K0482-03	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.28g/5mL	10g/5mL	0.97
A0K0482-04	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.43g/5mL	10g/5mL	0.96
A0K0482-05	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.08g/5mL	10g/5mL	0.99
A0K0482-07	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.45g/5mL	10g/5mL	0.96
A0K0482-08	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.35g/5mL	10g/5mL	0.97
A0K0482-09	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.47g/5mL	10g/5mL	0.96
A0K0482-10	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.06g/5mL	10g/5mL	0.99
A0K0482-11	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.49g/5mL	10g/5mL	0.95
A0K0482-12	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.16g/5mL	10g/5mL	0.98
A0K0482-13	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.51g/5mL	10g/5mL	0.95
A0K0482-14	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.5g/5mL	10g/5mL	0.95
A0K0482-14RE1	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.5g/5mL	10g/5mL	0.95
A0K0482-15	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.63g/5mL	10g/5mL	0.94
A0K0482-16	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.52g/5mL	10g/5mL	0.95
A0K0482-17	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.24g/5mL	10g/5mL	0.98
A0K0482-18	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.43g/5mL	10g/5mL	0.96
A0K0482-19	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.25g/5mL	10g/5mL	0.98
A0K0482-20	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.26g/5mL	10g/5mL	0.98
A0K0482-21	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.01g/5mL	10g/5mL	1.00
<u>Batch: 1012493</u>							
A0K0482-22	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:44	10.36g/5mL	10g/5mL	0.97

**Total Metals by EPA 6020B (ICPMS)**

Prep: EPA 3051A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Anchor QEA, LLC**

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

**Report ID:**

**A0K0482 - 09 09 21 0654**

**SAMPLE PREPARATION INFORMATION**

**Total Metals by EPA 6020B (ICPMS)**

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 1012850</u>							
A0K0482-07	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.493g/50mL	0.5g/50mL	1.01
A0K0482-08	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.497g/50mL	0.5g/50mL	1.01
A0K0482-09	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.508g/50mL	0.5g/50mL	0.98
A0K0482-10	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.498g/50mL	0.5g/50mL	1.00
A0K0482-15	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.501g/50mL	0.5g/50mL	1.00
A0K0482-16	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.498g/50mL	0.5g/50mL	1.00
A0K0482-17	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.49g/50mL	0.5g/50mL	1.02
A0K0482-18	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.519g/50mL	0.5g/50mL	0.96
A0K0482-19	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.484g/50mL	0.5g/50mL	1.03
A0K0482-20	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.481g/50mL	0.5g/50mL	1.04
A0K0482-21	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.501g/50mL	0.5g/50mL	1.00
A0K0482-22	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.506g/50mL	0.5g/50mL	0.99

**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection**

Prep: ASTM D7511-12mod (S)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110510</u>							
A0K0482-07	SE	D7511-12	11/10/20 11:55	11/13/20 16:38	2.542g/50mL	2.5g/50mL	0.98
A0K0482-08	SE	D7511-12	11/10/20 11:55	11/13/20 16:38	2.5779g/50mL	2.5g/50mL	0.97
<u>Batch: 0110520</u>							
A0K0482-09	SE	D7511-12	11/10/20 11:55	11/14/20 08:42	2.5331g/50mL	2.5g/50mL	0.99
A0K0482-10	SE	D7511-12	11/10/20 11:55	11/14/20 08:42	2.5309g/50mL	2.5g/50mL	0.99
A0K0482-15RE1	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5202g/50mL	2.5g/50mL	0.99
A0K0482-16	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5338g/50mL	2.5g/50mL	0.99
A0K0482-17	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5521g/50mL	2.5g/50mL	0.98
A0K0482-18	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5073g/50mL	2.5g/50mL	1.00
A0K0482-19	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5325g/50mL	2.5g/50mL	0.99
A0K0482-20	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5034g/50mL	2.5g/50mL	1.00
A0K0482-21	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5416g/50mL	2.5g/50mL	0.98
A0K0482-22	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5884g/50mL	2.5g/50mL	0.97

**Demand Parameters**

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**SAMPLE PREPARATION INFORMATION**

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 1012499</u>							
A0K0482-01	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-02	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-03	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-04	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-05	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-10	SE	PSEP_SM 5310B MOD	11/10/20 11:55	01/05/21 09:25			NA
A0K0482-11	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-12	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-13	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-14	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-18	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-19	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-20	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-21	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-22	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0110543</u>							
A0K0482-01	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-02	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-03	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-04	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA

