

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 2205 E Belt St
 San Diego, CA 92113

 * RETURN REPORT *
 * by *
 * 15-NOV-2014 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 158542

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0158542-01 Date: N/A Time(s): N/A

24 hour composite

Sampler: N/A Description: N/A

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		N/A
Solids, Total Suspended	mg/L		N/A
Copper, Total	mg/L		N/A
Lead, Total	mg/L		N/A
Nickel, Total	mg/L		N/A
Zinc, Total	mg/L		N/A
Arsenic, Total	mg/L	5	N/A
Mercury, Total	mg/L	.2	N/A

Sample#: 0158542-02 Date: N/A Time(s): N/A

Evaluation only (no sample)

Sampler: N/A Description: N/A

Beginning Meter Read and Date	gals	10/27/2014	1,139,000
Ending Meter Read and Date	gals	10/31/2014	1,139,000
Average Flow/calendar day thru Connection	gpd		0
Imported Flow During Period	gals		0
Maximum gals/min thru meter	gpm	300	0
Minimum gals/min thru meter when discharging	gpm	50-	0

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Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
2205 E Belt St
San Diego, CA 92113

* RETURN REPORT *
* by *
* 15-NOV-2014 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 158542

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0158542-03 Date: N/A Time(s): N/A

Pesticide and PCB grab

Sampler: N/A Description: N/A

PCB's, Total ug/L 3 N/A

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

11-15-14

report due date

Oct 2014

monitoring period

Michael Palmer
Print Name

Project Coordinator
Title


Signature
(Attach to Industry Self-Monitoring Form)

11/7/14
Date

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
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Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 2205 E Belt St
 San Diego, CA 92113

 * RETURN REPORT *
 * by *
 * 15-DEC-2014 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 158704

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0158704-01 Date: N/A Time(s): N/A

24 hour composite

Sampler: N/A Description: N/A

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		N/A
Solids, Total Suspended	mg/L		N/A
Copper, Total	mg/L		N/A
Lead, Total	mg/L		N/A
Nickel, Total	mg/L		N/A
Zinc, Total	mg/L		N/A
Arsenic, Total	mg/L	5	N/A
Mercury, Total	mg/L	.2	N/A

Sample#: 0158704-02 Date: N/A Time(s): N/A

Evaluation only (no sample)

Sampler: N/A Description: N/A

Beginning Meter Read and Date	gals		11/01/2014	1,139,000
Ending Meter Read and Date	gals		11/30/2014	1,139,000
Average Flow/calendar day thru Connection	gpd			0
Imported Flow During Period	gals			0
Maximum gals/min thru meter	gpm	300		0
Minimum gals/min thru meter when discharging	gpm	50-		0

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
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Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
2205 E Belt St
San Diego, CA 92113

* RETURN REPORT *
* by *
* 15-DEC-2014 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 158704

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0158704-03 Date: N/A Time(s): N/A

Pesticide and PCB grab

Sampler: N/A Description: N/A

PCB's, Total ug/L 3 N/A

SELF MONITORING REPORT CERTIFICATION

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CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

12/15/14

report due date

November 2014

monitoring period

Michael A. Pelner

Print Name

Project Coordinator

Title

Michael A. Pelner

Signature

(Attach to Industry Self-Monitoring Form)

12/8/14

Date

INDUSTRY SELF MONITORING FORM

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Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 2205 E Belt St
 San Diego, CA 92113

 * RETURN REPORT *
 * by *
 * 15-JAN-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 159143

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage
 trucker traffic. Sample tank (SB7017) will be located closest to bay.
 Autosampler placed on the ground closest to sample tank manhole. Access
 sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0159143-01 Date: 12/10/2014 Time(s): 0820, 0910, 1010, 1100, 1200

24 hour composite

Sampler: N. Kennedy Description: clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		260
Solids, Total Suspended	mg/L		8.2
Copper, Total	mg/L		0.0348
Lead, Total	mg/L		0.0125
Nickel, Total	mg/L		0.0166
Zinc, Total	mg/L		0.0464
Arsenic, Total	mg/L	5	0.0154
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0159143-02 Date: 12/31/2014 Time(s): 0700

Evaluation only (no sample)

Sampler: N. Kennedy Description: clear water

Beginning Meter Read and Date	gals		12/01/2014	1,139,000
Ending Meter Read and Date	gals		12/31/2014	1,264,700
Average Flow/calendar day thru Connection	gpd			4,055
Imported Flow During Period	gals			125,700
Maximum gals/min thru meter	gpm	300		300
Minimum gals/min thru meter when discharging	gpm	50-		50

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Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
2205 E Belt St
San Diego, CA 92113

* RETURN REPORT *
* by *
* 15-JAN-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 159143

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0159143-03 Date: 12/10/2014 Time(s): 0820

Pesticide and PCB grab

Sampler: N. Kennedy Description: clear water

PCB's, Total ug/L 3 <0.48

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11 - 0564

facility number

4/15/15

report due date

Dec 2014

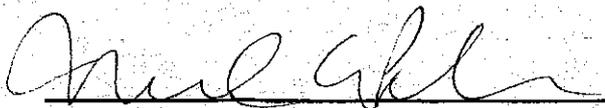
monitoring period

Michael Archer

Print Name

Project Coordinator

Title



Signature

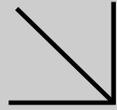
(Attach to Industry Self-Monitoring Form)

4/15/15

Date



Calscience



WORK ORDER NUMBER: 14-12-1036

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: San Diego Bay Environmental Restoration Fund

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
C/O de maximis, Inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Danielle Gonsman

Approved for release on 12/22/2014 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

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 Work Order Number: 14-12-1036

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/10/14. They were assigned to Work Order 14-12-1036.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



Calscience

Sample Summary

Client: San Diego Bay Environmental Restoration Fund	Work Order:	14-12-1036
C/O de maximis, Inc., 1322 Scott Street, Suite 104	Project Name:	San Diego Shipyard - North IUDP Discharge
San Diego, CA 92106-2727	PO Number:	
	Date/Time Received:	12/10/14 18:05
	Number of Containers:	4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-141210	14-12-1036-1	12/10/14 08:20	4	Aqueous

Return to Contents



Calscience

Analytical Report

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: SM 2540 D
 Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-141210	14-12-1036-1-C	12/10/14 08:20	Aqueous	N/A	12/17/14	12/17/14 14:40	E1217TSSB2

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	8.2	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-010-6945	N/A	Aqueous	N/A	12/17/14	12/17/14 14:40	E1217TSSB2

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: SM 5220 C
 Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-141210	14-12-1036-1-A	12/10/14 08:20	Aqueous	BUR06	12/17/14	12/17/14 16:00	E1217ODB1

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	260	5.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-114-133	N/A	Aqueous	BUR06	12/17/14	12/17/14 16:00	E1217ODB1

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: EPA 200.8
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-141210	14-12-1036-1-B	12/10/14 08:20	Aqueous	ICP/MS 04	12/11/14	12/15/14 23:57	141211L08

Comment(s): - The reporting limit is elevated resulting from matrix interference.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	15.4	10.0	3.86	10.0	
Copper	34.8	10.0	1.40	10.0	
Lead	12.5	10.0	0.898	10.0	
Nickel	16.6	10.0	1.32	10.0	
Zinc	46.4	50.0	4.79	10.0	J

Method Blank	099-16-094-641	N/A	Aqueous	ICP/MS 04	12/11/14	12/12/14 13:13	141211L08
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: EPA 245.1 Total
 Method: EPA 245.1
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-141210	14-12-1036-1-B	12/10/14 08:20	Aqueous	Mercury 04	12/19/14	12/19/14 22:29	141219L05

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Method Blank	099-04-008-7247	N/A	Aqueous	Mercury 04	12/19/14	12/19/14 22:13	141219L05
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

San Diego Bay Environmental Restoration Fund
C/O de maximis, Inc., 1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: 12/10/14
Work Order: 14-12-1036
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-141210	14-12-1036-1-D	12/10/14 08:20	Aqueous	GC 58	12/12/14	12/17/14 10:33	141212L09

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.48	0.14	1.00	
Aroclor-1221	ND	0.48	0.14	1.00	
Aroclor-1232	ND	0.48	0.12	1.00	
Aroclor-1242	ND	0.48	0.086	1.00	
Aroclor-1248	ND	0.48	0.097	1.00	
Aroclor-1254	ND	0.48	0.11	1.00	
Aroclor-1260	ND	0.48	0.13	1.00	
Aroclor-1262	ND	0.48	0.13	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	50-135	
2,4,5,6-Tetrachloro-m-Xylene	90	50-135	

Method Blank	099-16-104-8	N/A	Aqueous	GC 58	12/12/14	12/12/14 15:27	141212L09
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.50	0.15	1.00	
Aroclor-1221	ND	0.50	0.14	1.00	
Aroclor-1232	ND	0.50	0.12	1.00	
Aroclor-1242	ND	0.50	0.090	1.00	
Aroclor-1248	ND	0.50	0.10	1.00	
Aroclor-1254	ND	0.50	0.11	1.00	
Aroclor-1260	ND	0.50	0.13	1.00	
Aroclor-1262	ND	0.50	0.13	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	50-135	
2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

San Diego Bay Environmental Restoration Fund
C/O de maximis, Inc., 1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: 12/10/14
Work Order: 14-12-1036
Preparation: Filtered
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1030-2	Sample	Aqueous	ICP/MS 04	12/11/14	12/12/14 13:37	141211S08
14-12-1030-2	Matrix Spike	Aqueous	ICP/MS 04	12/11/14	12/12/14 13:20	141211S08
14-12-1030-2	Matrix Spike Duplicate	Aqueous	ICP/MS 04	12/11/14	12/12/14 13:23	141211S08

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	100.0	88.14	88	78.61	79	80-120	11	0-20	3
Copper	6.491	100.0	90.15	84	81.82	75	80-120	10	0-20	3
Lead	ND	100.0	92.46	92	82.29	82	80-120	12	0-20	
Nickel	2.712	100.0	81.82	79	75.50	73	80-120	8	0-20	3
Zinc	13.03	100.0	105.1	92	94.41	81	80-120	11	0-20	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1651-2	Sample	Aqueous	Mercury 04	12/19/14	12/19/14 22:22	141219S05
14-12-1651-2	Matrix Spike	Aqueous	Mercury 04	12/19/14	12/19/14 22:24	141219S05
14-12-1651-2	Matrix Spike Duplicate	Aqueous	Mercury 04	12/19/14	12/19/14 22:26	141219S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.71	107	11.16	112	57-141	4	0-10	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - PDS

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: Filtered
 Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-12-1030-2	Sample	Aqueous	ICP/MS 04	12/11/14 00:00	12/12/14 13:37	141211S08
14-12-1030-2	PDS	Aqueous	ICP/MS 04	12/11/14 00:00	12/12/14 13:27	141211S08

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	ND	100.0	99.07	99	75-125	
Copper	6.491	100.0	101.3	95	75-125	
Lead	ND	100.0	103.7	104	75-125	
Nickel	2.712	100.0	94.91	92	75-125	
Zinc	13.03	100.0	112.9	100	75-125	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-12-1167-1	Sample	Aqueous	N/A	12/17/14 00:00	12/17/14 14:40	E1217TSSD2
14-12-1167-1	Sample Duplicate	Aqueous	N/A	12/17/14 00:00	12/17/14 14:40	E1217TSSD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	30.00	32.70	9	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-141210	Sample	Aqueous	BUR06	12/17/14 00:00	12/17/14 16:00	E1217ODD1
D-1D-141210	Sample Duplicate	Aqueous	BUR06	12/17/14 00:00	12/17/14 16:00	E1217ODD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		257.0	246.0	4	0-25	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-6945	LCS	Aqueous	N/A	12/17/14	12/17/14 14:40	E1217TSSB2			
099-09-010-6945	LCSD	Aqueous	N/A	12/17/14	12/17/14 14:40	E1217TSSB2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	85.00	85	81.00	81	80-120	5	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: N/A
 Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-094-641	LCS	Aqueous	ICP/MS 04	12/11/14	12/12/14 13:17	141211L08
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Arsenic		100.0	101.9	102	80-120	
Copper		100.0	100.7	101	80-120	
Lead		100.0	102.6	103	80-120	
Nickel		100.0	100.0	100	80-120	
Zinc		100.0	109.5	109	80-120	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

San Diego Bay Environmental Restoration Fund	Date Received:	12/10/14
C/O de maximis, Inc., 1322 Scott Street, Suite 104	Work Order:	14-12-1036
San Diego, CA 92106-2727	Preparation:	EPA 245.1 Total
	Method:	EPA 245.1
Project: San Diego Shipyard - North IUDP Discharge		Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7247	LCS	Aqueous	Mercury 04	12/19/14	12/19/14 22:20	141219L05
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	10.79	108	85-121	



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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

San Diego Bay Environmental Restoration Fund
 C/O de maximis, Inc., 1322 Scott Street, Suite 104
 San Diego, CA 92106-2727

Date Received: 12/10/14
 Work Order: 14-12-1036
 Preparation: EPA 3510C
 Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-104-8	LCS	Aqueous	GC 58	12/12/14	12/12/14 14:51	141212L09			
099-16-104-8	LCSD	Aqueous	GC 58	12/12/14	12/12/14 15:09	141212L09			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1260	1.000	0.9006	90	1.037	104	50-135	14	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 14-12-1036

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us 26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY
14-12-1036

DATE: 12/10/2014
 PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchoragea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT) **Nick Kennedy**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10600003580** LOG CODE:

SPECIAL INSTRUCTIONS:
Reporting to The North Trust
Report J-flags
*For EDF, use field point "D-10" *Only first sample point written on bottles*
Samples "D10-NS"

REQUESTED ANALYSES

Please check box or fill in blank as needed.

	Unpreserved	Preserved	Field Filtered	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids										
D-10-141210		HNO ₃		X	X													
D-10-141210		H ₂ SO ₄					X											
D-10-141210	X					X												
D-10-141210	X							X										

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
	D-10-141210	12/10/2014	0820, 0910, 1010, 1100, 1200	WS	1		HNO ₃	
	D-10-141210	12/10/2014	0820, 0910, 1010, 1100, 1200	WS	1		H ₂ SO ₄	
	D-10-141210	11/10/2014	0820	WS	1	X		
	D-10-141210	12/10/2014	0820, 0910, 1010, 1100, 1200	WS	1	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: <u>12/10/2014</u>	Time: <u>1509</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: <u>12/10/14</u>	Time: <u>1805</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ANCHOR QEA

DATE: 12/10/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.8 °C - 0.2 °C (CF) = 1.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Sample _____ No (Not Intact) Not Present

Checked by: 671
Checked by: 920

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CONTAINER TYPE:			
Solid: <input type="checkbox"/> 4ozCGJ <input type="checkbox"/> 8ozCGJ <input type="checkbox"/> 16ozCGJ <input type="checkbox"/> Sleeve (____) <input type="checkbox"/> EnCores® <input type="checkbox"/> TerraCores® <input type="checkbox"/> _____			
Aqueous: <input type="checkbox"/> VOA <input type="checkbox"/> VOAh <input type="checkbox"/> VOAna ₂ <input type="checkbox"/> 125AGB <input type="checkbox"/> 125AGBh <input type="checkbox"/> 125AGBp <input checked="" type="checkbox"/> 1AGB <input type="checkbox"/> 1AGBna ₂ <input type="checkbox"/> 1AGBs			
<input type="checkbox"/> 500AGB <input type="checkbox"/> 500AGJ <input type="checkbox"/> 500AGJs <input type="checkbox"/> 250AGB <input type="checkbox"/> 250CGB <input checked="" type="checkbox"/> 250CGBs <input checked="" type="checkbox"/> 1PB <input type="checkbox"/> 1PBna <input type="checkbox"/> 500PB			
<input type="checkbox"/> 250PB <input checked="" type="checkbox"/> 250PBn <input type="checkbox"/> 125PB <input type="checkbox"/> 125PBzanna <input type="checkbox"/> 100PJ <input type="checkbox"/> 100PJna ₂ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____			
Air: <input type="checkbox"/> Tedlar® <input type="checkbox"/> Canister Other: <input type="checkbox"/> _____ Trip Blank Lot#: _____ Labeled/Checked by: <u>920</u>			
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope			Reviewed by: <u>671</u>
Preservative: h: HCL n: HNO ₃ na ₂ : Na ₂ S ₂ O ₃ na: NaOH p: H ₃ PO ₄ s: H ₂ SO ₄ u: Ultra-pure zanna: ZnAc ₂ +NaOH f: Filtered			Scanned by: <u>671</u>

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 2205 E Belt St
 San Diego, CA 92113

 * RETURN REPORT *
 * by *
 * 15-FEB-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 159709

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0159709-01 Date: 1/20/2015 Time(s) : 0740, 0840, 0940, 1040, 1140, 1240

24 hour composite

Sampler: N. Kennedy Description: clear water

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		360
Solids, Total Suspended	mg/L		32
Copper, Total	mg/L		0.0513
Lead, Total	mg/L		0.0288
Nickel, Total	mg/L		0.0162
Zinc, Total	mg/L		0.102
Arsenic, Total	mg/L	5	0.0493
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0159709-02 Date: 1/31/2015 Time(s) : 0700

Evaluation only (no sample)

Sampler: N. Kennedy Description: clear water

Beginning Meter Read and Date	<u>gals</u>		<u>1/01/2015</u>	<u>1,264,700</u>
Ending Meter Read and Date	<u>gals</u>		<u>1/31/2015</u>	<u>1,362,000</u>
Average Flow/calendar day thru Connection	<u>gpd</u>			<u>3,139</u>
Imported Flow During Period	<u>gals</u>			<u>97,300</u>
Maximum gals/min thru meter	<u>gpm</u>	<u>300</u>		<u>300</u>
Minimum gals/min thru meter when discharging	<u>gpm</u>	<u>50-</u>		<u>50</u>

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
2205 E Belt St
San Diego, CA 92113

* RETURN REPORT *
* by *
* 15-FEB-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 159709

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0159709-03 Date: 1/20/2015 Time(s): 0740

Pesticide and PCB grab

Sampler: N. Kennedy Description: clear water

PCB's, Total ug/L 3 <0.95

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

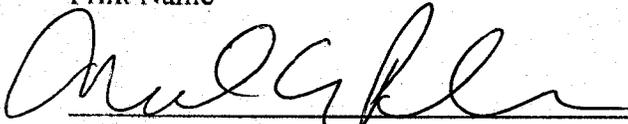
2-15-15 January 2015

report due date

monitoring period

Michael A Pelmer
Print Name

Project Coordinator
Title

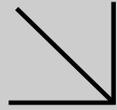

Signature

2-6-15
Date

(Attach to Industry Self-Monitoring Form)



Calscience



WORK ORDER NUMBER: 15-01-1163

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/02/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-01-1163

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/20/15. They were assigned to Work Order 15-01-1163.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



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Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-01-1163
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 01/20/15 18:55
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-150120	15-01-1163-1	01/20/15 07:40	4	Aqueous


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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150120	15-01-1163-1-D	01/20/15 07:40	Aqueous	N/A	01/24/15	01/24/15 16:00	F0124TSSL1

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	32	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-010-7020	N/A	Aqueous	N/A	01/24/15	01/24/15 16:00	F0124TSSL1

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150120	15-01-1163-1-A	01/20/15 07:40	Aqueous	BUR06	01/29/15	01/29/15 16:00	F0129ODB2

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	360	5.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-114-136	N/A	Aqueous	BUR06	01/29/15	01/29/15 16:00	F0129ODB2

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/20/15
 Work Order: 15-01-1163
 Preparation: N/A
 Method: EPA 200.8
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150120	15-01-1163-1-B	01/20/15 07:40	Aqueous	ICP/MS 04	01/20/15	01/22/15 03:44	150120L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	49.3	1.00	0.386	1.00	
Copper	51.3	1.00	0.140	1.00	
Lead	28.8	1.00	0.0898	1.00	
Nickel	16.2	1.00	0.132	1.00	
Zinc	102	5.00	0.479	1.00	

Method Blank	099-16-094-691	N/A	Aqueous	ICP/MS 04	01/20/15	01/21/15 14:28	150120L01
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150120	15-01-1163-1-B	01/20/15 07:40	Aqueous	Mercury 04	01/27/15	01/28/15 14:20	150127L06

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.200	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-04-008-7290	N/A	Aqueous	Mercury 04	01/27/15	01/28/15 14:09	150127L06

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.200	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150120	15-01-1163-1-C	01/20/15 07:40	Aqueous	GC 58	01/23/15	01/27/15 13:03	150123L03A

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.95	0.28	1.00	
Aroclor-1221	ND	0.95	0.27	1.00	
Aroclor-1232	ND	0.95	0.24	1.00	
Aroclor-1242	ND	0.95	0.17	1.00	
Aroclor-1248	ND	0.95	0.19	1.00	
Aroclor-1254	ND	0.95	0.21	1.00	
Aroclor-1260	ND	0.95	0.25	1.00	
Aroclor-1262	ND	0.95	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	50-135	
2,4,5,6-Tetrachloro-m-Xylene	80	50-135	

Method Blank	099-12-533-997	N/A	Aqueous	GC 58	01/23/15	01/27/15 12:27	150123L03A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	50-135	
2,4,5,6-Tetrachloro-m-Xylene	80	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: Filtered
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
15-01-1003-3	Sample	Aqueous	ICP/MS 04	01/20/15	01/20/15 18:00	150120S01				
15-01-1003-3	Matrix Spike	Aqueous	ICP/MS 04	01/20/15	01/20/15 17:42	150120S01				
15-01-1003-3	Matrix Spike Duplicate	Aqueous	ICP/MS 04	01/20/15	01/20/15 17:46	150120S01				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	1.627	100.0	93.43	92	92.07	90	80-120	1	0-20	
Copper	3.643	100.0	85.35	82	83.45	80	80-120	2	0-20	
Lead	ND	100.0	98.99	99	95.39	95	80-120	4	0-20	
Nickel	14.89	100.0	96.06	81	93.26	78	80-120	3	0-20	3
Zinc	9.777	100.0	96.08	86	90.59	81	80-120	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/20/15
 Work Order: 15-01-1163
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-1356-6	Sample	Aqueous	Mercury 04	01/27/15	01/28/15 14:13	150127S06
15-01-1356-6	Matrix Spike	Aqueous	Mercury 04	01/27/15	01/28/15 14:16	150127S06
15-01-1356-6	Matrix Spike Duplicate	Aqueous	Mercury 04	01/27/15	01/28/15 14:18	150127S06

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.72	107	10.68	107	57-141	0	0-10	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/20/15
 Work Order: 15-01-1163
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-01-1254-4	Sample	Aqueous	N/A	01/24/15 00:00	01/24/15 16:00	F0124TSSD1
15-01-1254-4	Sample Duplicate	Aqueous	N/A	01/24/15 00:00	01/24/15 16:00	F0124TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	6172	5852	5	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/20/15
 Work Order: 15-01-1163
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-150120	Sample	Aqueous	BUR06	01/29/15 00:00	01/29/15 16:00	F0129ODD2
D-1D-150120	Sample Duplicate	Aqueous	BUR06	01/29/15 00:00	01/29/15 16:00	F0129ODD2

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	363.0	350.0	4	0-25	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/20/15
 Work Order: 15-01-1163
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7020	LCS	Aqueous	N/A	01/24/15	01/24/15 16:00	F0124TSSL1
099-09-010-7020	LCSD	Aqueous	N/A	01/24/15	01/24/15 16:00	F0124TSSL1

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	89.00	89	86.00	86	80-120	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-691	LCS	Aqueous	ICP/MS 04	01/20/15	01/21/15 14:32	150120L01			
099-16-094-691	LCSD	Aqueous	ICP/MS 04	01/20/15	01/22/15 01:02	150120L01			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	105.1	105	104.8	105	80-120	0	0-20	
Copper	100.0	101.9	102	102.2	102	80-120	0	0-20	
Lead	100.0	104.5	104	103.6	104	80-120	1	0-20	
Nickel	100.0	105.3	105	101.8	102	80-120	3	0-20	
Zinc	100.0	101.6	102	100.7	101	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7290	LCS	Aqueous	Mercury 04	01/27/15	01/28/15 14:11	150127L06			
099-04-008-7290	LCSD	Aqueous	Mercury 04	01/27/15	01/28/15 15:10	150127L06			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	10.00	10.69	107	10.76	108	85-121	1	0-10	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/20/15
Work Order: 15-01-1163
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-997	LCS	Aqueous	GC 58	01/23/15	01/27/15 11:35	150123L03A			
099-12-533-997	LCSD	Aqueous	GC 58	01/23/15	01/27/15 12:09	150123L03A			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.608	130	2.596	130	50-135	0	0-25	
Aroclor-1260	2.000	2.414	121	2.423	121	50-135	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-01-1163

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Calscience

WORK ORDER #: 15-01-7763

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ANCHOR PEA

DATE: 01/20/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 1.5 °C + 0.2°C (CF) = 1.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Sample _____ No (Not Intact) Not Present

Checked by: 671
Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels. <input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Aqueous: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

250PB 250PB_n 125PB 125PB_{znna} 100PJ 100PJ_{na2} 250PB₁₁ _____ _____

Air: Tedlar® Canister Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: 965

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 862

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by: 862

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-MAR-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 160163

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0160163-01 Date: 2/04/15 Time(s): 0700, 0800, 0900, 1000

24 hour composite

Sampler: N. Kennedy Description: Clear water

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		360
Solids, Total Suspended	mg/L		54
Copper, Total	mg/L		0.0497
Lead, Total	mg/L		0.0314
Nickel, Total	mg/L		0.0141
Zinc, Total	mg/L		0.0715
Arsenic, Total	mg/L	5	0.0293
Mercury, Total	mg/L	.2	0.000150

Sample#: 0160163-02 Date: 2/28/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	<u>gals</u>	<u>2/01/2015</u>	<u>1,362,000</u>
Ending Meter Read and Date	<u>gals</u>	<u>2/28/2015</u>	<u>1,425,300</u>
Average Flow/calendar day thru Connection	<u>gpd</u>		<u>2,260</u>
Imported Flow During Period	<u>gals</u>		<u>63,300</u>
Maximum gals/min thru meter	<u>gpm</u>	<u>300</u>	<u>300</u>
Minimum gals/min thru meter when discharging	<u>gpm</u>	<u>50-</u>	<u>50</u>

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-MAR-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 160163

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0160163-03 Date: 2/04/2015 Time(s): 0700

Pesticide and PCB grab

Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.96

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

3-15-15

report due date

Feb 2015

monitoring period

Michael Apelmer

Print Name

Project Coordinator

Title



Signature

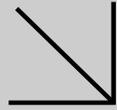
(Attach to Industry Self-Monitoring Form)

3-10-15

Date



Calscience



WORK ORDER NUMBER: 15-02-0310

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 02/13/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

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 Work Order Number: 15-02-0310

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/04/15. They were assigned to Work Order 15-02-0310.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-02-0310
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 02/04/15 19:50
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-150204	15-02-0310-1	02/04/15 07:00	4	Aqueous

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Analytical Report

ANCHOR QEA, LLC	Date Received:	02/04/15
27201 Puerta Real, Suite 350	Work Order:	15-02-0310
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 2540 D
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150204	15-02-0310-1-D	02/04/15 07:00	Aqueous	N/A	02/09/15	02/09/15 17:00	F0209TSSL2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	54	1.0	0.95	1.00	

Method Blank	099-09-010-7039	N/A	Aqueous	N/A	02/09/15	02/09/15 17:00	F0209TSSL2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.95	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC	Date Received:	02/04/15
27201 Puerta Real, Suite 350	Work Order:	15-02-0310
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150204	15-02-0310-1-B	02/04/15 07:00	Aqueous	BUR06	02/10/15	02/10/15 22:00	F0210ODB4

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	360	5.0	4.8	1.00	

Method Blank	099-05-114-137	N/A	Aqueous	BUR06	02/10/15	02/10/15 22:00	F0210ODB4
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: N/A
Method: EPA 200.8
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150204	15-02-0310-1-A	02/04/15 07:00	Aqueous	ICP/MS 03	02/05/15	02/07/15 12:48	150205LA2

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	29.3	10.0	3.86	10.0	B
Copper	49.7	10.0	1.40	10.0	
Lead	31.4	10.0	0.898	10.0	
Nickel	14.1	10.0	1.32	10.0	
Zinc	71.5	50.0	4.79	10.0	

Method Blank	099-16-094-712	N/A	Aqueous	ICP/MS 03	02/05/15	02/06/15 18:43	150205LA2
Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.							

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	0.404	1.00	0.386	1.00	J
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150204	15-02-0310-1-A	02/04/15 07:00	Aqueous	Mercury 04	02/11/15	02/11/15 13:39	150211L01A

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.150	0.200	0.0453	1.00	J

Method Blank	099-04-008-7311	N/A	Aqueous	Mercury 04	02/11/15	02/11/15 13:28	150211L01A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150204	15-02-0310-1-C	02/04/15 07:00	Aqueous	GC 31	02/06/15	02/10/15 13:16	150206L09

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.96	0.28	1.00	
Aroclor-1221	ND	0.96	0.27	1.00	
Aroclor-1232	ND	0.96	0.24	1.00	
Aroclor-1242	ND	0.96	0.17	1.00	
Aroclor-1248	ND	0.96	0.19	1.00	
Aroclor-1254	ND	0.96	0.22	1.00	
Aroclor-1260	ND	0.96	0.25	1.00	
Aroclor-1262	ND	0.96	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	50-135	
2,4,5,6-Tetrachloro-m-Xylene	81	50-135	

Method Blank	099-12-533-1002	N/A	Aqueous	GC 31	02/06/15	02/10/15 12:14	150206L09
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	50-135	
2,4,5,6-Tetrachloro-m-Xylene	77	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-1D-150204	Sample	Aqueous	ICP/MS 03	02/05/15	02/07/15 12:48	150205SA2A				
D-1D-150204	Matrix Spike	Aqueous	ICP/MS 03	02/05/15	02/09/15 14:11	150205SA2A				
D-1D-150204	Matrix Spike Duplicate	Aqueous	ICP/MS 03	02/05/15	02/09/15 14:15	150205SA2A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	29.26	100.0	117.2	88	118.5	89	80-120	1	0-20	
Copper	49.70	100.0	142.5	93	148.8	99	80-120	4	0-20	
Lead	31.41	100.0	148.7	117	150.0	119	80-120	1	0-20	
Nickel	14.10	100.0	112.7	99	113.7	100	80-120	1	0-20	
Zinc	71.53	100.0	162.4	91	164.7	93	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 02/04/15
 Work Order: 15-02-0310
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0347-2	Sample	Aqueous	Mercury 04	02/11/15	02/11/15 13:33	150211S01
15-02-0347-2	Matrix Spike	Aqueous	Mercury 04	02/11/15	02/11/15 13:35	150211S01
15-02-0347-2	Matrix Spike Duplicate	Aqueous	Mercury 04	02/11/15	02/11/15 13:37	150211S01

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.15	102	10.61	106	57-141	4	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 02/04/15
 Work Order: 15-02-0310
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-02-0354-1	Sample	Aqueous	N/A	02/09/15 00:00	02/09/15 17:00	F0209TSSD2
15-02-0354-1	Sample Duplicate	Aqueous	N/A	02/09/15 00:00	02/09/15 17:00	F0209TSSD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	3.800	3.600	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 02/04/15
 Work Order: 15-02-0310
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-150204	Sample	Aqueous	BUR06	02/10/15 00:00	02/10/15 22:00	F0210ODD4
D-1D-150204	Sample Duplicate	Aqueous	BUR06	02/10/15 00:00	02/10/15 22:00	F0210ODD4
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		357.0	349.0	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 02/04/15
 Work Order: 15-02-0310
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7039	LCS	Aqueous	N/A	02/09/15	02/09/15 17:00	F0209TSSL2
099-09-010-7039	LCSD	Aqueous	N/A	02/09/15	02/09/15 17:00	F0209TSSL2

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	95.00	95	100.0	100	80-120	5	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-712	LCS	Aqueous	ICP/MS 03	02/05/15	02/06/15 18:46	150205LA2			
099-16-094-712	LCSD	Aqueous	ICP/MS 03	02/05/15	02/09/15 15:44	150205LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	99.43	99	103.3	103	80-120	4	0-20	
Copper	100.0	98.41	98	101.3	101	80-120	3	0-20	
Lead	100.0	96.67	97	97.73	98	80-120	1	0-20	
Nickel	100.0	92.91	93	94.71	95	80-120	2	0-20	
Zinc	100.0	112.7	113	101.8	102	80-120	10	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 02/04/15
 Work Order: 15-02-0310
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-7311	LCS	Aqueous	Mercury 04	02/11/15	02/11/15 13:30	150211L01A
099-04-008-7311	LCSD	Aqueous	Mercury 04	02/11/15	02/11/15 20:38	150211L01A

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	10.00	10.30	103	9.885	99	85-121	4	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 02/04/15
Work Order: 15-02-0310
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1002	LCS	Aqueous	GC 31	02/06/15	02/10/15 11:36	150206L09			
099-12-533-1002	LCSD	Aqueous	GC 31	02/06/15	02/10/15 12:38	150206L09			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.850	93	1.886	94	50-135	2	0-25	
Aroclor-1260	2.000	1.959	98	1.994	100	50-135	2	0-25	


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RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-02-0310

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WG #7-LAB USE ONLY
15-02-0310

DATE: 2/4/2015
PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchoragea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT) **Nick Kennedy**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000003500** LOG CODE:

SPECIAL INSTRUCTIONS:
Reporting to the North Trust
*** only first sample point**
written on bottles
Report J-flags
For EDF, use field point name "D-ID" for all discharge samples
USE "D-ID-NS"

REQUESTED ANALYSES

Please check box or fill in blank as needed.

	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids
1	X	X			
2				X	
3			X		
4					X

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
1	D-10-150204	2/4/2015	0700, 0900, 0900, 1000	WS	1		HNO ₃	
2	D-10-150204	2/4/2015	0700, 0900, 0900, 1000	WS	1		H ₂ SO ₄	
3	D-10-150204	2/4/2015	0700	WS	1	X		
4	D-10-150204	2/4/2015	0700, 0900, 0900, 1000	WS	1	X		

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: <u>2/4/2015</u>	Time: <u>1435</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: <u>2/4/15</u>	Time: <u>19:00</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:



Calscience

WORK ORDER #: 15-02-0310

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ANCHOR. QEA

DATE: 02/04/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)

Temperature 1.5°C + 0.2°C (CF) = 1.7°C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Checked by: 671

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Checked by: 862

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and good condition, Proper containers and sufficient volume for analyses requested, Analyses received within holding time, Aqueous samples received within 15-minute holding time, Proper preservation noted on COC or sample container, Volatile analysis container(s) free of headspace, Tedlar bag(s) free of condensation.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____

Aqueous: [] VOA [] VOA_h [] VOA_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [X] 1AGB [] 1AGB_{na2} [] 1AGB_s

[] 500AGB [] 500AGJ [] 500AGJ_s [] 250AGB [] 250CGB [X] 250CGB_s [X] 1PB [] 1PB_{na} [] 500PB

[] 250PB [X] 250PB_{na} [] 125PB [] 125PB_{znna} [] 100PJ [] 100PJ_{na2} [] _____ [] _____ [] _____

Air: [] Tedlar® [] Canister Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: 862

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 681

Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure znna: ZnAc2+NaOH f: Filtered Scanned by: 681

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-APR-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 160568

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0160568-01 Date: 3/19/2015 Time(s): 0810, 0855, 0940, 1025

24 hour composite

Sampler: N. Kennedy Description: Clear water

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		<u>370</u>
Solids, Total Suspended	mg/L		<u>12</u>
Copper, Total	mg/L		<u>0.0555</u>
Lead, Total	mg/L		<u>0.0683</u>
Nickel, Total	mg/L		<u>0.0140</u>
Zinc, Total	mg/L		<u>0.0960</u>
Arsenic, Total	mg/L	5	<u>0.00984</u>
Mercury, Total	mg/L	.2	<u><0.0002</u>

Sample#: 0160568-02 Date: 3/19/2015 Time(s): 0810, 0855, 0940, 1025

Evaluation only (no sample)

Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	<u>gals</u>	<u>3/1/2015</u>	<u>1,425,300</u>
Ending Meter Read and Date	<u>gals</u>	<u>3/31/2015</u>	<u>1,457,200</u>
Average Flow/calendar day thru Connection	<u>gpd</u>		<u>1,029</u>
Imported Flow During Period	<u>gals</u>		<u>31,900</u>
Maximum gals/min thru meter	<u>gpm</u>	<u>300</u>	<u>300</u>
Minimum gals/min thru meter when discharging	<u>gpm</u>	<u>50-</u>	<u>50</u>

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-APR-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 160568

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0160568-03 Date: 3/19/2015 Time(s): 0810

Pesticide and PCB grab

Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.96

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

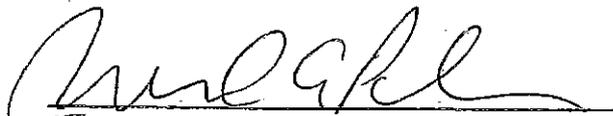
4-15-15 March 2015

report due date

monitoring period

Michael Abelman
Print Name

Project Coordinator
Title

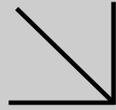


Signature
(Attach to Industry Self-Monitoring Form)

4-3-15
Date



Calscience



WORK ORDER NUMBER: 15-03-1587

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 03/31/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-03-1587

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/19/15. They were assigned to Work Order 15-03-1587.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-03-1587
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 03/19/15 19:05
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-150319	15-03-1587-1	03/19/15 08:10	4	Aqueous

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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150319	15-03-1587-1-D	03/19/15 08:10	Aqueous	N/A	03/25/15	03/25/15 20:00	F0325TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	12	1.0	0.83	1.00	

Method Blank	099-09-010-7114	N/A	Aqueous	N/A	03/25/15	03/25/15 20:00	F0325TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC	Date Received:	03/19/15
27201 Puerta Real, Suite 350	Work Order:	15-03-1587
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150319	15-03-1587-1-B	03/19/15 08:10	Aqueous	BUR06	03/24/15	03/24/15 18:00	F0324ODB3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	370	5.0	4.8	1.00	

Method Blank	099-05-114-139	N/A	Aqueous	BUR06	03/24/15	03/24/15 18:00	F0324ODB3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: N/A
Method: EPA 200.8
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150319	15-03-1587-1-A	03/19/15 08:10	Aqueous	ICP/MS 03	03/20/15	03/24/15 01:17	150320LA1B