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Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

**Report ID:**

**A0K0482 - 09 09 21 0654**

**SAMPLE PREPARATION INFORMATION**

**Solid and Moisture Determinations**

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0482-05	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-08	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-09	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-10	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-11	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-12	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-13	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-14	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-15	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-16	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-17	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-18	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-19	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-20	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-21	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
<u>Batch: 1012592</u>							
A0K0482-22	SE	SM 2540 G	11/10/20 09:05	01/06/21 14:43			NA
<u>Batch: 1080538</u>							
A0K0482-07RE1	SE	SM 2540 G	11/10/20 11:55	08/17/21 17:16			NA

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**QUALIFIER DEFINITIONS**

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

**Apex Laboratories**

- AMEND** Result for this sample or analyte has been amended from the original report. See Case Narrative for details.
- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- H-08** Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- P-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- P-12** Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-03** Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- Q-29** Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Q-37** Sample is non-homogenous. Sample results are less than MRL and duplicate results have hits greater than the MRL. See Duplicate results.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- S-06** Surrogate recovery is outside of established control limits.
- V-15** Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

Apex Laboratories

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b>
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**REPORTING NOTES AND CONVENTIONS:**

**Abbreviations:**

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

**Detection Limits: Limit of Detection (LOD)**

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

**Reporting Limits: Limit of Quantitation (LOQ)**

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

**Reporting Conventions:**

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

**QC Source:**

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.  
  
Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

**Miscellaneous Notes:**

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

**Blanks:**

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to 1/2 the Reporting Limit (RL).  
-For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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

Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A0K0482 - 09 09 21 0654)

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

Handwritten signature of Darwin Thomas

Darwin Thomas, Business Development Director

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> A0K0482 - 09 09 21 0654
--	---	--

**LABORATORY ACCREDITATION INFORMATION**

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

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

**Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

**Secondary Accreditations**

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

**Subcontract Laboratory Accreditations**

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

**Field Testing Parameters**

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

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

**Anchor QEA, LLC** Project: **US Moorings – C2, C3, C4**  
6720 SW Macadam Ave. Suite 125 Project Number: [none]  
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**  
**A0K0482 - 09 09 21 0654**

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

**Anchor QEA LLC** 1201 3rd Avenue, Suite 300, Seattle, WA 98101  
**POC:** Delaney Peterson (360-715-2707) Project: Gasco/Siltronic: US Moorings  
 1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural

COC ID: **A0K0482**  
 APEX-2020110-153131  
 Sample Custodian: **CO**  
 Lab: **Apex**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
001	USMPDI-003SC-A-01-02-20110	N	SE	11/10/2020 12:15	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270E SW8082A SM2540G	30	4°C
002	USMPDI-003SC-A-02-02-20110	N	SE	11/10/2020 12:15	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270E SW8082A SM2540G	30	4°C
003	USMPDI-003SC-A-03-04-20110	N	SE	11/10/2020 12:15	2	<input checked="" type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270E SW8082A SM2540G	30	4°C
004	USMPDI-003SC-A-04-05-20110	N	SE	11/10/2020 12:15	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH	SM6310B SW8081B SW8270E	30	4°C

Comment:

Requested By	Received By	Requested By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <b>Charles H. Hahn</b>	Print Name: <b>Charles H. Hahn</b>	Print Name: <b>Charles H. Hahn</b>	Print Name: <b>Charles H. Hahn</b>
Company: <b>Apex</b>	Company: <b>Apex</b>	Company: <b>Apex</b>	Company: <b>Apex</b>
Date/Time: <b>11/10/20 1330</b>	Date/Time: <b>11/10/20 1330</b>	Date/Time: <b>11/10/20 1330</b>	Date/Time: <b>11/10/20 1330</b>

Date Printed: 11/10/2020

\* Lab OC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 1 of 8

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Darwin Thomas, Business Development Director

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**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

**Anchor QEA, LLC** Project: **US Moorings – C2, C3, C4**  
6720 SW Macadam Ave. Suite 125 Project Number: [none]  
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**  
**A0K0482 - 09 09 21 0654**

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

**Anchor QEA**  
 1201 3rd Avenue, Suite 2000, Seattle, WA 98101  
 POC: Delaney Peterson (360-715-2707) Project: Gasco/Siltomic: US Moorings  
 1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural