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	9.84	10.0	3.86	10.0	J
Copper	55.5	10.0	1.40	10.0	
Lead	68.3	10.0	0.898	10.0	
Nickel	14.0	10.0	1.32	10.0	
Zinc	96.0	50.0	4.79	10.0	

Method Blank	099-16-094-774	N/A	Aqueous	ICP/MS 04	03/20/15	03/20/15 22:30	150320LA1B
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150319	15-03-1587-1-A	03/19/15 08:10	Aqueous	Mercury 04	03/20/15	03/20/15 18:53	150320L07A

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Method Blank	099-04-008-7363	N/A	Aqueous	Mercury 04	03/20/15	03/20/15 18:26	150320L07A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150319	15-03-1587-1-C	03/19/15 08:10	Aqueous	GC 58	03/20/15	03/21/15 19:44	150320L08

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.96	0.28	1.00	
Aroclor-1221	ND	0.96	0.27	1.00	
Aroclor-1232	ND	0.96	0.24	1.00	
Aroclor-1242	ND	0.96	0.17	1.00	
Aroclor-1248	ND	0.96	0.19	1.00	
Aroclor-1254	ND	0.96	0.22	1.00	
Aroclor-1260	ND	0.96	0.25	1.00	
Aroclor-1262	ND	0.96	0.25	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	50-135	
2,4,5,6-Tetrachloro-m-Xylene	79	50-135	

Method Blank	099-12-533-1016	N/A	Aqueous	GC 58	03/20/15	03/21/15 19:08	150320L08
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	50-135	
2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-1D-150319	Sample	Aqueous	ICP/MS 03	03/20/15	03/24/15 01:17	150320SA1A				
D-1D-150319	Matrix Spike	Aqueous	ICP/MS 03	03/20/15	03/24/15 01:06	150320SA1A				
D-1D-150319	Matrix Spike Duplicate	Aqueous	ICP/MS 03	03/20/15	03/24/15 01:10	150320SA1A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	100.0	107.5	108	107.0	107	80-120	0	0-20	
Copper	55.49	100.0	130.3	75	127.9	72	80-120	2	0-20	3
Lead	68.28	100.0	180.0	112	177.0	109	80-120	2	0-20	
Nickel	14.01	100.0	94.56	81	94.93	81	80-120	0	0-20	
Zinc	96.01	100.0	190.7	95	176.1	80	80-120	8	0-20	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: EPA 245.1 Filt.
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-03-1441-2	Sample	Aqueous	Mercury 04	03/20/15	03/20/15 18:31	150320S07
15-03-1441-2	Matrix Spike	Aqueous	Mercury 04	03/20/15	03/20/15 18:33	150320S07
15-03-1441-2	Matrix Spike Duplicate	Aqueous	Mercury 04	03/20/15	03/20/15 18:35	150320S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	8.882	89	9.077	91	57-141	2	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/19/15
 Work Order: 15-03-1587
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-03-1649-1	Sample	Aqueous	N/A	03/25/15 00:00	03/25/15 20:00	F0325TSSD1
15-03-1649-1	Sample Duplicate	Aqueous	N/A	03/25/15 00:00	03/25/15 20:00	F0325TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	202.0	194.0	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/19/15
 Work Order: 15-03-1587
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-150319	Sample	Aqueous	BUR06	03/24/15 00:00	03/24/15 18:00	F0324ODD3
D-1D-150319	Sample Duplicate	Aqueous	BUR06	03/24/15 00:00	03/24/15 18:00	F0324ODD3

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	367.0	361.0	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/19/15
 Work Order: 15-03-1587
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7114	LCS	Aqueous	N/A	03/25/15	03/25/15 20:00	F0325TSSL1
099-09-010-7114	LCSD	Aqueous	N/A	03/25/15	03/25/15 20:00	F0325TSSL1

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	93.00	93	96.00	96	80-120	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-774	LCS	Aqueous	ICP/MS 04	03/20/15	03/20/15 22:34	150320LA1B			
099-16-094-774	LCSD	Aqueous	ICP/MS 03	03/20/15	03/25/15 11:02	150320LA1B			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	97.82	98	96.48	96	80-120	1	0-20	
Copper	100.0	99.67	100	100.1	100	80-120	0	0-20	
Lead	100.0	98.17	98	95.34	95	80-120	3	0-20	
Nickel	100.0	99.31	99	97.75	98	80-120	2	0-20	
Zinc	100.0	107.7	108	101.1	101	80-120	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 03/19/15
 Work Order: 15-03-1587
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7363	LCS	Aqueous	Mercury 04	03/20/15	03/20/15 18:28	150320L07A
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	9.036	90	85-121	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 03/19/15
Work Order: 15-03-1587
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1016	LCS	Aqueous	GC 58	03/20/15	03/21/15 18:32	150320L08			
099-12-533-1016	LCSD	Aqueous	GC 58	03/20/15	03/21/15 18:50	150320L08			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.464	123	2.470	123	50-135	0	0-25	
Aroclor-1260	2.000	2.124	106	1.900	95	50-135	11	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-03-1587

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WG # / LAB USE ONLY:
15-03-1587

DATE: 3/19/2015
PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchoragea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT) **Nick Kennedy**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000003580** LOG CODE:

SPECIAL INSTRUCTIONS:
*reporting to The North Trust
*only first sample point
written on bottles*
Report J-flags
For EDF, use field point name "D-ID" for all discharge samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids
1	X	X			
2				X	
3			X		
4					X

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
1	D-ID-180319	3/19/15	0810, 0855, 0940, 1015	WS	1		HNO ₃	
2	D-ID-150319	3/19/15	0810, 0855, 0940, 1025	WS	1		H ₂ SO ₄	
3	D-ID-150319	3/19/15	0810, 0855, 0940	WS	1	X		
4	D-ID-150319	3/19/15	0810, 0855, 0940, 1025	WS	1	X		

Relinquished by: (Signature) *Nick Kennedy*

Relinquished by: (Signature) _____

Relinquished by: (Signature) _____

Received by: (Signature/Affiliation) *[Signature]*

Received by: (Signature/Affiliation) *[Signature]*

Received by: (Signature/Affiliation) *[Signature]*

Date: **03/19/15** Time: **1530**

Date: **03/19/15** Time: **1905**

Date: _____ Time: _____

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-MAY-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 161090

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0161090-01 Date: 4/23/2015 Time(s): 10:40, 11:40, 12:40, 14:30

24 hour composite

Sampler: N. Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		340
Solids, Total Suspended	mg/L		<1.0
Copper, Total	mg/L		0.0681
Lead, Total	mg/L		0.0356
Nickel, Total	mg/L		0.0110
Zinc, Total	mg/L		0.0607
Arsenic, Total	mg/L	5	0.0196
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0161090-02 Date: 4/30/2015 Time(s): 07:00

Evaluation only (no sample)

Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	gals	4/1/2015	1,457,200
Ending Meter Read and Date	gals	4/30/2015	1,535,300
Average Flow/calendar day thru Connection	gpd		2,603
Imported Flow During Period	gals		78,100
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-MAY-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 161090

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience, Inc. * COPY OF ANALYSIS REQUIRED *

Sample#: 0161090-03 Date: 4/23/2015 Time (s): 10:40

Pesticide and PCB grab
Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <1.0

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

5-15-15 April 2015

report due date

monitoring period

Michael Palmer

Print Name

Project Coordinator

Title



Signature

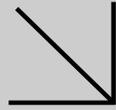
(Attach to Industry Self-Monitoring Form)

5/6/15

Date



Calscience



WORK ORDER NUMBER: 15-04-1837

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 05/04/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-04-1837

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 04/23/15. They were assigned to Work Order 15-04-1837.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



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Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-04-1837
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 04/23/15 19:20
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-150423	15-04-1837-1	04/23/15 10:40	4	Aqueous


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Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150423	15-04-1837-1-C	04/23/15 10:40	Aqueous	N/A	04/25/15	04/25/15 15:00	F0425TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Method Blank	099-09-010-7150	N/A	Aqueous	N/A	04/25/15	04/25/15 15:00	F0425TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150423	15-04-1837-1-A	04/23/15 10:40	Aqueous	BUR06	05/01/15	05/01/15 18:00	F0501ODB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	340	5.0	4.8	1.00	

Method Blank	099-05-114-142	N/A	Aqueous	BUR06	05/01/15	05/01/15 18:00	F0501ODB1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: EPA 200.8
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150423	15-04-1837-1-B	04/23/15 10:40	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:42	150424LA4

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Arsenic	0.0196	0.0100	10.0	
Copper	0.0681	0.0100	10.0	
Lead	0.0356	0.0100	10.0	
Nickel	0.0110	0.0100	10.0	
Zinc	0.0607	0.0500	10.0	

Method Blank	099-16-094-811	N/A	Aqueous	ICP/MS 03	04/24/15	04/28/15 16:56	150424LA4
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Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	0.00100	1.00	
Copper	ND	0.00100	1.00	
Lead	ND	0.00100	1.00	
Nickel	ND	0.00100	1.00	
Zinc	ND	0.00500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC	Date Received:	04/23/15
27201 Puerta Real, Suite 350	Work Order:	15-04-1837
Mission Viejo, CA 92691-8306	Preparation:	EPA 245.1 Total
	Method:	EPA 245.1
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150423	15-04-1837-1-B	04/23/15 10:40	Aqueous	Mercury 04	04/29/15	04/29/15 18:54	150429L05

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Method Blank	099-04-008-7421	N/A	Aqueous	Mercury 04	04/29/15	04/29/15 18:39	150429L05
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150423	15-04-1837-1-D	04/23/15 10:40	Aqueous	GC 31	04/24/15	04/26/15 19:03	150424L09

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	50-135	
2,4,5,6-Tetrachloro-m-Xylene	86	50-135	

Method Blank	099-12-533-1029	N/A	Aqueous	GC 31	04/24/15	04/26/15 16:31	150424L09
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	50-135	
2,4,5,6-Tetrachloro-m-Xylene	85	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-1D-150423	Sample	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:42	150424SA4				
D-1D-150423	Matrix Spike	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:17	150424SA4				
D-1D-150423	Matrix Spike Duplicate	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:21	150424SA4				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.01955	0.1000	0.1130	93	0.1162	97	80-120	3	0-20	
Copper	0.06813	0.1000	0.1581	90	0.1644	96	80-120	4	0-20	
Lead	0.03557	0.1000	0.1426	107	0.1466	111	80-120	3	0-20	
Nickel	0.01096	0.1000	0.1023	91	0.1053	94	80-120	3	0-20	
Zinc	0.06074	0.1000	0.1506	90	0.1438	83	80-120	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 04/23/15
 Work Order: 15-04-1837
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-04-2087-1	Sample	Aqueous	Mercury 04	04/29/15	04/29/15 18:43	150429S05
15-04-2087-1	Matrix Spike	Aqueous	Mercury 04	04/29/15	04/29/15 18:50	150429S05
15-04-2087-1	Matrix Spike Duplicate	Aqueous	Mercury 04	04/29/15	04/29/15 18:52	150429S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009756	98	0.009284	93	57-141	5	0-10	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-04-1783-4	Sample	Aqueous	N/A	04/25/15 00:00	04/25/15 15:00	F0425TSSD1
15-04-1783-4	Sample Duplicate	Aqueous	N/A	04/25/15 00:00	04/25/15 15:00	F0425TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	4968	4974	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-150423	Sample	Aqueous	BUR06	05/01/15 00:00	05/01/15 18:00	F0501ODD1
D-1D-150423	Sample Duplicate	Aqueous	BUR06	05/01/15 00:00	05/01/15 18:00	F0501ODD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		342.0	334.0	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7150	LCS	Aqueous	N/A	04/25/15	04/25/15 15:00	F0425TSSL1			
099-09-010-7150	LCSD	Aqueous	N/A	04/25/15	04/25/15 15:00	F0425TSSL1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	88.00	88	85.00	85	80-120	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-811	LCS	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:03	150424LA4			
099-16-094-811	LCSD	Aqueous	ICP/MS 03	04/24/15	04/28/15 17:07	150424LA4			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.09570	96	0.09574	96	80-120	0	0-20	
Copper	0.1000	0.09792	98	0.09772	98	80-120	0	0-20	
Lead	0.1000	0.09700	97	0.09647	96	80-120	1	0-20	
Nickel	0.1000	0.09570	96	0.09571	96	80-120	0	0-20	
Zinc	0.1000	0.09891	99	0.09973	100	80-120	1	0-20	


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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7421	LCS	Aqueous	Mercury 04	04/29/15	04/29/15 18:41	150429L05			
099-04-008-7421	LCSD	Aqueous	Mercury 04	04/29/15	04/29/15 19:59	150429L05			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	0.009540	95	0.009223	92	85-121	3	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 04/23/15
Work Order: 15-04-1837
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1029	LCS	Aqueous	GC 31	04/24/15	04/26/15 16:50	150424L09			
099-12-533-1029	LCSD	Aqueous	GC 31	04/24/15	04/26/15 17:09	150424L09			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.761	88	1.752	88	50-135	1	0-25	
Aroclor-1260	2.000	2.103	105	2.016	101	50-135	4	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-04-1837

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 04/23/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 2.0 °C (w/ CF): 1.7 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671
Checked by: 802

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Container(s) for certain analysis free of headspace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_{na} 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 802

s = H₂SO₄, **u** = ultra-pure, **z_{na}** = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 977

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-JUN-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 161636

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0161636-01 Date: 5/14/2015 Time(s): 0820, 0910, 1010, 1050, 1220

24 hour composite

Sampler: N. Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		300
Solids, Total Suspended	mg/L		2.0
Copper, Total	mg/L		0.0347
Lead, Total	mg/L		0.0132
Nickel, Total	mg/L		0.0142
Zinc, Total	mg/L		0.0560
Arsenic, Total	mg/L	5	0.0188
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0161636-02 Date: 5/31/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	gals		05/01/2014	1,535,400
Ending Meter Read and Date	gals		05/31/2014	1,618,800
Average Flow/calendar day thru Connection	gpd			2,184
Imported Flow During Period	gals			67,700
Maximum gals/min thru meter	gpm	300		300
Minimum gals/min thru meter when discharging	gpm	50-		50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-JUN-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 161636

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0161636-03 Date: 5/14/2015 Time(s): 0820

Pesticide and PCB grab

Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <1.0

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

6-15-15

report due date

May 2015

monitoring period

Michael Abchner

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

6/9/15

Date



Environmental
Calscience

Supplemental Report 1

The original report has been revised/corrected.



WORK ORDER NUMBER: 15-05-1125

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Nicole Scott for

Approved for release on 05/27/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyard - North IUDP Discharge
 Work Order Number: 15-05-1125

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 05/14/15. They were assigned to Work Order 15-05-1125.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Work Order: 15-05-1125
Project Name: San Diego Shipyard - North IUDP Discharge
PO Number:
Date/Time Received: 05/14/15 19:15
Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-1D-150514	15-05-1125-1	05/14/15 08:20	4	Aqueous



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150514	15-05-1125-1-D	05/14/15 08:20	Aqueous	N/A	05/15/15	05/15/15 17:00	F0515TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	2.0	1.0	0.83	1.00	

Method Blank	099-09-010-7172	N/A	Aqueous	N/A	05/15/15	05/15/15 17:00	F0515TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC	Date Received:	05/14/15
27201 Puerta Real, Suite 350	Work Order:	15-05-1125
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150514	15-05-1125-1-A	05/14/15 08:20	Aqueous	BUR06	05/18/15	05/18/15 19:00	F0518ODB3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	300	5.0	4.8	1.00	

Method Blank	099-05-114-145	N/A	Aqueous	BUR06	05/18/15	05/18/15 19:00	F0518ODB3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	



Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC	Date Received:	05/14/15
27201 Puerta Real, Suite 350	Work Order:	15-05-1125
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	EPA 200.8
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150514	15-05-1125-1-B	05/14/15 08:20	Aqueous	ICP/MS 04	05/15/15	05/20/15 20:40	150515LA4A

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	0.0188	0.00100	0.000386	1.00	
Copper	0.0347	0.00100	0.000140	1.00	
Lead	0.0132	0.00100	0.0000898	1.00	
Nickel	0.0142	0.00100	0.000132	1.00	
Zinc	0.0560	0.00500	0.000479	1.00	

Method Blank	099-16-094-838	N/A	Aqueous	ICP/MS 04	05/15/15	05/18/15 21:52	150515LA4A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qualifiers</u>
Arsenic	ND	0.00100	0.000386	1.00	
Copper	ND	0.00100	0.000140	1.00	
Lead	ND	0.00100	0.0000898	1.00	
Nickel	ND	0.00100	0.000132	1.00	
Zinc	ND	0.00500	0.000479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC	Date Received:	05/14/15
27201 Puerta Real, Suite 350	Work Order:	15-05-1125
Mission Viejo, CA 92691-8306	Preparation:	EPA 245.1 Total
	Method:	EPA 245.1
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150514	15-05-1125-1-B	05/14/15 08:20	Aqueous	Mercury 04	05/20/15	05/20/15 21:11	150520L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Method Blank	099-04-008-7444	N/A	Aqueous	Mercury 04	05/20/15	05/20/15 20:36	150520L04
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/14/15
 Work Order: 15-05-1125
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-1D-150514	15-05-1125-1-C	05/14/15 08:20	Aqueous	GC 58	05/20/15	05/20/15 21:43	150520L08

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	112	50-135	
2,4,5,6-Tetrachloro-m-Xylene	100	50-135	

Method Blank	099-12-533-1040	N/A	Aqueous	GC 58	05/20/15	05/20/15 21:25	150520L08
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	50-135	
2,4,5,6-Tetrachloro-m-Xylene	106	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-1D-150514	Sample	Aqueous	ICP/MS 04	05/15/15	05/20/15 20:40	150515SA4A				
D-1D-150514	Matrix Spike	Aqueous	ICP/MS 04	05/15/15	05/20/15 20:35	150515SA4A				
D-1D-150514	Matrix Spike Duplicate	Aqueous	ICP/MS 04	05/15/15	05/20/15 20:38	150515SA4A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.01878	0.1000	0.1224	104	0.1193	101	80-120	3	0-20	
Copper	0.03473	0.1000	0.1171	82	0.1200	85	80-120	2	0-20	
Lead	0.01323	0.1000	0.1195	106	0.1233	110	80-120	3	0-20	
Nickel	0.01416	0.1000	0.1178	104	0.1176	103	80-120	0	0-20	
Zinc	0.05595	0.1000	0.1359	80	0.1349	79	80-120	1	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-1D-150514	Sample	Aqueous	Mercury 04	05/20/15	05/20/15 21:11	150520S04A
D-1D-150514	Matrix Spike	Aqueous	Mercury 04	05/20/15	05/20/15 20:53	150520S04A
D-1D-150514	Matrix Spike Duplicate	Aqueous	Mercury 04	05/20/15	05/20/15 20:56	150520S04A

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.008510	85	0.008429	84	57-141	1	0-10	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-05-0751-7	Sample	Aqueous	N/A	05/15/15 00:00	05/15/15 17:00	F0515TSSD1
15-05-0751-7	Sample Duplicate	Aqueous	N/A	05/15/15 00:00	05/15/15 17:00	F0515TSSD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Solids, Total Suspended		22.40	22.00	2	0-20	



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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/14/15
 Work Order: 15-05-1125
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-1D-150514	Sample	Aqueous	BUR06	05/18/15 00:00	05/18/15 19:00	F0518ODD3
D-1D-150514	Sample Duplicate	Aqueous	BUR06	05/18/15 00:00	05/18/15 19:00	F0518ODD3
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		295.7	291.8	1	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7172	LCS	Aqueous	N/A	05/15/15	05/15/15 17:00	F0515TSSL1			
099-09-010-7172	LCSD	Aqueous	N/A	05/15/15	05/15/15 17:00	F0515TSSL1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	109.0	109	107.0	107	80-120	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-838	LCS	Aqueous	ICP/MS 04	05/15/15	05/18/15 22:04	150515LA4A			
099-16-094-838	LCSD	Aqueous	ICP/MS 04	05/15/15	05/20/15 20:33	150515LA4A			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1028	103	0.09993	100	80-120	3	0-20	
Copper	0.1000	0.1009	101	0.1012	101	80-120	0	0-20	
Lead	0.1000	0.1009	101	0.09882	99	80-120	2	0-20	
Nickel	0.1000	0.1008	101	0.09933	99	80-120	1	0-20	
Zinc	0.1000	0.09995	100	0.1008	101	80-120	1	0-20	


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 05/14/15
Work Order: 15-05-1125
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-7444	LCS	Aqueous	Mercury 04	05/20/15	05/20/15 20:40	150520L04
099-04-008-7444	LCSD	Aqueous	Mercury 04	05/20/15	05/21/15 20:07	150520L04

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	0.009199	92	0.009499	95	85-121	3	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 05/14/15
 Work Order: 15-05-1125
 Preparation: EPA 3510C
 Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1040	LCS	Aqueous	GC 58	05/20/15	05/20/15 20:49	150520L08			
099-12-533-1040	LCSD	Aqueous	GC 58	05/20/15	05/20/15 21:07	150520L08			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.796	90	1.814	91	50-135	1	0-25	
Aroclor-1260	2.000	1.978	99	2.014	101	50-135	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-05-1125

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us 26_sales@eurofins.com or call us.