COC ID: **ROK04152**  
 APEX-20201110-163131  
 Sample Custodian: CO  
 Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Lab QC	Test Request	Method	TAT**	Preservative
004	USMPDI-003SC-A-04-05-201110	N	SE	11/10/2020	12:15	1	1	<input type="checkbox"/>	PCB Aroclors Total solids (APEX)	SW8082A SM2540G	30	4°C
005	USMPDI-1003SC-A-01-02-201110	FD	SE	11/10/2020		1	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30	4°C
006	SC-TB-201101216	TB	WQ	11/10/2020	12:16	2	2	<input type="checkbox"/>	VOCs (QAPP C-4)	SW8260C	30	4°C
007	USMPDI-003SC-B-00-02-201110	N	SE	11/10/2020	11:55	3	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30	4°C
008	USMPDI-003SC-B-02-04-201110	N	SE	11/10/2020	11:55	3	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4)	D7511-12 SW6020A SW8270D	30	4°C

  

Relinquished By:	Relinquished By:	Relinquished By:	Relinquished By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <i>James Peterson</i>	Print Name: <i>Chris Hillman</i>	Print Name: <i>Chris Hillman</i>	Print Name: <i>Chris Hillman</i>
Company: <i>Apex</i>	Company: <i>Apex</i>	Company: <i>Apex</i>	Company: <i>Apex</i>
Date/Time: <i>11/10/20 0930</i>	Date/Time: <i>11/10/20 1330</i>	Date/Time: <i>11/10/20 1330</i>	Date/Time: <i>11/10/20 1330</i>

Comment:  
 Date Printed: 11/10/2020  
 \* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 2 of 8

Apex Laboratories

*[Signature]*

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125

Portland, OR 97219

Project: US Moorings - C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0K0482 - 09 09 21 0654

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: Delaney Peterson (360-715-2707)

Project: GascoSilttronic: US Moorings

Client: NW Natural

1605 Cornwell Avenue, Bellingham, WA 98225

COC ID: APEX-20201110-163131

Sample Custodian: CO

Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab # Containers	Lab QC	Test Request	Method	TAI**	Preservative
008	USMPDI-003SC-B-02-04-20110	N	SE	11/10/2020	11:55	3	<input type="checkbox"/>	Total solids (APEX) VOCs (QAPP C-4)	SM2540G SW8260C	30	4°C MeOH
009	USMPDI-003SC-B-04-06-20110	N	SE	11/10/2020	11:55	3	<input type="checkbox"/>	Cyanide Metals (QAPP C-4) SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SW6020A SW8270D SM2540G SW8260C	30	4°C 4°C 4°C MeOH
010	USMPDI-003SC-B-06-08-20110	N	SE	11/10/2020	11:55	4	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PAH PCB Aroclors SVOCs (QAPP C-4) Total solids (APEX) VOCs (QAPP C-4)	D7511-12 SM6310B SW8081B SW6020A SW8270E SW8082A SW8270D SM2540G SW8260C	30	4°C 4°C 4°C 4°C 4°C 4°C 4°C MeOH
011	USMPDI-006SC-A-01-02-20110	N	SE	11/10/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4)	SM6310B SW8081B	30	4°C 4°C

Requested By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
James Peterson	<i>James Peterson</i>	James Peterson	Apex	11/10/20 07:50	Charles Hoffman	<i>Charles Hoffman</i>	Charles Hoffman	Apex	11/10/20 13:30

Page 3 of 8

\* Lab QC Requested for sample when box is checked \*\* TAI = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

Apex Laboratories

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*Darwin Thomas*

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings – C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	Report ID: <b>A0K0482 - 09 09 21 0654</b>
--	--	--

**ANCHOR QEA**  
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

POC: Delaney Peterson (360-715-2707)  
1805 Cornwell Avenue, Bellingham, WA 98225

Project: GascoSiltomic, US Moorings  
Client: NW Natural

Lab: Apex

COC ID: **A0K0482**  
APEX-2020110-153131

Sample Custodian: CO

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab CC	Test Request	Method	TAT**	Preservative
011	USMPDI-066SC-A-01-02-20110	N	SE	11/10/2020	9:25	1	<input type="checkbox"/>	PAH PCB Aroclors Total solids (APEX)	SW8270E SW8082A SM2540G	30	4°C
012	USMPDI-066SC-A-02-03-20110	N	SE	11/10/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30	4°C
013	USMPDI-066SC-A-03-04-20110	N	SE	11/10/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30	4°C
014	USMPDI-066SC-A-04-05-20110	N	SE	11/10/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270E SW8082A SM2540G	30	4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Relinquished By	Signature	Print Name	Company	Date/Time
Delaney Peterson	<i>[Signature]</i>	Delaney Peterson	Apex	11/11/20 1330	Delaney Peterson	<i>[Signature]</i>	Delaney Peterson	Apex	11/11/20 1330

Date Printed: 11/10/2020

\* Lab CC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 4 of 8

Apex Laboratories

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*Delaney Peterson*

Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

**Anchor QEA, LLC** Project: **US Moorings – C2, C3, C4**  
6720 SW Macadam Ave. Suite 125 Project Number: [none]  
Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**  
**A0K0482 - 09 09 21 0654**

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

**ANCHOR QEA**  
1201 1/21st Avenue, Suite 2000, Seattle, WA 98101

**POC:** \* Delaney Peterson (360-715-2707) Project: GascoSiltronic: US Moorings  
1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural

COC ID: **APEX-20201110-163131**  
Sample Custodian: **CO**  
Lab: **Apex**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Lab OC	Test Request	Method	TAT**	Preservative
015	USMPDI-0065C-D-00-02-20110	N	SE	11/10/2020	9:05	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total Solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
016	USMPDI-0065C-D-04-06-20110	N	SE	11/10/2020	9:05	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total Solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
017	USMPDI-0065C-D-04-06-20110	N	SE	11/10/2020	9:05	3		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									Metals (QAPP C-4)	SW6020A	30	4°C
									SVOCs (QAPP C-4)	SW8270D	30	4°C
									Total Solids (APEX)	SM2540G	30	4°C
									VOCs (QAPP C-4)	SW8260C	30	MeOH
018	USMPDI-0065C-D-06-06-20110	N	SE	11/10/2020	9:05	4		<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
									TOC	SM5310B	30	4°C
									LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C

  

Requested By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
James McElroy	<i>[Signature]</i>	James McElroy	Apex	11/11/20 1330	Requested By				
Charles Hoffman	<i>[Signature]</i>	Charles Hoffman	Apex	11/11/20 1330	Requested By				

**Date Printed: 11/10/2020**

**Page 5 of 8**

Apex Laboratories

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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

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

Project: US Moorings - C2, C3, C4
Project Number: [none]
Project Manager: Delaney Peterson

Report ID:
A0K0482 - 09 09 21 0654

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY
COC ID: A0K0482
APEX-2020110-153131
Sample Custodian: CO Apex
Project: GascoSilttronic: US Moorings
Client: NW Natural
Matrix: SE
Collected Date: 11/10/2020 9:05
Lab # CC: 4
Field Sample ID: USMPDI-0065C-D-06-08-201110
Test Request: Metals (QAPP C-4), PAH, PCB Aroclors, SVOCs (QAPP C-4), Total Solids (APEX), VOCs (QAPP C-4)
Method: SW6020A, SW8270E, SW8082A, SW8270D, SM2540G, SW8260C
TAT: 30
Preservative: 4°C, MeOH

Table with columns: Requested By, Signature, Print Name, Company, Date/Time. Includes signatures and names of Delaney Peterson, James Meyer, and Apex.

\* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Apex Laboratories

Signature of Darwin Thomas

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Darwin Thomas, Business Development Director



**ANALYTICAL REPORT**

**AMENDED REPORT**

**Apex Laboratories, LLC**

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

**Anchor QEA, LLC** Project: **US Moorings – C2, C3, C4**  
 6720 SW Macadam Ave. Suite 125 Project Number: [none]  
 Portland, OR 97219 Project Manager: **Delaney Peterson** **Report ID:**  
**A0K0482 - 09 09 21 0654**

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

POC: \* Delaney Peterson (360-715-2707) Project: Gasco/Siltronic: US Moorings  
 1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural  
 COC ID: **A0K0482** Sample Custodian: **CO** Lab: **Apex**  
 APEX-2020110-153131