WQ # / LAB USE ONLY:
15-05-1125

DATE: 5/14/2015
 PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchorgea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT) **Nick Kennedy**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000003580** LOG CODE:

SPECIAL INSTRUCTIONS:
reporting to The North Trust
***only trust sample point written on bottles**
 Report J-flags
 For EDF, use field point name "D-ID" for all discharge samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Unpreserved	Preserved	Field Filtered	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids											
	HNO ₃		X	X														
	H ₂ SO ₄					X												
X					X													
X							X											

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
	D-ID-150514	5/14/15	0820, 0910, 1010, 1050, 1220	WS	1		HNO ₃	
	D-ID-150514	5/14/15	↓	WS	1		H ₂ SO ₄	
	D-ID-150514	5/14/15	0820	WS	1	X		
	D-ID-150514	5/14/15	0820, 0910, 1010, 1050, 1220	WS	1	X		

Relinquished by: (Signature) <i>Nick Kennedy</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 5/14/15	Time: 1500
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 5/14/15	Time: 1915
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Anchor QEA

DATE: 05/14/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.7 °C; [x] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by:)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 820

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 820

Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 965

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples [x] Yes [] No [] N/A

COC document(s) received complete [x] Yes [] No [] N/A

[] Sampling date [] Sampling time [] Matrix [] Number of containers

[] No analysis requested [] Not relinquished [] No relinquished date [] No relinquished time

Sampler's name indicated on COC [x] Yes [] No [] N/A

Sample container label(s) consistent with COC [x] Yes [] No [] N/A

Sample container(s) intact and in good condition [x] Yes [] No [] N/A

Proper containers for analyses requested [x] Yes [] No [] N/A

Sufficient volume/mass for analyses requested [x] Yes [] No [] N/A

Samples received within holding time [x] Yes [] No [] N/A

Aqueous samples for certain analyses received within 15-minute holding time

[] pH [] Residual Chlorine [] Dissolved Sulfide [] Dissolved Oxygen [] N/A

Proper preservation chemical(s) noted on COC and/or sample container [x] Yes [] No [] N/A

Unpreserved aqueous sample(s) received for certain analyses

[] Volatile Organics [] Total Metals [] Dissolved Metals

Container(s) for certain analysis free of headspace [] Yes [] No [x] N/A

[] Volatile Organics [] Dissolved Gases (RSK-175) [] Dissolved Oxygen (SM 4500)

[] Carbon Dioxide (SM 4500) [] Ferrous Iron (SM 3500) [] Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation [] Yes [] No [x] N/A

CONTAINER TYPE:

(Trip Blank Lot Number:)

Aqueous: [] VOA [] VOA_h [] VOA_{na2} [] 100PJ [] 100PJ_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [] 125PB

[] 125PB_{znna} [] 250AGB [] 250CGB [x] 250CGB_s [] 250PB [x] 250PB_{nu} [] 500AGB [] 500AGJ [] 500AGJ_s

[] 500PB [x] 1AGB [] 1AGB_{na2} [] 1AGB_s [x] 1PB [] 1PB_{na} [] [] [] [] []

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve () [] EnCores® () [] TerraCores® () []

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] Other Matrix (): [] []

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 965

s = H₂SO₄, u = ultra-pure, znna = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 774

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-JUL-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 162014

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0162014-01 Date: 6/4/2015 Time(s): 1110, 1150, 1320, 1440

24 hour composite

Sampler: Nicholas Kennedy Description: Clear water

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		260
Solids, Total Suspended	mg/L		6.0
Copper, Total	mg/L		0.0397
Lead, Total	mg/L		0.0421
Nickel, Total	mg/L		0.0194
Zinc, Total	mg/L		0.0859
Arsenic, Total	mg/L	5	0.0141
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0162014-02 Date: 6/30/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: Nicholas Kennedy Description: Clear water

Beginning Meter Read and Date	gals	6/1/2015	1,618,800
Ending Meter Read and Date	gals	6/30/2015	1,633,800
Average Flow/calendar day thru Connection	gpd		500
Imported Flow During Period	gals		15,000
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-JUL-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 162014

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0162014-03 Date: 6/4/2015 Time(s): 1110

Pesticide and PCB grab

Sampler: Nicholas Kennedy Description: Clear water

PCB's, Total ug/L 3 <1.0

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

7-15-15

report due date

June 2015

monitoring period

Michael A. Palmer

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

7/1/15

Date



WORK ORDER NUMBER: 15-06-0450

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 06/17/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-06-0450

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 06/04/15. They were assigned to Work Order 15-06-0450.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-06-0450
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 06/04/15 19:45
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-150604	15-06-0450-1	06/04/15 11:10	4	Aqueous

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: N/A
 Method: SM 2540 D
 Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150604	15-06-0450-1-D	06/04/15 11:10	Aqueous	N/A	06/10/15	06/10/15 20:00	F0610TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	6.0	1.0	0.83	1.00	

Method Blank	099-09-010-7200	N/A	Aqueous	N/A	06/10/15	06/10/15 20:00	F0610TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Analytical Report

ANCHOR QEA, LLC	Date Received:	06/04/15
27201 Puerta Real, Suite 350	Work Order:	15-06-0450
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150604	15-06-0450-1-B	06/04/15 11:10	Aqueous	BUR06	06/15/15	06/15/15 20:00	F0615ODL3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	260	5.0	4.8	1.00	

Method Blank	099-05-114-149	N/A	Aqueous	BUR06	06/15/15	06/15/15 20:00	F0615ODL3
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: N/A
 Method: EPA 200.8
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150604	15-06-0450-1-A	06/04/15 11:10	Aqueous	ICP/MS 04	06/05/15	06/08/15 19:01	150605LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	14.1	1.00	0.386	1.00	
Copper	39.7	1.00	0.140	1.00	
Lead	42.1	10.0	0.898	10.0	
Nickel	19.4	1.00	0.132	1.00	
Zinc	85.9	5.00	0.479	1.00	

Method Blank	099-16-094-873	N/A	Aqueous	ICP/MS 04	06/05/15	06/09/15 15:32	150605LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/04/15
Work Order: 15-06-0450
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150604	15-06-0450-1-A	06/04/15 11:10	Aqueous	Mercury 04	06/05/15	06/05/15 21:22	150605L07

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Method Blank	099-04-008-7461	N/A	Aqueous	Mercury 04	06/05/15	06/05/15 20:35	150605L07
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150604	15-06-0450-1-C	06/04/15 11:10	Aqueous	GC 31	06/05/15	06/06/15 19:48	150605L04

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	50-135	
2,4,5,6-Tetrachloro-m-Xylene	110	50-135	

Method Blank	099-12-533-1049	N/A	Aqueous	GC 31	06/05/15	06/06/15 19:29	150605L04
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	50-135	
2,4,5,6-Tetrachloro-m-Xylene	127	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/04/15
Work Order: 15-06-0450
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-ID-150604	Sample	Aqueous	ICP/MS 04	06/05/15	06/08/15 19:01	150605SA2				
D-ID-150604	Matrix Spike	Aqueous	ICP/MS 04	06/05/15	06/08/15 18:49	150605SA2				
D-ID-150604	Matrix Spike Duplicate	Aqueous	ICP/MS 04	06/05/15	06/08/15 18:53	150605SA2				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	14.07	100.0	76.85	63	78.49	64	80-120	2	0-20	3
Copper	39.69	100.0	100.8	61	115.2	76	80-120	13	0-20	3
Lead	42.10	100.0	157.3	115	157.6	115	80-120	0	0-20	
Nickel	19.37	100.0	87.42	68	89.32	70	80-120	2	0-20	3
Zinc	85.93	100.0	110.6	25	116.8	31	80-120	5	0-20	3


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/04/15
Work Order: 15-06-0450
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-06-0200-1	Sample	Aqueous	Mercury 04	06/05/15	06/05/15 20:55	150605S07
15-06-0200-1	Matrix Spike	Aqueous	Mercury 04	06/05/15	06/05/15 20:42	150605S07
15-06-0200-1	Matrix Spike Duplicate	Aqueous	Mercury 04	06/05/15	06/05/15 20:44	150605S07

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	9.812	98	9.941	99	57-141	1	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-06-0595-2	Sample	Aqueous	N/A	06/10/15 00:00	06/10/15 20:00	F0610TSSD1
15-06-0595-2	Sample Duplicate	Aqueous	N/A	06/10/15 00:00	06/10/15 20:00	F0610TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	420.0	432.0	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC	Date Received:	06/04/15
27201 Puerta Real, Suite 350	Work Order:	15-06-0450
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
Project: San Diego Shipyard - North IUDP Discharge		Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-150604	Sample	Aqueous	BUR06	06/15/15 00:00	06/15/15 20:00	F0615ODD3
D-ID-150604	Sample Duplicate	Aqueous	BUR06	06/15/15 00:00	06/15/15 20:00	F0615ODD3
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		257.0	253.0	2	0-25	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7200	LCS	Aqueous	N/A	06/10/15	06/10/15 20:00	F0610TSSL1
099-09-010-7200	LCSD	Aqueous	N/A	06/10/15	06/10/15 20:00	F0610TSSL1

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	120.0	120	117.0	117	80-120	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 06/04/15
 Work Order: 15-06-0450
 Preparation: N/A
 Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-873	LCS	Aqueous	ICP/MS 04	06/05/15	06/09/15 15:36	150605LA2			
099-16-094-873	LCSD	Aqueous	ICP/MS 04	06/05/15	06/09/15 15:40	150605LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	100.5	101	102.0	102	80-120	1	0-20	
Copper	100.0	102.5	102	103.2	103	80-120	1	0-20	
Lead	100.0	99.96	100	102.1	102	80-120	2	0-20	
Nickel	100.0	101.4	101	102.7	103	80-120	1	0-20	
Zinc	100.0	102.9	103	104.3	104	80-120	1	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/04/15
Work Order: 15-06-0450
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7461	LCS	Aqueous	Mercury 04	06/05/15	06/05/15 20:39	150605L07			
099-04-008-7461	LCSD	Aqueous	Mercury 04	06/05/15	06/08/15 19:16	150605L07			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	10.00	9.711	97	10.57	106	85-121	8	0-10	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 06/04/15
Work Order: 15-06-0450
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1049	LCS	Aqueous	GC 31	06/05/15	06/06/15 18:51	150605L04			
099-12-533-1049	LCSD	Aqueous	GC 31	06/05/15	06/06/15 19:10	150605L04			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.898	95	2.096	105	50-135	10	0-25	
Aroclor-1260	2.000	1.844	92	1.773	89	50-135	4	0-25	

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

WG # / LAB USE ONLY
15-06-0450

DATE: 6/4/2015
 PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchorqea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT) **Nick Kennedy**

REQUESTED ANALYSES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000003580** LOG CODE:

SPECIAL INSTRUCTIONS:
Reporting to the North Trust
** only first sample point*
written on bottles
 For EDF, use field point name "D-ID" for all discharge samples

Please check box or fill in blank as needed.

	Unpreserved	Preserved	Field Filtered	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids										
1		HNO ₃		X	X													
2		H ₂ SO ₄					X											
3	X					X												
4	X							X										
5																		

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
(NO)	SD-N-D-ID-150604	6/4/15	1100, 1150, 1320, 1440	WS	1			
	D-ID-150604	6/4/15	1100, 1150, 1320, 1440	WS	1			
	D-ID-150604	6/4/15	1110	WS	1	X		
	D-ID-150604	6/4/15	1110, 1150, 1320, 1440	WS	1	X		
	6/4/15							

Relinquished by: (Signature) <i>Nick Kennedy</i>	Received by: (Signature/Affiliation) <i>EG</i>	Date: 06/04/15	Time: 1530
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 6/4/15	Time: 1945
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 06/04/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.3°C); Temperature (w/o CF): 2.4 °C (w/ CF): 2.1 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 671
Checked by: 965

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Container(s) for certain analysis free of headspace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOAn₂ 100PJ 100PJn₂ 125AGB 125AGB_h 125AGB_p 125PB

125PBz_{na} 250AGB 250CGB 250CGB_s 250PB 250PBn_u 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGBn₂ 1AGB_s 1PB 1PBn_a _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (_____) _____ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 965

s = H₂SO₄, **u** = ultra-pure, **z_{na}** = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 679

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-AUG-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 162556

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0162556-01 Date: 7/24/2015 Time(s): 0642, 0742, 0842, 0942

24 hour composite

Sampler: Nicholas Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		980
Solids, Total Suspended	mg/L		8.3
Copper, Total	mg/L		0.0492
Lead, Total	mg/L		0.0567
Nickel, Total	mg/L		0.0201
Zinc, Total	mg/L		0.0539
Arsenic, Total	mg/L	5	0.0232
Mercury, Total	mg/L	.2	0.000128 J

Sample#: 0162556-02 Date: 7/31/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: Nicholas Kennedy Description: Clear water

Beginning Meter Read and Date	gals	7/1/2015	1,633,800
Ending Meter Read and Date	gals	7/31/2015	1,672,700
Average Flow/calendar day thru Connection	gpd		1,255
Imported Flow During Period	gals		38,900
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-AUG-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 162556

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Euofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0162556-03 Date: 7/24/2015 Time(s): 0642

Pesticide and PCB grab

Sampler: Nicholas Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.97

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

8-15-15 July 15

report due date

monitoring period

Michael Palmer
Print Name

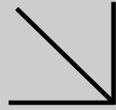
Project Coordinator
Title


Signature
(Attach to Industry Self-Monitoring Form)

8/15/15
Date



Calscience



WORK ORDER NUMBER: 15-07-1631

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard - North IUDP
Discharge

Attention: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 08/03/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-07-1631

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/24/15. They were assigned to Work Order 15-07-1631.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-07-1631
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard - North IUDP Discharge
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 07/24/15 19:05
	Number of Containers: 4

Attn: Adam Gale

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-150724	15-07-1631-1	07/24/15 06:42	4	Aqueous



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-iD-150724	15-07-1631-1-A	07/24/15 06:42	Aqueous	N/A	07/28/15	07/28/15 20:00	F0728TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	8.3	1.0	0.83	1.00	

Method Blank	099-09-010-7250	N/A	Aqueous	N/A	07/28/15	07/28/15 20:00	F0728TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

ANCHOR QEA, LLC	Date Received:	07/24/15
27201 Puerta Real, Suite 350	Work Order:	15-07-1631
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-iD-150724	15-07-1631-1-C	07/24/15 06:42	Aqueous	BUR06	08/01/15	08/01/15 16:00	F0801ODB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	980	25	24	5.00	

Method Blank	099-05-114-151	N/A	Aqueous	BUR06	08/01/15	08/01/15 16:00	F0801ODB1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: N/A
Method: EPA 200.8
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-iD-150724	15-07-1631-1-D	07/24/15 06:42	Aqueous	ICP/MS 04	07/27/15	07/28/15 19:06	150727LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	23.2	1.00	0.386	1.00	
Copper	49.2	1.00	0.140	1.00	
Lead	56.7	1.00	0.0898	1.00	
Nickel	20.1	1.00	0.132	1.00	
Zinc	53.9	5.00	0.479	1.00	

Method Blank	099-16-094-910	N/A	Aqueous	ICP/MS 04	07/27/15	07/28/15 18:28	150727LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC	Date Received:	07/24/15
27201 Puerta Real, Suite 350	Work Order:	15-07-1631
Mission Viejo, CA 92691-8306	Preparation:	EPA 245.1 Total
	Method:	EPA 245.1
	Units:	ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-iD-150724	15-07-1631-1-D	07/24/15 06:42	Aqueous	Mercury 04	07/25/15	07/28/15 16:23	150725LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.128	0.200	0.0453	1.00	J

Method Blank	099-04-008-7507	N/A	Aqueous	Mercury 04	07/25/15	07/27/15 15:59	150725LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-iD-150724	15-07-1631-1-B	07/24/15 06:42	Aqueous	GC 31	07/28/15	07/29/15 22:24	150728L08

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.97	0.29	1.00	
Aroclor-1221	ND	0.97	0.27	1.00	
Aroclor-1232	ND	0.97	0.24	1.00	
Aroclor-1242	ND	0.97	0.17	1.00	
Aroclor-1248	ND	0.97	0.20	1.00	
Aroclor-1254	ND	0.97	0.22	1.00	
Aroclor-1260	ND	0.97	0.26	1.00	
Aroclor-1262	ND	0.97	0.25	1.00	
Aroclor-1268	ND	0.97	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-135	
2,4,5,6-Tetrachloro-m-Xylene	76	50-135	

Method Blank	099-12-533-1068	N/A	Aqueous	GC 31	07/28/15	07/29/15 21:26	150728L08
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	50-135	
2,4,5,6-Tetrachloro-m-Xylene	93	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-iD-150724	Sample	Aqueous	ICP/MS 04	07/27/15	07/28/15 19:06	150727SA2				
D-iD-150724	Matrix Spike	Aqueous	ICP/MS 04	07/27/15	07/28/15 18:39	150727SA2				
D-iD-150724	Matrix Spike Duplicate	Aqueous	ICP/MS 04	07/27/15	07/28/15 18:43	150727SA2				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	23.25	100.0	116.8	94	108.7	85	80-120	7	0-20	
Copper	49.16	100.0	139.4	90	132.1	83	80-120	5	0-20	
Lead	56.73	100.0	176.9	120	165.4	109	80-120	7	0-20	
Nickel	20.13	100.0	113.2	93	104.4	84	80-120	8	0-20	
Zinc	53.88	100.0	143.9	90	110.4	56	80-120	26	0-20	3,4


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-07-1306-1	Sample	Aqueous	Mercury 04	07/25/15	07/27/15 16:04	150725SA2
15-07-1306-1	Matrix Spike	Aqueous	Mercury 04	07/25/15	07/27/15 16:06	150725SA2
15-07-1306-1	Matrix Spike Duplicate	Aqueous	Mercury 04	07/25/15	07/27/15 16:08	150725SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.05	100	9.998	100	57-141	1	0-10	


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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - PDS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1631
 Preparation: N/A
 Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
D-iD-150724	Sample	Aqueous	ICP/MS 04	07/27/15 00:00	07/28/15 19:06	150727SA2
D-iD-150724	PDS	Aqueous	ICP/MS 04	07/27/15 00:00	07/28/15 18:47	150727SA2
Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Arsenic	23.25	100.0	115.9	93	75-125	
Copper	49.16	100.0	141.5	92	75-125	
Lead	56.73	100.0	176.3	120	75-125	
Nickel	20.13	100.0	111.8	92	75-125	
Zinc	53.88	100.0	128.0	74	75-125	5

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-07-1452-2	Sample	Aqueous	N/A	07/28/15 00:00	07/28/15 20:00	F0728TSSD1
15-07-1452-2	Sample Duplicate	Aqueous	N/A	07/28/15 00:00	07/28/15 20:00	F0728TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	828.0	782.0	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: N/A
Method: SM 5220 C

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-150724	Sample	Aqueous	BUR06	08/01/15 00:00	08/01/15 16:00	F0801ODD1
D-ID-150724	Sample Duplicate	Aqueous	BUR06	08/01/15 00:00	08/01/15 16:00	F0801ODD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		980.0	1000	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1631
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7250	LCS	Aqueous	N/A	07/28/15	07/28/15 20:00	F0728TSSL1			
099-09-010-7250	LCSD	Aqueous	N/A	07/28/15	07/28/15 20:00	F0728TSSL1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	113.0	113	110.0	110	80-120	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1631
 Preparation: N/A
 Method: EPA 200.8

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-910	LCS	Aqueous	ICP/MS 04	07/27/15	07/28/15 18:31	150727LA2			
099-16-094-910	LCSD	Aqueous	ICP/MS 04	07/27/15	07/28/15 18:35	150727LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	103.6	104	103.2	103	80-120	0	0-20	
Copper	100.0	107.3	107	109.1	109	80-120	2	0-20	
Lead	100.0	102.8	103	102.2	102	80-120	1	0-20	
Nickel	100.0	103.3	103	105.7	106	80-120	2	0-20	
Zinc	100.0	110.5	111	110.1	110	80-120	0	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 07/24/15
 Work Order: 15-07-1631
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7507	LCS	Aqueous	Mercury 04	07/25/15	07/27/15 16:01	150725LA2
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	10.40	104	85-121	

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RPD: Relative Percent Difference. CL: Control Limits



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Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 07/24/15
Work Order: 15-07-1631
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard - North IUDP Discharge

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1068	LCS	Aqueous	GC 31	07/28/15	07/29/15 21:45	150728L08			
099-12-533-1068	LCSD	Aqueous	GC 31	07/28/15	07/29/15 22:05	150728L08			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.885	94	1.875	94	50-135	1	0-25	
Aroclor-1260	2.000	1.933	97	1.930	96	50-135	0	0-25	


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RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-07-1631

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WG #7-LAB USE ONLY
15-07-1631

DATE: 7/24/2015
PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Misson Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **agale@anchoragea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyards – North IUDP Discharge** P.O. NO.:

PROJECT CONTACT: **Adam Gale** SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000603580** LOG CODE:

SPECIAL INSTRUCTIONS:
*Reporting to the North Trust
* only first sample point written
on sample bottles
For EDF, use field point name "D-ID" for all discharge samples*

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Unpreserved	Preserved	Field Filtered	EPA 200.8 As, Cu, Pb, Ni, Zn	EPA 245.1 Mercury	EPA 8082 PCB Aroclors	SM 5220 C Chemical Oxygen Demand	SM 2540 D Total Suspended Solids											
	HNO ₃		X	X														
	H ₂ SO ₄					X												
X					X													
X							X											

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered
		DATE	TIME					
	D-ID-150724	7/24/15	0642, 0742 0842, 0942	WS	1		HNO ₃	
	D-ID-150724		0642, 0742 0842, 0942	WS	1		H ₂ SO ₄	
	D-ID-150724		0642	WS	1	X		
	D-ID-150724		0642, 0742 0842, 0942	WS	1	X		

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 07/24/15	Time: 1410
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 7/24/15	Time: 1905
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR OEA

DATE: 07/24/2015

TEMPERATURE: (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)
Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.4 °C (w/ CF): 22 °C; [X] Blank [] Sample
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
[] Sample(s) received at ambient temperature; placed on ice for transport by courier
Ambient Temperature: [] Air [] Filter Checked by: 671

CUSTODY SEAL:
Cooler [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A Checked by: 671
Sample(s) [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A Checked by: 681

Table with columns: SAMPLE CONDITION, Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: [] VOA [] VOA h [] VOAn2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB
[] 125PBz nna [] 250AGB [] 250CGB [X] 250CGBs [] 250PB [X] 250PBnu [] 500AGB [] 500AGJ [] 500AGJs
[] 500PB [X] 1AGB [] 1AGBna2 [] 1AGBs [X] 1PB [] 1PBna [] [] [] [] []
Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® (____) [] TerraCores® (____) []
Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] [] Other Matrix (____): [] []
Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag
Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 681
s = H2SO4, u = ultra-pure, z nna = Zn(CH3CO2)2 + NaOH Reviewed by: 502

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-SEP-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 163015

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage
 trucker traffic. Sample tank (SB7017) will be located closest to bay.
 Autosampler placed on the ground closest to sample tank manhole. Access
 sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0163015-01 Date: 8/4/2015 Time(s): 1000,1030, 1100, 1130

24 hour composite
 Sampler: N. Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		500
Solids, Total Suspended	mg/L		3.7
Copper, Total	mg/L		0.0230
Lead, Total	mg/L		0.0210
Nickel, Total	mg/L		0.0133
Zinc, Total	mg/L		0.0649
Arsenic, Total	mg/L	5	0.0118
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0163015-02 Date: 8/31/2015 Time(s): 0700

Evaluation only (no sample)
 Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	gals	8/1/2015	533,600
Ending Meter Read and Date	gals	8/31/2015	546,400
Average Flow/calendar day thru Connection	gpd		413
Imported Flow During Period	gals		12,800
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-SEP-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 163015

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0163015-03 Date: 8/4/2015 Time(s): 1000

Pesticide and PCB grab

Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.96

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

9/15/2015

report due date

August 2015

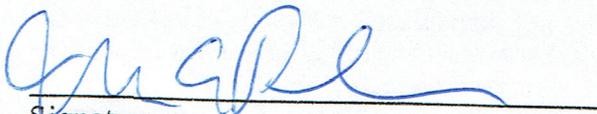
monitoring period

Michael A. Palmer

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

8/27/2015

Date



WORK ORDER NUMBER: 15-08-0227

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 08/13/2015 by:
Danielle Gonsman
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyard North 131002-01.03
 Work Order Number: 15-08-0227

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/04/15. They were assigned to Work Order 15-08-0227.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-08-0227
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 08/04/15 19:19
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-150804	15-08-0227-1	08/04/15 10:00	4	Aqueous

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150804	15-08-0227-1-D	08/04/15 10:00	Aqueous	N/A	08/10/15	08/10/15 17:00	F0810TSSL1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	3.7	1.0	0.83	1.00	

Method Blank	099-09-010-7261	N/A	Aqueous	N/A	08/10/15	08/10/15 17:00	F0810TSSL1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/04/15
 Work Order: 15-08-0227
 Preparation: N/A
 Method: SM 5220 C
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150804	15-08-0227-1-B	08/04/15 10:00	Aqueous	BUR06	08/11/15	08/11/15 19:00	F0811ODB3

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	500	10	9.5	2.00	

Method Blank	099-05-114-152	N/A	Aqueous	BUR06	08/11/15	08/11/15 19:00	F0811ODB3
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/04/15
 Work Order: 15-08-0227
 Preparation: N/A
 Method: EPA 200.8
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150804	15-08-0227-1-A	08/04/15 10:00	Aqueous	ICP/MS 03	08/05/15	08/07/15 17:06	150805LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	0.0118	0.0100	0.00386	10.0	
Copper	0.0230	0.0100	0.00140	10.0	
Lead	0.0210	0.0100	0.000898	10.0	
Nickel	0.0133	0.0100	0.00132	10.0	
Zinc	0.0649	0.0500	0.00479	10.0	

Method Blank	099-16-094-916	N/A	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:37	150805LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	0.00100	0.000386	1.00	
Copper	ND	0.00100	0.000140	1.00	
Lead	ND	0.00100	0.0000898	1.00	
Nickel	ND	0.00100	0.000132	1.00	
Zinc	ND	0.00500	0.000479	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/04/15
 Work Order: 15-08-0227
 Preparation: EPA 245.1 Total
 Method: EPA 245.1
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150804	15-08-0227-1-A	08/04/15 10:00	Aqueous	Mercury 04	08/05/15	08/05/15 18:24	150805LA1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Method Blank	099-04-008-7521	N/A	Aqueous	Mercury 04	08/05/15	08/05/15 18:08	150805LA1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/04/15
 Work Order: 15-08-0227
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150804	15-08-0227-1-C	08/04/15 10:00	Aqueous	GC 31	08/05/15	08/07/15 02:27	150805L06

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.96	0.28	1.00	
Aroclor-1221	ND	0.96	0.27	1.00	
Aroclor-1232	ND	0.96	0.24	1.00	
Aroclor-1242	ND	0.96	0.17	1.00	
Aroclor-1248	ND	0.96	0.19	1.00	
Aroclor-1254	ND	0.96	0.22	1.00	
Aroclor-1260	ND	0.96	0.25	1.00	
Aroclor-1262	ND	0.96	0.25	1.00	
Aroclor-1268	ND	0.96	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	56	50-135	
2,4,5,6-Tetrachloro-m-Xylene	85	50-135	

Method Blank	099-12-533-1072	N/A	Aqueous	GC 31	08/05/15	08/07/15 02:08	150805L06
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-135	
2,4,5,6-Tetrachloro-m-Xylene	95	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: TR
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-0170-1	Sample	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:58	150805SA2B
15-08-0170-1	Matrix Spike	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:47	150805SA2B
15-08-0170-1	Matrix Spike Duplicate	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:51	150805SA2B

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.1073	107	0.09929	99	80-120	8	0-20	
Copper	ND	0.1000	0.1070	107	0.09919	99	80-120	8	0-20	
Lead	ND	0.1000	0.1103	110	0.1019	102	80-120	8	0-20	
Nickel	0.002011	0.1000	0.1048	103	0.09761	96	80-120	7	0-20	
Zinc	0.006392	0.1000	0.1023	96	0.09085	84	80-120	12	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-0221-1	Sample	Aqueous	Mercury 04	08/05/15	08/05/15 18:15	150805SA1
15-08-0221-1	Matrix Spike	Aqueous	Mercury 04	08/05/15	08/05/15 18:17	150805SA1
15-08-0221-1	Matrix Spike Duplicate	Aqueous	Mercury 04	08/05/15	08/05/15 18:20	150805SA1

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.09	101	9.988	100	57-141	1	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 08/04/15
 Work Order: 15-08-0227
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-08-0255-2	Sample	Aqueous	N/A	08/10/15 00:00	08/10/15 17:00	F0810TSSD2
15-08-0255-2	Sample Duplicate	Aqueous	N/A	08/10/15 00:00	08/10/15 17:00	F0810TSSD2
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Solids, Total Suspended		626.0	650.0	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: N/A
Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-150804	Sample	Aqueous	BUR06	08/11/15 00:00	08/11/15 19:00	F0811ODD3
D-ID-150804	Sample Duplicate	Aqueous	BUR06	08/11/15 00:00	08/11/15 19:00	F0811ODD3
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		500.0	492.0	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7261	LCS	Aqueous	N/A	08/10/15	08/10/15 17:00	F0810TSSL1			
099-09-010-7261	LCSD	Aqueous	N/A	08/10/15	08/10/15 17:00	F0810TSSL1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	115.0	115	116.0	116	80-120	1	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-916	LCS	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:40	150805LA2			
099-16-094-916	LCSD	Aqueous	ICP/MS 03	08/05/15	08/07/15 13:44	150805LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1023	102	0.1022	102	80-120	0	0-20	
Copper	0.1000	0.1026	103	0.1022	102	80-120	0	0-20	
Lead	0.1000	0.09907	99	0.09797	98	80-120	1	0-20	
Nickel	0.1000	0.09824	98	0.09813	98	80-120	0	0-20	
Zinc	0.1000	0.1002	100	0.09860	99	80-120	2	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7521	LCS	Aqueous	Mercury 04	08/05/15	08/05/15 18:11	150805LA1			
099-04-008-7521	LCSD	Aqueous	Mercury 04	08/05/15	08/05/15 18:13	150805LA1			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	10.00	11.65	117	11.44	114	85-121	2	0-10	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 08/04/15
Work Order: 15-08-0227
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1072	LCS	Aqueous	GC 31	08/05/15	08/07/15 01:29	150805L06			
099-12-533-1072	LCSD	Aqueous	GC 31	08/05/15	08/07/15 01:49	150805L06			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.060	103	2.066	103	50-135	0	0-25	
Aroclor-1260	2.000	2.073	104	2.158	108	50-135	4	0-25	

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 08 / 04 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.4 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1013

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_{nu} 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1013

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 681

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SAMPLE ANOMALY REPORT

DATE: 08 / 4 / 2015

SAMPLES, CONTAINERS, AND LABELS:

- Sample(s) NOT RECEIVED but listed on COC
- Sample(s) received but NOT LISTED on COC
- Holding time expired (list client or ECI sample ID and analysis)
- Insufficient sample amount for requested analysis (list analysis)
- Improper container(s) used (list analysis)
- Improper preservative used (list analysis)
- No preservative noted on COC or label (list analysis and notify lab)
- Sample container(s) not labeled
- Client sample label(s) illegible (list container type and analysis)
- Client sample label(s) do not match COC (comment)
 - Project information
 - Client sample ID
 - Sampling date and/or time
 - Number of container(s)
 - Requested analysis
- Sample container(s) compromised (comment)
 - Broken
 - Water present in sample container
- Air sample container(s) compromised (comment)
 - Flat
 - Very low in volume
 - Leaking (not transferred; duplicate bag submitted)
 - Leaking (transferred into ECI Tedlar™ bags*)
 - Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

Comments

Comments

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

Reported by: 1013
 Reviewed by: 691

** Record the total number of containers (i.e., vials or bottles) for the affected sample.



INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-OCT-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 163389

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0163389-01 Date: 9/14/2015 Time(s): 1320
 0710, 0810, 0910, 1005, 1140, 1240,

24 hour composite

Sampler: Nicholas Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		300
Solids, Total Suspended	mg/L		11
Copper, Total	mg/L		0.0190
Lead, Total	mg/L		0.0226
Nickel, Total	mg/L		0.0118
Zinc, Total	mg/L		0.0355
Arsenic, Total	mg/L	5	0.00386
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0163389-02 Date: 9/30/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: Nicholas Kennedy Description: Clear water

Beginning Meter Read and Date	gals	9/1/2015	1,685,500
Ending Meter Read and Date	gals	9/30/2015	1,780,000
Average Flow/calendar day thru Connection	gpd		3,150
Imported Flow During Period	gals		94,500
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-OCT-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 163389

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0163389-03 Date: 9/14/2015 Time(s): 0710

Pesticide and PCB grab

Sampler: Nicholas Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.96

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

10-15-15 September 2015

report due date

monitoring period

Michael A. Peltone

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

10/6/15

Date



WORK ORDER NUMBER: 15-09-1013

The difference is service



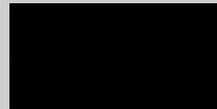
AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306



Approved for release on 09/29/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

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 Work Order Number: 15-09-1013

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/14/15. They were assigned to Work Order 15-09-1013.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-09-1013
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 09/14/15 17:45
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-150914	15-09-1013-1	09/14/15 00:00	4	Aqueous

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150914	15-09-1013-1-C	09/14/15 00:00	Aqueous	N/A	09/18/15	09/18/15 18:00	F0918TSSL1

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	11	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-010-7309	N/A	Aqueous	N/A	09/18/15	09/18/15 18:00	F0918TSSL1

Parameter	Result	RL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	1.00	

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150914	15-09-1013-1-A	09/14/15 00:00	Aqueous	BUR06	09/21/15	09/21/15 19:40	F0921ODB3

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	300	5.0	1.00	

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
	099-05-114-158	N/A	Aqueous	BUR06	09/21/15	09/21/15 19:40	F0921ODB3

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: N/A
 Method: EPA 200.8
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150914	15-09-1013-1-B	09/14/15 00:00	Aqueous	ICP/MS 03	09/15/15	09/17/15 06:36	150915LA4B

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	0.00386	0.00100	0.000386	1.00	
Copper	0.0190	0.00100	0.000140	1.00	
Lead	0.0226	0.00100	0.0000898	1.00	
Nickel	0.0118	0.00100	0.000132	1.00	
Zinc	0.0355	0.00500	0.000479	1.00	

Method Blank	099-16-094-963	N/A	Aqueous	ICP/MS 03	09/15/15	09/19/15 03:12	150915LA4B
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	0.00100	0.000386	1.00	
Copper	ND	0.00100	0.000140	1.00	
Lead	ND	0.00100	0.0000898	1.00	
Nickel	ND	0.00100	0.000132	1.00	
Zinc	ND	0.00500	0.000479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: EPA 245.1 Total
 Method: EPA 245.1
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150914	15-09-1013-1-B	09/14/15 00:00	Aqueous	Mercury 04	09/17/15	09/17/15 18:36	150917LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Method Blank	099-04-008-7569	N/A	Aqueous	Mercury 04	09/17/15	09/17/15 18:27	150917LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-150914	15-09-1013-1-D	09/14/15 00:00	Aqueous	GC 58	09/15/15	09/16/15 11:42	150915L07

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.96	0.28	1.00	
Aroclor-1221	ND	0.96	0.27	1.00	
Aroclor-1232	ND	0.96	0.24	1.00	
Aroclor-1242	ND	0.96	0.17	1.00	
Aroclor-1248	ND	0.96	0.19	1.00	
Aroclor-1254	ND	0.96	0.22	1.00	
Aroclor-1260	ND	0.96	0.25	1.00	
Aroclor-1262	ND	0.96	0.25	1.00	
Aroclor-1268	ND	0.96	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	50-135	
2,4,5,6-Tetrachloro-m-Xylene	107	50-135	

Method Blank	099-12-533-1087	N/A	Aqueous	GC 58	09/15/15	09/16/15 11:24	150915L07
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	50-135	
2,4,5,6-Tetrachloro-m-Xylene	102	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-09-0963-1	Sample	Aqueous	ICP/MS 03	09/15/15	09/18/15 16:54	150915SA4
15-09-0963-1	Matrix Spike	Aqueous	ICP/MS 03	09/15/15	09/18/15 16:44	150915SA4
15-09-0963-1	Matrix Spike Duplicate	Aqueous	ICP/MS 03	09/15/15	09/18/15 16:47	150915SA4