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
020	USMPDI-006SC-D-10-12-20110	N	SE	11/10/2020 9:05	4		<input type="checkbox"/>	PAH PCB Aroclors SVOCs (QAPP C-4) Total Solids (APEX) VOCs (QAPP C-4)	SW8270E SW8082A SW8270D SM2540G SW8260C	30	4°C
021	USMPDI-006SC-D-12-14-20110	N	SE	11/10/2020 9:05	10		<input checked="" type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PAH PCB Aroclors SVOCs (QAPP C-4) Total Solids (APEX) VOCs (QAPP C-4)	D7511-12 SM6310B SW8081B SW6020A SW8270E SW8082A SW8270D SM2540G SW8260C	30	4°C
022	USMPDI-1006SC-D-10-12-20110	FD	SE	11/10/2020	4		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Metals (QAPP C-4) PAH	D7511-12 SM6310B SW8081B SW6020A SW8270E	30	4°C

  

Received By	Relinquished By
Signature: <i>[Signature]</i> Print Name: <b>James Peterson</b> Company: <b>Apex</b> Date/Time: <b>11/10/20 09:05</b>	Signature: <i>[Signature]</i> Print Name: <b>Charles Hoffman</b> Company: <b>Apex</b> Date/Time: <b>11/10/20 13:30</b>

Comment:

Date Printed: 11/10/2020

\* Lab OC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 7 of 8

Apex Laboratories

*[Signature]*

Darwin Thomas, Business Development Director

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ANALYTICAL REPORT

AMENDED REPORT

**Apex Laboratories, LLC**

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

<p><b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219</p>	<p>Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b></p>	<p style="text-align: right;"><b>Report ID:</b> <b>A0K0482 - 09 09 21 0654</b></p>
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**Anchor QEA**  
1231 1/2 Avenue, Suite 200, Seattle, WA 98101

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

POC: \* Delaney Peterson (360-715-2707)      Project: GascoSIltronic: US Moorings      COC ID: **AP00082**  
1605 Cornwall Avenue, Bellingham, WA 98225      Client: NW Natural      Apex-20201110-163131

Sample Custodian: CO      Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Containers	Lab CC*	Test Request	Method	TAT**	Preservative
022	USMPDI-1006SC-D-10-12-20110	FD	SE	11/10/2020	4	<input type="checkbox"/>	PCB Aroclors	SW8082A	30	4°C
							SVOCs (QAPP C-4)	SW8270D	30	4°C
							Total Solids (APEX)	SM2540G	30	4°C
							VOCs (QAPP C-4)	SW8260C	30	MeOH

Received By: *[Signature]*      Signature: \_\_\_\_\_      Date/Time: **11/10/2020 1330**

Print Name: **Charles Hoffman**      Company: **Apex**

Received By: *[Signature]*      Signature: \_\_\_\_\_      Date/Time: \_\_\_\_\_

Print Name: \_\_\_\_\_      Company: \_\_\_\_\_

Date Printed: 11/10/2020

Page 8 of 8

Apex Laboratories

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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

Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Project: US Moorings -- C2, C3, C4
Project Number: [none]
Project Manager: Delaney Peterson
Report ID: A0K0482 - 09 09 21 0654

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0K0482

Project/Project #: Gasco's Ironil: US Moorings

Delivery Info:

Date/time received: 11/11/20 @ 1330 By: CFH

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

Cooler Inspection Date/time inspected: 11/11/20 @ 1425 By: CFH

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

Signed/dated by client? Yes X No

Signed/dated by Apex? Yes X No

Table with 7 columns: Cooler #1 to Cooler #7. Rows include Temperature (°C), Received on ice? (Y/N), Temp. blanks? (Y/N), Ice type: (Gel/Real/Other), and Condition.

Cooler out of temp? (Y/N) Possible reason why: If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No(NA)

Out of temperature samples form initiated? Yes/No(NA) Samples Inspection: Date/time inspected: 11/12/20 @ 1527 By: AKK

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes X No Comments: USMPDI-1003SC-A-01-02-20110 no T on COC, T on Cont. reads 1215. TB #2468. USMPDI-1006SC-D-10-12-20110

COC/container discrepancies form initiated? Yes No X

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

Do VOA vials have visible headspace? Yes No X NA

Comments:

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

Comments:

Additional information: no T on COC, T on Cont. reads 0905.

Labeled by: AKK Witness: BF Cooler Inspected by: AKK See Project Contact Form: Y

Darwin Thomas signature