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.1040	104	0.1056	106	80-120	1	0-20	
Copper	ND	0.1000	0.1045	105	0.1060	106	80-120	1	0-20	
Lead	ND	0.1000	0.1045	105	0.1051	105	80-120	1	0-20	
Nickel	ND	0.1000	0.1007	101	0.1023	102	80-120	2	0-20	
Zinc	ND	0.1000	0.1005	100	0.1077	108	80-120	7	0-20	



Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
D-ID-150914	Sample	Aqueous	Mercury 04	09/17/15	09/17/15 18:36	150917SA2
D-ID-150914	Matrix Spike	Aqueous	Mercury 04	09/17/15	09/17/15 18:38	150917SA2
D-ID-150914	Matrix Spike Duplicate	Aqueous	Mercury 04	09/17/15	09/17/15 18:40	150917SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.007859	79	0.007798	78	57-141	1	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-09-0949-2	Sample	Aqueous	N/A	09/18/15 00:00	09/18/15 18:00	F0918TSSD1
15-09-0949-2	Sample Duplicate	Aqueous	N/A	09/18/15 00:00	09/18/15 18:00	F0918TSSD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	614.0	614.0	0	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-150914	Sample	Aqueous	BUR06	09/21/15 00:00	09/21/15 19:40	F0921ODD3
D-ID-150914	Sample Duplicate	Aqueous	BUR06	09/21/15 00:00	09/21/15 19:40	F0921ODD3
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		298.0	290.0	3	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 09/14/15
 Work Order: 15-09-1013
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-010-7309	LCS	Aqueous	N/A	09/18/15	09/18/15 18:00	F0918TSSL1
099-09-010-7309	LCSD	Aqueous	N/A	09/18/15	09/18/15 18:00	F0918TSSL1

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	87.00	87	90.00	90	80-120	3	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-963	LCS	Aqueous	ICP/MS 03	09/15/15	09/19/15 03:15	150915LA4B			
099-16-094-963	LCSD	Aqueous	ICP/MS 03	09/15/15	09/21/15 17:48	150915LA4B			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1003	100	0.09849	98	80-120	2	0-20	
Copper	0.1000	0.09999	100	0.1008	101	80-120	1	0-20	
Lead	0.1000	0.1033	103	0.1018	102	80-120	1	0-20	
Nickel	0.1000	0.09731	97	0.09723	97	80-120	0	0-20	
Zinc	0.1000	0.09897	99	0.1001	100	80-120	1	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7569	LCS	Aqueous	Mercury 04	09/17/15	09/17/15 18:33	150917LA2			
099-04-008-7569	LCSD	Aqueous	Mercury 04	09/17/15	09/21/15 21:15	150917LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	0.009189	92	0.009208	92	85-121	0	0-10	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 09/14/15
Work Order: 15-09-1013
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1087	LCS	Aqueous	GC 58	09/15/15	09/16/15 12:00	150915L07			
099-12-533-1087	LCSD	Aqueous	GC 58	09/15/15	09/16/15 12:18	150915L07			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.034	102	2.233	112	50-135	9	0-25	
Aroclor-1260	2.000	1.755	88	1.950	98	50-135	11	0-25	

Glossary of Terms and Qualifiers

Work Order: 15-09-1013

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 09/14/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 28 °C (w/ CF): 2.6 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1017

SAMPLE CONDITION:

Chain-of-Custody (COC) document(s) received with samples Yes No N/A

COC document(s) received complete Yes No N/A

Sampling date Sampling time Matrix Number of containers

No analysis requested Not relinquished No relinquished date No relinquished time

Sampler's name indicated on COC Yes No N/A

Sample container label(s) consistent with COC Yes No N/A

Sample container(s) intact and in good condition Yes No N/A

Proper containers for analyses requested Yes No N/A

Sufficient volume/mass for analyses requested Yes No N/A

Samples received within holding time Yes No N/A

Aqueous samples for certain analyses received within 15-minute holding time

pH Residual Chlorine Dissolved Sulfide Dissolved Oxygen Yes No N/A

Proper preservation chemical(s) noted on COC and/or sample container Yes No N/A

Unpreserved aqueous sample(s) received for certain analyses

Volatile Organics Total Metals Dissolved Metals

Container(s) for certain analysis free of headspace Yes No N/A

Volatile Organics Dissolved Gases (RSK-175) Dissolved Oxygen (SM 4500)

Carbon Dioxide (SM 4500) Ferrous Iron (SM 3500) Hydrogen Sulfide (Hach)

Tedlar™ bag(s) free of condensation Yes No N/A

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_u 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____) _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1017

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 159

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-NOV-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 164058

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0164058-01 Date: 10/05/2015 Time(s): 0745, 0830, 0930, 1215

24 hour composite

Sampler: Nicholas Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		280
Solids, Total Suspended	mg/L		71
Copper, Total	mg/L		0.0331
Lead, Total	mg/L		0.0136
Nickel, Total	mg/L		0.0199
Zinc, Total	mg/L		0.0550
Arsenic, Total	mg/L	5	0.0564
Mercury, Total	mg/L	.2	0.0000488

Sample#: 0164058-02 Date: 10/31/2015 Time(s): 0700

Evaluation only (no sample)

Sampler: Nicholas Kennedy Description: Clear water

Beginning Meter Read and Date	gals	10/1/2015	1,780,000
Ending Meter Read and Date	gals	10/31/2015	1,803,000
Average Flow/calendar day thru Connection	gpd		741
Imported Flow During Period	gals		23,000
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-NOV-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 164058

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0164058-03 Date: 10/05/2015 Time(s): 0745

Pesticide and PCB grab

Sampler: Nicholas Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.97

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

111 - 0564

facility number

11-15-15 October 2015

report due date

monitoring period

Michael Alchner

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

11/2/2015

Date



WORK ORDER NUMBER: 15-10-0318

The difference is service



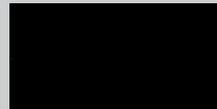
AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306



Approved for release on 10/14/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Client Project Name: San Diego Shipyard North 131002-01.03
 Work Order Number: 15-10-0318

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/05/15. They were assigned to Work Order 15-10-0318.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-10-0318
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 10/05/15 17:15
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-151005	15-10-0318-1	10/05/15 07:45	4	Aqueous

QC Association Summary

Work Order: 15-10-0318

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<u>Client Sample ID</u>	<u>Method Name</u>	<u>Type</u>	<u>Ext Name</u>	<u>Instrument</u>	<u>MS/MSD/SDP</u>	<u>LCS/LCSD</u>
D-ID-151005	EPA 200.8 ICP/MS Metals		N/A	ICP/MS 03	151006SA6A	151006LA6A
D-ID-151005	EPA 245.1 Mercury		EPA 245.1 Total	Mercury 04	151008SA2	151008LA2
D-ID-151005	EPA 8082 PCB Aroclors		EPA 3510C	GC 31		151006L17
D-ID-151005	SM 2540 D Total Suspended Solids		N/A	N/A	F1007TSSD2	F1007TSSL2
D-ID-151005	SM 5220 C Chemical Oxygen Demand		N/A	BUR06	F1008ODD2	F1008ODB2

Analytical Report

ANCHOR QEA, LLC	Date Received:	10/05/15
27201 Puerta Real, Suite 350	Work Order:	15-10-0318
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 2540 D
	Units:	mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151005	15-10-0318-1-B	10/05/15 07:45	Aqueous	N/A	10/07/15	10/07/15 20:30	F1007TSSL2

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Solids, Total Suspended	71	1.0	1.00	

Method Blank	099-09-010-7344	N/A	Aqueous	N/A	10/07/15	10/07/15 20:30	F1007TSSL2
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Solids, Total Suspended	ND	1.0	1.00	

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151005	15-10-0318-1-C	10/05/15 07:45	Aqueous	BUR06	10/08/15	10/08/15 18:00	F1008ODB2

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	280	5.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-114-162	N/A	Aqueous	BUR06	10/08/15	10/08/15 18:00	F1008ODB2

Parameter	Result	RL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/05/15
 Work Order: 15-10-0318
 Preparation: N/A
 Method: EPA 200.8
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151005	15-10-0318-1-D	10/05/15 07:45	Aqueous	ICP/MS 03	10/06/15	10/13/15 12:06	151006LA6A

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	0.0564	0.0100	0.00386	10.0	
Copper	0.0331	0.0100	0.00140	10.0	
Lead	0.0136	0.0100	0.000898	10.0	
Nickel	0.0199	0.0100	0.00132	10.0	
Zinc	0.0550	0.0500	0.00479	10.0	

Method Blank	099-16-094-1001	N/A	Aqueous	ICP/MS 03	10/06/15	10/13/15 11:49	151006LA6A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	0.00100	0.000386	1.00	
Copper	ND	0.00100	0.000140	1.00	
Lead	ND	0.00100	0.0000898	1.00	
Nickel	ND	0.00100	0.000132	1.00	
Zinc	ND	0.00500	0.000479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC 27201 Puerta Real, Suite 350 Mission Viejo, CA 92691-8306	Date Received: 10/05/15 Work Order: 15-10-0318 Preparation: EPA 245.1 Total Method: EPA 245.1 Units: mg/L
Project: San Diego Shipyard North 131002-01.03	Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151005	15-10-0318-1-D	10/05/15 07:45	Aqueous	Mercury 04	10/08/15	10/08/15 18:42	151008LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0000488	0.000200	0.0000453	1.00	J

Method Blank	099-04-008-7603	N/A	Aqueous	Mercury 04	10/08/15	10/08/15 18:16	151008LA2
Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.							

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000200	0.0000453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/05/15
 Work Order: 15-10-0318
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151005	15-10-0318-1-A	10/05/15 07:45	Aqueous	GC 31	10/06/15	10/08/15 17:46	151006L17

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.97	0.29	1.00	
Aroclor-1221	ND	0.97	0.27	1.00	
Aroclor-1232	ND	0.97	0.24	1.00	
Aroclor-1242	ND	0.97	0.17	1.00	
Aroclor-1248	ND	0.97	0.20	1.00	
Aroclor-1254	ND	0.97	0.22	1.00	
Aroclor-1260	ND	0.97	0.26	1.00	
Aroclor-1262	ND	0.97	0.25	1.00	
Aroclor-1268	ND	0.97	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	120	50-135	
2,4,5,6-Tetrachloro-m-Xylene	91	50-135	

Method Blank	099-12-533-1094	N/A	Aqueous	GC 31	10/06/15	10/07/15 16:59	151006L17
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	123	50-135	
2,4,5,6-Tetrachloro-m-Xylene	96	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-ID-151005	Sample	Aqueous	ICP/MS 03	10/06/15	10/13/15 12:06	151006SA6A				
D-ID-151005	Matrix Spike	Aqueous	ICP/MS 03	10/06/15	10/13/15 11:56	151006SA6A				
D-ID-151005	Matrix Spike Duplicate	Aqueous	ICP/MS 03	10/06/15	10/13/15 11:59	151006SA6A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.05644	0.1000	0.1465	90	0.1544	98	80-120	5	0-20	
Copper	0.03313	0.1000	0.1207	88	0.1262	93	80-120	4	0-20	
Lead	0.01356	0.1000	0.1191	106	0.1228	109	80-120	3	0-20	
Nickel	0.01995	0.1000	0.1056	86	0.1103	90	80-120	4	0-20	
Zinc	0.05500	0.1000	0.1347	80	0.1376	83	80-120	2	0-20	


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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-10-0566-1	Sample	Aqueous	Mercury 04	10/08/15	10/08/15 18:20	151008SA2
15-10-0566-1	Matrix Spike	Aqueous	Mercury 04	10/08/15	10/08/15 18:22	151008SA2
15-10-0566-1	Matrix Spike Duplicate	Aqueous	Mercury 04	10/08/15	10/08/15 18:29	151008SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009695	97	0.009612	96	57-141	1	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/05/15
 Work Order: 15-10-0318
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-10-0128-2	Sample	Aqueous	N/A	10/07/15 00:00	10/07/15 20:30	F1007TSSD2
15-10-0128-2	Sample Duplicate	Aqueous	N/A	10/07/15 00:00	10/07/15 20:30	F1007TSSD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	992.0	1068	7	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 10/05/15
 Work Order: 15-10-0318
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-151005	Sample	Aqueous	BUR06	10/08/15 00:00	10/08/15 18:00	F1008ODD2
D-ID-151005	Sample Duplicate	Aqueous	BUR06	10/08/15 00:00	10/08/15 18:00	F1008ODD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	276.0	269.0	3	0-25	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7344	LCS	Aqueous	N/A	10/07/15	10/07/15 20:30	F1007TSSL2			
099-09-010-7344	LCSD	Aqueous	N/A	10/07/15	10/07/15 20:30	F1007TSSL2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	100.0	100	107.0	107	80-120	7	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-1001	LCS	Aqueous	ICP/MS 03	10/06/15	10/13/15 11:52	151006LA6A			
099-16-094-1001	LCSD	Aqueous	ICP/MS 03	10/06/15	10/13/15 12:28	151006LA6A			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1032	103	0.1046	105	80-120	1	0-20	
Copper	0.1000	0.1036	104	0.1028	103	80-120	1	0-20	
Lead	0.1000	0.09991	100	0.1018	102	80-120	2	0-20	
Nickel	0.1000	0.1000	100	0.09860	99	80-120	1	0-20	
Zinc	0.1000	0.1015	101	0.1009	101	80-120	1	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-04-008-7603	LCS	Aqueous	Mercury 04	10/08/15	10/08/15 18:18	151008LA2			
099-04-008-7603	LCSD	Aqueous	Mercury 04	10/08/15	10/13/15 15:27	151008LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	0.009956	100	0.01013	101	85-121	2	0-10	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 10/05/15
Work Order: 15-10-0318
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1094	LCS	Aqueous	GC 31	10/06/15	10/07/15 16:21	151006L17			
099-12-533-1094	LCSD	Aqueous	GC 31	10/06/15	10/07/15 16:40	151006L17			
<u>Parameter</u>	<u>Spike Added</u>	<u>LCS Conc.</u>	<u>LCS %Rec.</u>	<u>LCSD Conc.</u>	<u>LCSD %Rec.</u>	<u>%Rec. CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Aroclor-1016	2.000	2.152	108	2.320	116	50-135	8	0-25	
Aroclor-1260	2.000	2.215	111	2.198	110	50-135	1	0-25	

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us 26_sales@eurofinsus.com or call us.

J# / LAB USE ONLY

15-10-0318

DATE: 10/5/2015
 PAGE: 1 OF 1

LABORATORY CLIENT: **Anchor QEA**

ADDRESS: **27201 Puerta Real, Suite 350**

CITY: **Mission Viejo** STATE: **CA** ZIP: **92691**

TEL: **949.347.2780** E-MAIL: **kking@anchorqea.com**

CLIENT PROJECT NAME / NUMBER: **San Diego Shipyard North 131002-01.03**

P.O. NO.:

PROJECT CONTACT: **Kyle King**

SAMPLER(S): (PRINT)

REQUESTED ANALYSES

TURNAROUND TIME (Rush charges may apply to any TAT not "STANDARD"):

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: **T10000003590** LOG CODE:

SPECIAL INSTRUCTIONS:
Reporting to The North Trust
***only first sample point**
written on bottles

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	As	Pb	Zn	Cd	Hg	Cr	Mn	Co	Ni	Se	Mo	Ag	Cu	Fe	Al	Si	TSS
	D-ID-151005	10/5/15		WS	1		<i>HNO₃</i>		X	X															
	D-ID-151005			WS	1		<i>H₂SO₄</i>																		
	D-ID-151005			WS	1	X																			
	D-ID-151005			WS	1	X																			

Relinquished by: (Signature) <i>Kennedy</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 10/05/15	Time: 1348
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 10/05/15	Time: 1715
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 10/05/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)
 Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 3.2 °C (w/ CF): 2.8 °C; Blank Sample
 Sample(s) outside temperature criteria (PM/APM contacted by: _____)
 Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling
 Sample(s) received at ambient temperature; placed on ice for transport by courier
 Ambient Temperature: Air Filter Checked by: 671

CUSTODY SEAL:
 Cooler Present and Intact Present but Not Intact Not Present N/A Checked by: 671
 Sample(s) Present and Intact Present but Not Intact Not Present N/A Checked by: 681

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input checked="" type="checkbox"/> Sampling time <input type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Container(s) for certain analysis free of headspace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE: (Trip Blank Lot Number: _____)
Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB
 125PB_{znna} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AG_J 500AG_J_s
 500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____
Air: Tedlar™ Canister Sorbent Tube PUF _____ **Other Matrix** (____): _____ _____
 Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag
 Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO₃, **na** = NaOH, **na₂** = Na₂S₂O₃, **p** = H₃PO₄, Labeled/Checked by: 681
s = H₂SO₄, **u** = ultra-pure, **znna** = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 659

* Collection time per label is 07:45.

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INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-DEC-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 164637

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0164637-01 Date: 11/04/2015 Time(s): 0930

24 hour composite

Sampler: N. Kennedy Description: Clear water

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		<u>350</u>
Solids, Total Suspended	mg/L		<u>106</u>
Copper, Total	mg/L		<u>0.117</u>
Lead, Total	mg/L		<u>0.0213</u>
Nickel, Total	mg/L		<u>0.0129</u>
Zinc, Total	mg/L		<u>0.190</u>
Arsenic, Total	mg/L	5	<u>0.0133</u>
Mercury, Total	mg/L	.2	<u>0.0000526</u>

Sample#: 0164637-02 Date: 11/04/2015 Time(s): 0930

Evaluation only (no sample)

Sampler: N. Kennedy Description: Clear water

Beginning Meter Read and Date	<u>gals</u>	<u>11/1/2015</u>	<u>1,803,000</u>
Ending Meter Read and Date	<u>gals</u>	<u>11/30/2015</u>	<u>1,869,900</u>
Average Flow/calendar day thru Connection	<u>gpd</u>		<u>2,230</u>
Imported Flow During Period	<u>gals</u>		<u>66,900</u>
Maximum gals/min thru meter	<u>gpm</u>	<u>300</u>	<u>300</u>
Minimum gals/min thru meter when discharging	<u>gpm</u>	<u>50-</u>	<u>50</u>

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-DEC-2015 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 164637

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0164637-03 Date: 11/04/2015 Time(s): 0930

Pesticide and PCB grab

Sampler: N. Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.96

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

12/15/15

report due date

November 2015

monitoring period

Michael Alpher

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

12/9/15

Date



WORK ORDER NUMBER: 15-11-0311

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306



Approved for release on 11/13/2015 by:
Carla Hollowell
Project Manager



ResultLink ▶

Email your PM ▶

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 15-11-0311

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/04/15. They were assigned to Work Order 15-11-0311.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health in accordance with applicable USEPA and NELAP accreditation procedures.

I certify under penalty of law that the data generated for Calscience Work Order Number 15-11-0311 was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The Project Manager or designee who signed the Eurofins Calscience Work Order has been specifically authorized and approved to do so.

The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations


 Signature, Laboratory Director

11/5/2015
 Date

Name of Laboratory: **Eurofins Calscience**
 Address of Laboratory: **7440 Lincoln Way**
Garden Grove, CA 92841-1432

This Certification signed by: **Elizabeth Winger**

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-11-0311
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 11/04/15 19:23
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-151104	15-11-0311-1	11/04/15 09:30	4	Aqueous

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/04/15
 Work Order: 15-11-0311
 Preparation: N/A
 Method: SM 2540 D
 Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151104	15-11-0311-1-D	11/04/15 09:30	Aqueous	N/A	11/10/15	11/10/15 16:00	F1110TSSL2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	106	1.00	0.829	1.00	

Method Blank	099-09-010-7396	N/A	Aqueous	N/A	11/10/15	11/10/15 16:00	F1110TSSL2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Analytical Report

ANCHOR QEA, LLC	Date Received:	11/04/15
27201 Puerta Real, Suite 350	Work Order:	15-11-0311
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 5220 C
	Units:	mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151104	15-11-0311-1-B	11/04/15 09:30	Aqueous	BUR06	11/10/15	11/10/15 15:40	F1110ODB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	350	5.0	4.8	1.00	

Method Blank	099-05-114-164	N/A	Aqueous	BUR06	11/10/15	11/10/15 15:40	F1110ODB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/04/15
 Work Order: 15-11-0311
 Preparation: N/A
 Method: EPA 200.8
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151104	15-11-0311-1-A	11/04/15 09:30	Aqueous	ICP/MS 03	11/05/15	11/12/15 19:22	151105LA2B

Comment(s): - The reporting limit is elevated resulting from matrix interference.
 - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	13.3	10.0	3.86	10.0	
Copper	117	10.0	1.40	10.0	
Lead	21.3	10.0	0.898	10.0	
Nickel	12.9	10.0	1.32	10.0	
Zinc	190	50.0	4.79	10.0	

Method Blank	099-16-094-1034	N/A	Aqueous	ICP/MS 03	11/05/15	11/06/15 16:15	151105LA2B
Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.							

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151104	15-11-0311-1-A	11/04/15 09:30	Aqueous	Mercury 04	11/11/15	11/11/15 18:35	151111LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0526	0.200	0.0453	1.00	J

Method Blank	099-04-008-7654	N/A	Aqueous	Mercury 04	11/11/15	11/11/15 18:24	151111LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/04/15
 Work Order: 15-11-0311
 Preparation: EPA 3510C
 Method: EPA 8082
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151104	15-11-0311-1-C	11/04/15 09:30	Aqueous	GC 31	11/05/15	11/06/15 21:21	151105L14

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.96	0.28	1.00	
Aroclor-1221	ND	0.96	0.27	1.00	
Aroclor-1232	ND	0.96	0.24	1.00	
Aroclor-1242	ND	0.96	0.17	1.00	
Aroclor-1248	ND	0.96	0.19	1.00	
Aroclor-1254	ND	0.96	0.22	1.00	
Aroclor-1260	ND	0.96	0.25	1.00	
Aroclor-1262	ND	0.96	0.25	1.00	
Aroclor-1268	ND	0.96	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	50-135	
2,4,5,6-Tetrachloro-m-Xylene	74	50-135	

Method Blank	099-12-533-1104	N/A	Aqueous	GC 31	11/05/15	11/06/15 11:42	151105L14
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	50-135	
2,4,5,6-Tetrachloro-m-Xylene	78	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-ID-151104	Sample	Aqueous	ICP/MS 03	11/05/15	11/12/15 19:22	151105SA2A				
D-ID-151104	Matrix Spike	Aqueous	ICP/MS 03	11/05/15	11/12/15 19:04	151105SA2A				
D-ID-151104	Matrix Spike Duplicate	Aqueous	ICP/MS 03	11/05/15	11/12/15 19:08	151105SA2A				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	13.32	100.0	115.4	102	111.8	98	80-120	3	0-20	
Copper	117.3	100.0	207.7	90	211.3	94	80-120	2	0-20	
Lead	21.32	100.0	130.6	109	130.1	109	80-120	0	0-20	
Nickel	12.87	100.0	101.9	89	100.4	87	80-120	2	0-20	
Zinc	190.5	100.0	268.4	78	263.6	73	80-120	2	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-11-0774-1	Sample	Aqueous	Mercury 04	11/11/15	11/11/15 18:28	151111SA2
15-11-0774-1	Matrix Spike	Aqueous	Mercury 04	11/11/15	11/11/15 18:31	151111SA2
15-11-0774-1	Matrix Spike Duplicate	Aqueous	Mercury 04	11/11/15	11/11/15 18:33	151111SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	9.707	97	9.503	95	57-141	2	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/04/15
 Work Order: 15-11-0311
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-11-0215-1	Sample	Aqueous	N/A	11/10/15 00:00	11/10/15 16:00	F1110TSSD2
15-11-0215-1	Sample Duplicate	Aqueous	N/A	11/10/15 00:00	11/10/15 16:00	F1110TSSD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	30.20	30.20	0	0-20	

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: N/A
Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-151104	Sample	Aqueous	BUR06	11/10/15 00:00	11/10/15 15:40	F1110ODD1
D-ID-151104	Sample Duplicate	Aqueous	BUR06	11/10/15 00:00	11/10/15 15:40	F1110ODD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		346.0	353.0	2	0-25	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7396	LCS	Aqueous	N/A	11/10/15	11/10/15 16:00	F1110TSSL2			
099-09-010-7396	LCSD	Aqueous	N/A	11/10/15	11/10/15 16:00	F1110TSSL2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	90.00	90	94.00	94	80-120	4	0-20	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-1034	LCS	Aqueous	ICP/MS 03	11/05/15	11/06/15 16:26	151105LA2B			
099-16-094-1034	LCSD	Aqueous	ICP/MS 03	11/05/15	11/12/15 19:01	151105LA2B			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	92.94	93	98.76	99	80-120	6	0-20	
Copper	100.0	94.52	95	101.4	101	80-120	7	0-20	
Lead	100.0	96.12	96	97.14	97	80-120	1	0-20	
Nickel	100.0	90.84	91	99.32	99	80-120	9	0-20	
Zinc	100.0	95.80	96	104.0	104	80-120	8	0-20	

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 11/04/15
 Work Order: 15-11-0311
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7654	LCS	Aqueous	Mercury 04	11/11/15	11/11/15 18:26	151111LA2
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	9.865	99	85-121	

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 11/04/15
Work Order: 15-11-0311
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1104	LCS	Aqueous	GC 31	11/05/15	11/06/15 12:01	151105L14			
099-12-533-1104	LCSD	Aqueous	GC 31	11/05/15	11/06/15 12:20	151105L14			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.700	135	2.439	122	50-135	10	0-25	
Aroclor-1260	2.000	2.433	122	2.292	115	50-135	6	0-25	

Glossary of Terms and Qualifiers

Work Order: 15-11-0311

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR

DATE: 11 / 04 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 32 °C (w/ CF): 28 °C; Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: Air Filter

Checked by: 671

CUSTODY SEAL:

Cooler Present and Intact Present but Not Intact Not Present N/A

Checked by: 671

Sample(s) Present and Intact Present but Not Intact Not Present N/A

Checked by: 1013

SAMPLE CONDITION:

	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sampling date <input type="checkbox"/> Sampling time <input checked="" type="checkbox"/> Matrix <input type="checkbox"/> Number of containers			
<input type="checkbox"/> No analysis requested <input type="checkbox"/> Not relinquished <input type="checkbox"/> No relinquished date <input type="checkbox"/> No relinquished time			
Sampler's name indicated on COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and in good condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume/mass for analyses requested	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples for certain analyses received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfide <input type="checkbox"/> Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation chemical(s) noted on COC and/or sample container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unpreserved aqueous sample(s) received for certain analyses			
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Total Metals <input type="checkbox"/> Dissolved Metals			
Container(s) for certain analysis free of headspace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Volatile Organics <input type="checkbox"/> Dissolved Gases (RSK-175) <input type="checkbox"/> Dissolved Oxygen (SM 4500)			
<input type="checkbox"/> Carbon Dioxide (SM 4500) <input type="checkbox"/> Ferrous Iron (SM 3500) <input type="checkbox"/> Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: VOA VOA_h VOA_{na2} 100PJ 100PJ_{na2} 125AGB 125AGB_h 125AGB_p 125PB

125PB_{z_{na}} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

500PB 1AGB 1AGB_{na2} 1AGB_s 1PB 1PB_{na} _____ _____ _____ _____

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® (_____) TerraCores® (_____) _____

Air: Tedlar™ Canister Sorbent Tube PUF _____ Other Matrix (_____): _____ _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 1013

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH

Reviewed by: 659

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-JAN-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 165137

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage
 trucker traffic. Sample tank (SB7017) will be located closest to bay.
 Autosampler placed on the ground closest to sample tank manhole. Access
 sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0165137-01 Date: 12/10/2015 Time (s): 0730

24 hour composite

Sampler: Nick Kennedy Description: Clear water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		2,700
Solids, Total Suspended	mg/L		39
Copper, Total	mg/L		0.0154
Lead, Total	mg/L		0.0326
Nickel, Total	mg/L		0.0141
Zinc, Total	mg/L		0.0439
Arsenic, Total	mg/L	5	<0.01
Mercury, Total	mg/L	.2	<0.0002

Sample#: 0165137-02 Date: 12/31/2015 Time (s): 0800

Evaluation only (no sample)

Sampler: Nick Kennedy Description: Clear water

Beginning Meter Read and Date	gals		12/1/2015	1,869,900
Ending Meter Read and Date	gals		12/31/2015	1,970,200
Average Flow/calendar day thru Connection	gpd			3,235
Imported Flow During Period	gals			100,300
Maximum gals/min thru meter	gpm	300		300
Minimum gals/min thru meter when discharging	gpm	50-		50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-JAN-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 165137

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0165137-03 Date: 12/10/2015 Time(s): 0730

Pesticide and PCB grab

Sampler: Nick Kennedy Description: Clear water

PCB's, Total ug/L 3 <0.98

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

1/15/16

report due date

Dec 2015

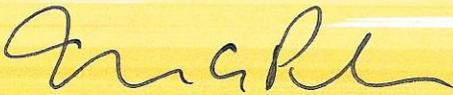
monitoring period

Michael Palmer

Print Name

Project Contractor

Title



Signature

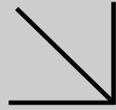
(Attach to Industry Self-Monitoring Form)

1/11/16

Date



Calscience



WORK ORDER NUMBER: 15-12-0859

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 12/21/2015 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: San Diego Shipyard North 131002-01.03

Work Order Number: 15-12-0859

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Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 15-12-0859
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 12/10/15 18:50
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-151210	15-12-0859-1	12/10/15 07:30	4	Aqueous

Return to Contents



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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: SM 2540 D
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151210	15-12-0859-1-D	12/10/15 07:30	Aqueous	N/A	12/14/15	12/14/15 20:00	F1214TSSL2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	39	1.0	0.83	1.00	

Method Blank	099-09-010-7450	N/A	Aqueous	N/A	12/14/15	12/14/15 20:00	F1214TSSL2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151210	15-12-0859-1-A	12/10/15 07:30	Aqueous	BUR06	12/15/15	12/15/15 18:00	F1215ODB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	2700	25	24	5.00	

Method Blank	099-05-114-169	N/A	Aqueous	BUR06	12/15/15	12/15/15 18:00	F1215ODB1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: EPA 200.8
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151210	15-12-0859-1-B	12/10/15 07:30	Aqueous	ICP/MS 03	12/11/15	12/14/15 23:31	151211LA4

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	10.0	3.86	10.0	
Copper	15.4	10.0	1.40	10.0	
Lead	32.6	10.0	0.898	10.0	
Nickel	14.1	10.0	1.32	10.0	
Zinc	43.9	50.0	4.79	10.0	J

Method Blank	099-16-094-1077	N/A	Aqueous	ICP/MS 03	12/11/15	12/14/15 13:24	151211LA4
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151210	15-12-0859-1-B	12/10/15 07:30	Aqueous	Mercury 04	12/16/15	12/16/15 20:02	151216LA2

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Method Blank	099-04-008-7689	N/A	Aqueous	Mercury 04	12/16/15	12/16/15 19:47	151216LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-151210	15-12-0859-1-C	12/10/15 07:30	Aqueous	GC 66	12/11/15	12/15/15 19:05	151211L07

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	0.98	0.29	1.00	
Aroclor-1221	ND	0.98	0.28	1.00	
Aroclor-1232	ND	0.98	0.24	1.00	
Aroclor-1242	ND	0.98	0.18	1.00	
Aroclor-1248	ND	0.98	0.20	1.00	
Aroclor-1254	ND	0.98	0.22	1.00	
Aroclor-1260	ND	0.98	0.26	1.00	
Aroclor-1262	ND	0.98	0.26	1.00	
Aroclor-1268	ND	0.98	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	50-135	
2,4,5,6-Tetrachloro-m-Xylene	84	50-135	

Method Blank	099-12-533-1112	N/A	Aqueous	GC 66	12/11/15	12/15/15 17:29	151211L07
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	50-135	
2,4,5,6-Tetrachloro-m-Xylene	98	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-ID-151210	Sample	Aqueous	ICP/MS 03	12/11/15	12/14/15 23:31	151211SA4				
D-ID-151210	Matrix Spike	Aqueous	ICP/MS 03	12/11/15	12/15/15 15:26	151211SA4				
D-ID-151210	Matrix Spike Duplicate	Aqueous	ICP/MS 03	12/11/15	12/15/15 15:29	151211SA4				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	ND	100.0	108.0	108	122.9	123	80-120	13	0-20	3
Copper	15.41	100.0	115.5	100	119.8	104	80-120	4	0-20	
Lead	32.63	100.0	145.4	113	145.6	113	80-120	0	0-20	
Nickel	14.06	100.0	108.7	95	109.8	96	80-120	1	0-20	
Zinc	ND	100.0	117.9	118	123.0	123	80-120	4	0-20	3


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-12-0777-1	Sample	Aqueous	Mercury 04	12/16/15	12/16/15 19:51	151216SA2
15-12-0777-1	Matrix Spike	Aqueous	Mercury 04	12/16/15	12/17/15 18:05	151216SA2
15-12-0777-1	Matrix Spike Duplicate	Aqueous	Mercury 04	12/16/15	12/17/15 18:07	151216SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	8.829	88	9.178	92	57-141	4	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/10/15
 Work Order: 15-12-0859
 Preparation: N/A
 Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-12-0922-1	Sample	Aqueous	N/A	12/14/15 00:00	12/14/15 20:00	F1214TSSD2
15-12-0922-1	Sample Duplicate	Aqueous	N/A	12/14/15 00:00	12/14/15 20:00	F1214TSSD2

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	59.20	57.80	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/10/15
 Work Order: 15-12-0859
 Preparation: N/A
 Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-151210	Sample	Aqueous	BUR06	12/15/15 00:00	12/15/15 18:00	F1215ODD1
D-ID-151210	Sample Duplicate	Aqueous	BUR06	12/15/15 00:00	12/15/15 18:00	F1215ODD1

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	2745	2650	4	0-25	

Return to Contents 

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7450	LCS	Aqueous	N/A	12/14/15	12/14/15 20:00	F1214TSSL2			
099-09-010-7450	LCSD	Aqueous	N/A	12/14/15	12/14/15 20:00	F1214TSSL2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	91.00	91	91.00	91	80-120	0	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-1077	LCS	Aqueous	ICP/MS 03	12/11/15	12/14/15 13:31	151211LA4			
099-16-094-1077	LCSD	Aqueous	ICP/MS 03	12/11/15	12/14/15 13:34	151211LA4			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	101.0	101	97.59	98	80-120	3	0-20	
Copper	100.0	99.99	100	101.1	101	80-120	1	0-20	
Lead	100.0	96.96	97	97.21	97	80-120	0	0-20	
Nickel	100.0	97.61	98	98.49	98	80-120	1	0-20	
Zinc	100.0	101.1	101	99.31	99	80-120	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 12/10/15
 Work Order: 15-12-0859
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7689	LCS	Aqueous	Mercury 04	12/16/15	12/17/15 17:58	151216LA2
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	9.625	96	85-121	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 12/10/15
Work Order: 15-12-0859
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1112	LCS	Aqueous	GC 66	12/11/15	12/15/15 16:54	151211L07			
099-12-533-1112	LCSD	Aqueous	GC 66	12/11/15	12/15/15 17:12	151211L07			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.011	101	2.392	120	50-135	17	0-25	
Aroclor-1260	2.000	1.878	94	2.002	100	50-135	6	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 15-12-0859

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 12/10/2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC2 (CF:-0.4°C); Temperature (w/o CF): 32 °C (w/ CF): 2.8 °C; [x] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [x] Not Present [] N/A

Checked by: 965

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and in good condition, Proper containers for analyses requested, Sufficient volume/mass for analyses requested, Samples received within holding time, Aqueous samples for certain analyses received within 15-minute holding time, Proper preservation chemical(s) noted on COC and/or sample container, Unpreserved aqueous sample(s) received for certain analyses, Container(s) for certain analysis free of headspace, Tedlar™ bag(s) free of condensation.

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOAh [] VOAna2 [] 100PJ [] 100PJna2 [] 125AGB [] 125AGBh [] 125AGBp [] 125PB [] 125PBzanna [] 250AGB [] 250CGB [x] 250CGBs [] 250PB [x] 250PBnu [] 500AGB [] 500AGJ [] 500AGJs [] 500PB [x] 1AGB [] 1AGBna2 [] 1AGBs [x] 1PB [] 1PBna [] [] [] [] []

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® (____) [] TerraCores® (____) [] _____

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] [] []

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO3, na = NaOH, na2 = Na2S2O3, p = H3PO4, Labeled/Checked by: 965

s = H2SO4, u = ultra-pure, zanna = Zn(CH3CO2)2 + NaOH Reviewed by: 681.

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-FEB-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 165742

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0165742-01 Date: 1/6/16 Time(s): 0710

24 hour composite

Sampler: Nick Kennedy Description: Clear Water

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		260
Solids, Total Suspended	mg/L		261
Copper, Total	mg/L		0.109
Lead, Total	mg/L		0.0645
Nickel, Total	mg/L		0.0188
Zinc, Total	mg/L		0.152
Arsenic, Total	mg/L	5	0.0684
Mercury, Total	mg/L	.2	0.000252

Sample#: 0165742-02 Date: 1/1/2016 Time(s): 0700

Evaluation only (no sample)

Sampler: Nick Kennedy Description: Clear Water

Beginning Meter Read and Date	gals	1/1/2016	1,970,200
Ending Meter Read and Date	gals	1/31/2016	2,039,500
Average Flow/calendar day thru Connection	gpd		2,235
Imported Flow During Period	gals		69,300
Maximum gals/min thru meter	gpm	300	300
Minimum gals/min thru meter when discharging	gpm	50-	50

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-FEB-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 165742

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: Eurofins Calscience * COPY OF ANALYSIS REQUIRED *

Sample#: 0165742-03 Date: 1/6/16 Time(s): 0710

Pesticide and PCB grab

Sampler: Nick Kennedy Description: Clear Water

PCB's, Total ug/L 3 <1.0

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

2/15/16

report due date

January 2016

monitoring period

Michael Pedraza

Print Name

Project Coordinator

Title



Signature

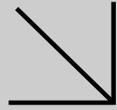
(Attach to Industry Self-Monitoring Form)

2-4-16

Date



Calscience



WORK ORDER NUMBER: 16-01-0315

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: ANCHOR QEA, LLC

Client Project Name: San Diego Shipyard North 131002-01.03

Attention: Kyle King
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Approved for release on 01/14/2016 by:
Carla Hollowell
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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 Work Order Number: 16-01-0315

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CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health in accordance with applicable USEPA and NELAP accreditation procedures.

I certify under penalty of law that the data generated for Calscience Work Order Number 16-01-0315 was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The Project Manager or designee who signed the Eurofins Calscience Work Order has been specifically authorized and approved to do so.

The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations


 Signature, Laboratory Director

1/14/2016
 Date

Name of Laboratory: **Eurofins Calscience**
 Address of Laboratory: **7440 Lincoln Way**
Garden Grove, CA 92841-1432

This Certification signed by: **Elizabeth Winger**

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/06/16. They were assigned to Work Order 16-01-0315.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



Calscience

Sample Summary

Client: ANCHOR QEA, LLC	Work Order: 16-01-0315
27201 Puerta Real, Suite 350	Project Name: San Diego Shipyard North 131002-01.03
Mission Viejo, CA 92691-8306	PO Number:
	Date/Time Received: 01/06/16 18:30
	Number of Containers: 4

Attn: Kyle King

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
D-ID-160106	16-01-0315-1	01/06/16 07:10	4	Aqueous


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Calscience

Analytical Report

ANCHOR QEA, LLC	Date Received:	01/06/16
27201 Puerta Real, Suite 350	Work Order:	16-01-0315
Mission Viejo, CA 92691-8306	Preparation:	N/A
	Method:	SM 2540 D
	Units:	mg/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-160106	16-01-0315-1-D	01/06/16 07:10	Aqueous	N/A	01/08/16	01/08/16 20:00	G0108TSSL6

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	261	1.00	0.829	1.00	

Method Blank	099-09-010-7496	N/A	Aqueous	N/A	01/08/16	01/08/16 20:00	G0108TSSL6
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Solids, Total Suspended	ND	1.0	0.83	1.00	


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: SM 5220 C
Units: mg/L

Project: San Diego Shipyard North 131002-01.03

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-160106	16-01-0315-1-D	01/06/16 07:10	Aqueous	BUR06	01/11/16	01/11/16 18:00	G01110DB1

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	260	5.0	4.8	1.00	

Method Blank	099-05-114-172	N/A	Aqueous	BUR06	01/11/16	01/11/16 18:00	G01110DB1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Chemical Oxygen Demand	ND	5.0	4.8	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/06/16
 Work Order: 16-01-0315
 Preparation: N/A
 Method: EPA 200.8
 Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-160106	16-01-0315-1-B	01/06/16 07:10	Aqueous	ICP/MS 03	01/08/16	01/11/16 22:08	160108LA2

Comment(s): - The reporting limit is elevated resulting from matrix interference.
 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	68.4	10.0	3.86	10.0	
Copper	109	10.0	1.40	10.0	
Lead	64.5	10.0	0.898	10.0	
Nickel	18.8	10.0	1.32	10.0	
Zinc	152	50.0	4.79	10.0	

Method Blank	099-16-094-1120	N/A	Aqueous	ICP/MS 03	01/08/16	01/09/16 01:04	160108LA2
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Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Arsenic	ND	1.00	0.386	1.00	
Copper	ND	1.00	0.140	1.00	
Lead	ND	1.00	0.0898	1.00	
Nickel	ND	1.00	0.132	1.00	
Zinc	ND	5.00	0.479	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: EPA 245.1 Total
Method: EPA 245.1
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-160106	16-01-0315-1-B	01/06/16 07:10	Aqueous	Mercury 04	01/08/16	01/08/16 15:37	160108LA2A

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.252	0.200	0.0453	1.00	

Method Blank	099-04-008-7713	N/A	Aqueous	Mercury 04	01/08/16	01/08/16 19:05	160108LA2A
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Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.200	0.0453	1.00	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Project: San Diego Shipyard North 131002-01.03

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
D-ID-160106	16-01-0315-1-C	01/06/16 07:10	Aqueous	GC 31	01/07/16	01/11/16 21:12	160107L02

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.30	1.00	
Aroclor-1221	ND	1.0	0.29	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.27	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	50-135	
2,4,5,6-Tetrachloro-m-Xylene	92	50-135	

Method Blank	099-12-533-1124	N/A	Aqueous	GC 31	01/07/16	01/11/16 19:18	160107L02
--------------	-----------------	-----	---------	-------	----------	-------------------	-----------

Comment(s): - Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Aroclor-1016	ND	1.0	0.29	1.00	
Aroclor-1221	ND	1.0	0.28	1.00	
Aroclor-1232	ND	1.0	0.25	1.00	
Aroclor-1242	ND	1.0	0.18	1.00	
Aroclor-1248	ND	1.0	0.20	1.00	
Aroclor-1254	ND	1.0	0.23	1.00	
Aroclor-1260	ND	1.0	0.26	1.00	
Aroclor-1262	ND	1.0	0.26	1.00	
Aroclor-1268	ND	1.0	0.21	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	50-135	
2,4,5,6-Tetrachloro-m-Xylene	95	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
D-ID-160106	Sample	Aqueous	ICP/MS 03	01/08/16	01/11/16 22:08	160108SA2				
D-ID-160106	Matrix Spike	Aqueous	ICP/MS 03	01/08/16	01/11/16 21:51	160108SA2				
D-ID-160106	Matrix Spike Duplicate	Aqueous	ICP/MS 03	01/08/16	01/11/16 21:54	160108SA2				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	68.43	100.0	163.7	95	174.9	106	80-120	7	0-20	
Copper	109.4	100.0	198.6	89	215.1	106	80-120	8	0-20	
Lead	64.49	100.0	174.0	109	180.7	116	80-120	4	0-20	
Nickel	18.84	100.0	120.3	101	128.0	109	80-120	6	0-20	
Zinc	152.4	100.0	225.3	73	240.8	88	80-120	7	0-20	3


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Spike/Spike Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: EPA 245.1 Total
Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-01-0166-1	Sample	Aqueous	Mercury 04	01/08/16	01/08/16 19:10	160108SA2
16-01-0166-1	Matrix Spike	Aqueous	Mercury 04	01/08/16	01/08/16 19:12	160108SA2
16-01-0166-1	Matrix Spike Duplicate	Aqueous	Mercury 04	01/08/16	01/08/16 19:14	160108SA2

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	10.00	10.06	101	9.852	99	75-125	2	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
16-01-0319-3	Sample	Aqueous	N/A	01/08/16 00:00	01/08/16 20:00	G0108TSSD6
16-01-0319-3	Sample Duplicate	Aqueous	N/A	01/08/16 00:00	01/08/16 20:00	G0108TSSD6

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	19.20	20.60	7	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - Sample Duplicate

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: SM 5220 C

Project: San Diego Shipyard North 131002-01.03

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
D-ID-160106	Sample	Aqueous	BUR06	01/11/16 00:00	01/11/16 18:00	G0111ODD1
D-ID-160106	Sample Duplicate	Aqueous	BUR06	01/11/16 00:00	01/11/16 18:00	G0111ODD1
<u>Parameter</u>		<u>Sample Conc.</u>	<u>DUP Conc.</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand		257.0	252.0	2	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: SM 2540 D

Project: San Diego Shipyard North 131002-01.03

Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-09-010-7496	LCS	Aqueous	N/A	01/08/16	01/08/16 20:00	G0108TSSL6			
099-09-010-7496	LCSD	Aqueous	N/A	01/08/16	01/08/16 20:00	G0108TSSL6			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Suspended	100.0	105.0	105	101.0	101	80-120	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: N/A
Method: EPA 200.8

Project: San Diego Shipyard North 131002-01.03

Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-16-094-1120	LCS	Aqueous	ICP/MS 03	01/08/16	01/09/16 01:07	160108LA2			
099-16-094-1120	LCSD	Aqueous	ICP/MS 03	01/08/16	01/09/16 01:09	160108LA2			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	100.0	99.23	99	106.0	106	80-120	7	0-20	
Copper	100.0	100.1	100	108.8	109	80-120	8	0-20	
Lead	100.0	95.67	96	94.36	94	80-120	1	0-20	
Nickel	100.0	100.2	100	105.9	106	80-120	6	0-20	
Zinc	100.0	99.23	99	107.3	107	80-120	8	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS

ANCHOR QEA, LLC
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691-8306

Date Received: 01/06/16
 Work Order: 16-01-0315
 Preparation: EPA 245.1 Total
 Method: EPA 245.1

Project: San Diego Shipyard North 131002-01.03

Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7713	LCS	Aqueous	Mercury 04	01/08/16	01/08/16 19:07	160108LA2A
<u>Parameter</u>		<u>Spike Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec.</u>	<u>%Rec. CL</u>	<u>Qualifiers</u>
Mercury		10.00	9.358	94	85-121	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

ANCHOR QEA, LLC
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691-8306

Date Received: 01/06/16
Work Order: 16-01-0315
Preparation: EPA 3510C
Method: EPA 8082

Project: San Diego Shipyard North 131002-01.03

Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-533-1124	LCS	Aqueous	GC 31	01/07/16	01/11/16 18:40	160107L02			
099-12-533-1124	LCSD	Aqueous	GC 31	01/07/16	01/11/16 18:59	160107L02			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.068	103	2.140	107	50-135	3	0-25	
Aroclor-1260	2.000	1.863	93	1.959	98	50-135	5	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Glossary of Terms and Qualifiers

Work Order: 16-01-0315

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: ANCHOR QEA

DATE: 01/06/2016

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC3 (CF:+0.3°C); Temperature (w/o CF): 3.2 °C (w/ CF): 3.5 °C; [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____)

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

[] Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: [] Air [] Filter

Checked by: 671

CUSTODY SEAL:

Cooler [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A

Checked by: 671

Sample(s) [] Present and Intact [] Present but Not Intact [X] Not Present [] N/A

Checked by: 965

SAMPLE CONDITION:

Table with columns: Yes, No, N/A. Rows include Chain-of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and in good condition, Proper containers for analyses requested, Sufficient volume/mass for analyses requested, Samples received within holding time, Aqueous samples for certain analyses received within 15-minute holding time, Proper preservation chemical(s) noted on COC and/or sample container, Unpreserved aqueous sample(s) received for certain analyses, Container(s) for certain analysis free of headspace, Tedlar™ bag(s) free of condensation.

CONTAINER TYPE:

(Trip Blank Lot Number: _____)

Aqueous: [] VOA [] VOA_h [] VOA_{na2} [] 100PJ [] 100PJ_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [] 125PB

[] 125PB_{z_{na}} [] 250AGB [] 250CGB [X] 250CGB_s [] 250PB [X] 250PB_n [] 500AGB [] 500AGJ [] 500AG_{J_s}

[] 500PB [X] 1AGB [] 1AGB_{na2} [] 1AGB_s [X] 1PB [] 1PB_{na} [] _____ [] _____ [] _____ [] _____

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (_____) [] EnCores® (_____) [] TerraCores® (_____) [] _____

Air: [] Tedlar™ [] Canister [] Sorbent Tube [] PUF [] _____ Other Matrix (____): [] _____ [] _____

Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziploc/Resealable Bag

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 965

s = H₂SO₄, u = ultra-pure, z_{na} = Zn(CH₃CO₂)₂ + NaOH Reviewed by: 681

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-MAR-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 166204

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: N/A * COPY OF ANALYSIS REQUIRED *

Sample#: 0166204-01 Date: N/A Time(s): N/A

24 hour composite

Sampler: N/A Description: N/A

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		N/A
Solids, Total Suspended	mg/L		N/A
Copper, Total	mg/L		N/A
Lead, Total	mg/L		N/A
Nickel, Total	mg/L		N/A
Zinc, Total	mg/L		N/A
Arsenic, Total	mg/L	5	N/A
Mercury, Total	mg/L	.2	N/A

Sample#: 0166204-02 Date: N/A Time(s): N/A

Evaluation only (no sample)

Sampler: N/A Description: N/A

Beginning Meter Read and Date	gals		2,039,500
Ending Meter Read and Date	gals		2,039,500
Average Flow/calendar day thru Connection	gpd		0
Imported Flow During Period	gals		0
Maximum gals/min thru meter	gpm	300	0
Minimum gals/min thru meter when discharging	gpm	50-	0

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-MAR-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 166204

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: N/A * COPY OF ANALYSIS REQUIRED *

Sample#: 0166204-03 Date: N/A Time(s): N/A

Pesticide and PCB grab

Sampler: N/A Description: N/A

PCB's, Total ug/L 3 N/A

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

1	1	-	0	5	6	4
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facility number

Mar-15

report due date

February 2016

monitoring period

Michael Palmer

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

Date

2/25/16

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-APR-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 166595

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: _____ * COPY OF ANALYSIS REQUIRED *

Sample#: 0166595-01 Date: _____ Time(s): _____

24 hour composite

Sampler: _____ Description: _____

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Chemical Oxygen Demand	mg/L		_____
Solids, Total Suspended	mg/L		_____
Copper, Total	mg/L		_____
Lead, Total	mg/L		_____
Nickel, Total	mg/L		_____
Zinc, Total	mg/L		_____
Arsenic, Total	mg/L	5	_____
Mercury, Total	mg/L	.2	_____

Sample#: 0166595-02 Date: _____ Time(s): _____

Evaluation only (no sample)

Sampler: _____ Description: _____

Beginning Meter Read and Date	gals		_____
Ending Meter Read and Date	gals		_____
Average Flow/calendar day thru Connection	gpd		_____
Imported Flow During Period	gals		_____
Maximum gals/min thru meter	gpm	300	_____
Minimum gals/min thru meter when discharging	gpm	50-	_____

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-APR-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 166595

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
Sample Point: Check in will alert contact to escort sampler where to drive & manage
trucker traffic. Sample tank (SB7017) will be located closest to bay.
Autosampler placed on the ground closest to sample tank manhole. Access
sample tank through top access hole/port.

Laboratory Name: _____ * COPY OF ANALYSIS REQUIRED *

Sample#: 0166595-03 Date: _____ Time(s): _____

Pesticide and PCB grab

Sampler: _____ Description: _____

PCB's, Total ug/L 3 _____

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

All self monitoring reports submitted to the Industrial Wastewater Control Program must include the following certification statement and be signed as required in the permit under STANDARD CONDITIONS, Signatory Requirements.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that all wastewater samples analyzed and reported herein are representative of the ordinary process wastewater flow from this facility. I am aware of the potential for significant penalties for submission of false information, including the possibility of fines and imprisonment for knowing violations.

11 - 0564

facility number

4/13/16

report due date

March 2016

monitoring period

Michael Platen

Print Name

Project Coordinator

Title



Signature

(Attach to Industry Self-Monitoring Form)

4/4/2016

Date

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 PO Box 13308
 San Diego, CA 92170-3308

 * RETURN REPORT *
 * by *
 * 15-APR-2016 *

IU# Pmt#: 25-0475 01-A Conn: 100 ISMF#: 166698

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 5000
 Sample Point:

Laboratory Name: N/A * COPY OF ANALYSIS REQUIRED *

Sample#: 0166698-01 Date: N/A Time(s): N/A

Grab

Sampler: N/A Description: N/A

<u>Parameter</u>	<u>Units</u>	<u>Daily Max</u>	<u>Result</u>
Solids, Total Suspended	mg/L		N/A
Copper, Total	mg/L	11	N/A
Lead, Total	mg/L	5	N/A
Nickel, Total	mg/L	13	N/A
Zinc, Total	mg/L	24	N/A
Arsenic, Total	mg/L	5	N/A
Mercury, Total	mg/L	.2	N/A

Sample#: 0166698-02 Date: N/A Time(s): N/A

Pesticide and PCB grab

Sampler: N/A Description: N/A

PCB's, Total	ug/L	3	N/A
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SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Applicability: These instructions apply to any industry whose Industrial User Discharge Permit includes an Attachment B, "SELF-MONITORING AND REPORTING REQUIREMENTS".

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CERTIFICATION STATEMENT

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1	1	-	0	5	6	4
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facility number

4/15/2016

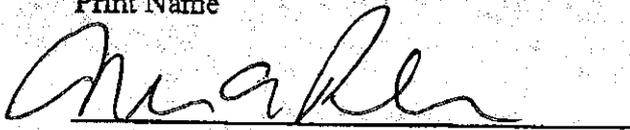
report due date

March 2016

monitoring period

Michael Palmer

Print Name



Signature

(Attach to Industry Self-Monitoring Form)

Project Coordinator

Title

4/4/16

Date

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
 Industrial Wastewater Control Program
 9192 Topaz Wy San Diego, CA 92123-1119
 Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
 San Diego Bay Enviro Restoration Fund North Trust
 Anchor QEA, Attn: Adam Gale
 27201 Puerta Real, Suite 350
 Mission Viejo, CA 92691

 * RETURN REPORT *
 * by *
 * 15-MAY-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 167221

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000
 Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: _____ * COPY OF ANALYSIS REQUIRED *

Sample#: 0167221-01 Date: _____ Time(s): _____

24 hour composite

Sampler: _____ Description: _____

Parameter	Units	Daily Max	Result
Chemical Oxygen Demand	mg/L		_____
Solids, Total Suspended	mg/L		_____
Copper, Total	mg/L		_____
Lead, Total	mg/L		_____
Nickel, Total	mg/L		_____
Zinc, Total	mg/L		_____
Arsenic, Total	mg/L	5	_____
Mercury, Total	mg/L	.2	_____

Sample#: 0167221-02 Date: _____ Time(s): _____

Evaluation only (no sample)

Sampler: _____ Description: _____

Beginning Meter Read and Date	gals		_____
Ending Meter Read and Date	gals		_____
Average Flow/calendar day thru Connection	gpd		_____
Imported Flow During Period	gals		_____
Maximum gals/min thru meter	gpm	300	_____
Minimum gals/min thru meter when discharging	gpm	50-	_____

INDUSTRY SELF MONITORING FORM

City of San Diego Public Utilities
Industrial Wastewater Control Program
9192 Topaz Wy San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

Note: If Monthly Average Limits apply, these self-monitoring results will be averaged with all other VALID analyses for samples collected in the same calendar year including IWCP monitoring data, to determine compliance.

Michael Palmer
San Diego Bay Enviro Restoration Fund North Trust
Anchor QEA, Attn: Adam Gale
27201 Puerta Real, Suite 350
Mission Viejo, CA 92691

* RETURN REPORT *
* by *
* 15-MAY-2016 *

IU# Pmt#: 11-0564 01-A Conn: 100 ISMF#: 167221

Site Address: 2205 E Belt St, San Diego Permitted IW Flow: 432000

Sample Point: Check in will alert contact to escort sampler where to drive & manage trucker traffic. Sample tank (SB7017) will be located closest to bay. Autosampler placed on the ground closest to sample tank manhole. Access sample tank through top access hole/port.

Laboratory Name: _____ * COPY OF ANALYSIS REQUIRED *

Sample#: 0167221-03 Date: _____ Time (s): _____

Pesticide and PCB grab

Sampler: _____ Description: _____

PCB's, Total ug/L 3 _____

SELF MONITORING REPORT CERTIFICATION

City of San Diego Public Utilities Dept
Industrial Wastewater Control Program
9192 Topaz Way, San Diego, CA 92123-1119
Tel (858) 654-4100 Fax (858) 654-4110

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1	1	—	0	5	6	4
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facility number

5/15/16

report due date

April 2016

monitoring period

Michael Palmer

Print Name

Project Coordinator

Title

[Signature]

Signature

(Attach to Industry Self-Monitoring Form)

5/9/16

Date