Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 440-71428-A-8 MS
Matrix: Water
Analysis Batch: 166679

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	ND		5.00	5.72		mg/L		114	80 - 120

Lab Sample ID: 440-71428-A-8 MSD
Matrix: Water
Analysis Batch: 166679

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	ND		5.00	5.77		mg/L		115	80 - 120	1	20

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MB 440-165867/4
Matrix: Water
Analysis Batch: 165867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	ND		0.10	0.050	mg/L			02/28/14 19:52	1

Lab Sample ID: LCS 440-165867/3
Matrix: Water
Analysis Batch: 165867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Blue Active Substances	0.250	0.246		mg/L		98	90 - 110

Lab Sample ID: 440-71391-W-1 MS
Matrix: Water
Analysis Batch: 165867

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Blue Active Substances	ND		0.250	0.175		mg/L		70	50 - 125

Lab Sample ID: 440-71391-W-1 MSD
Matrix: Water
Analysis Batch: 165867

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Blue Active Substances	ND		0.250	0.193		mg/L		77	50 - 125	10	20

QC Sample Results

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

Method: SM5210B - BOD, 5 Day

Lab Sample ID: USB 440-165949/1
Matrix: Water
Analysis Batch: 165949

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	0.50	mg/L			03/01/14 09:17	1

Lab Sample ID: LCS 440-165949/4
Matrix: Water
Analysis Batch: 165949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	199	192		mg/L		96	85 - 115

Lab Sample ID: LCSD 440-165949/5
Matrix: Water
Analysis Batch: 165949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biochemical Oxygen Demand	199	197		mg/L		99	85 - 115	3	20

QC Association Summary

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

GC/MS VOA

Analysis Batch: 165624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71172-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
440-71172-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-71480-1	MT-01	Total/NA	Water	8260B	
LCS 440-165624/6	Lab Control Sample	Total/NA	Water	8260B	
MB 440-165624/19	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 165872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	3520C	
LCS 440-165872/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-165872/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-165872/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 166242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	8270C	165872
LCS 440-165872/2-A	Lab Control Sample	Total/NA	Water	8270C	165872
LCSD 440-165872/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	165872
MB 440-165872/1-A	Method Blank	Total/NA	Water	8270C	165872

GC VOA

Analysis Batch: 165849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	8015B	
440-71480-1 MS	MT-01	Total/NA	Water	8015B	
440-71480-1 MSD	MT-01	Total/NA	Water	8015B	
LCS 440-165849/3	Lab Control Sample	Total/NA	Water	8015B	
MB 440-165849/4	Method Blank	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 166085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	3510C	
LCS 440-166085/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 440-166085/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-166085/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 440-166085/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-166085/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 166089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	3510C	
LCS 440-166089/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-166089/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 440-166089/1-A	Method Blank	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Analysis Batch: 166115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	8082	166085
LCS 440-166085/4-A	Lab Control Sample	Total/NA	Water	8082	166085
LCSD 440-166085/5-A	Lab Control Sample Dup	Total/NA	Water	8082	166085
MB 440-166085/1-A	Method Blank	Total/NA	Water	8082	166085

Analysis Batch: 166126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	8081A	166085
LCS 440-166085/2-A	Lab Control Sample	Total/NA	Water	8081A	166085
LCSD 440-166085/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	166085
MB 440-166085/1-A	Method Blank	Total/NA	Water	8081A	166085

Analysis Batch: 166166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	8015B	166089
LCS 440-166089/2-A	Lab Control Sample	Total/NA	Water	8015B	166089
LCSD 440-166089/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	166089
MB 440-166089/1-A	Method Blank	Total/NA	Water	8015B	166089

HPLC/IC

Analysis Batch: 165709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	300.0	
LCS 440-165709/2	Lab Control Sample	Total/NA	Water	300.0	
MB 440-165709/4	Method Blank	Total/NA	Water	300.0	

Metals

Prep Batch: 165875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71475-A-5-B MS	Matrix Spike	Total Recoverable	Water	200.2	
440-71475-A-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.2	
440-71480-1	MT-01	Total Recoverable	Water	200.2	
LCS 440-165875/2-A	Lab Control Sample	Total Recoverable	Water	200.2	
MB 440-165875/1-A	Method Blank	Total Recoverable	Water	200.2	

Prep Batch: 166064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-70834-W-1-D MS	Matrix Spike	Total/NA	Water	245.1	
440-70834-W-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	
440-71480-1	MT-01	Total/NA	Water	245.1	
LCS 440-166064/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 440-166064/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 166136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71475-A-5-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	165875
440-71475-A-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	165875
440-71480-1	MT-01	Total Recoverable	Water	200.7 Rev 4.4	165875

Metals (Continued)

Analysis Batch: 166136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-165875/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	165875
MB 440-165875/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	165875

Analysis Batch: 166152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71475-A-5-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	165875
440-71475-A-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	165875
440-71480-1	MT-01	Total Recoverable	Water	200.7 Rev 4.4	165875
LCS 440-165875/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	165875
MB 440-165875/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	165875

Analysis Batch: 166217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-70834-W-1-D MS	Matrix Spike	Total/NA	Water	245.1	166064
440-70834-W-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	166064
440-71480-1	MT-01	Total/NA	Water	245.1	166064
LCS 440-166064/2-A	Lab Control Sample	Total/NA	Water	245.1	166064
MB 440-166064/1-A	Method Blank	Total/NA	Water	245.1	166064

Prep Batch: 166289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total Recoverable	Water	200.2	
440-71708-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.2	
440-71708-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.2	
LCS 440-166289/2-A	Lab Control Sample	Total Recoverable	Water	200.2	
MB 440-166289/1-A	Method Blank	Total Recoverable	Water	200.2	

Analysis Batch: 166459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total Recoverable	Water	200.7 Rev 4.4	166289
440-71708-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	166289
440-71708-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	166289
LCS 440-166289/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	166289
MB 440-166289/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	166289

General Chemistry

Analysis Batch: 165828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71331-A-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
440-71480-1	MT-01	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 165833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 2510B	
440-71480-1 DU	MT-01	Total/NA	Water	SM 2510B	
LCS 440-165833/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MB 440-165833/3	Method Blank	Total/NA	Water	SM 2510B	

General Chemistry (Continued)

Analysis Batch: 165836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 2130B	
440-71480-1 DU	MT-01	Total/NA	Water	SM 2130B	
MB 440-165836/5	Method Blank	Total/NA	Water	SM 2130B	

Prep Batch: 165845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 4500 NH3 B	
440-71480-1 MS	MT-01	Total/NA	Water	SM 4500 NH3 B	
440-71480-1 MSD	MT-01	Total/NA	Water	SM 4500 NH3 B	
LCS 440-165845/1-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 B	
MB 440-165845/2-A	Method Blank	Total/NA	Water	SM 4500 NH3 B	

Analysis Batch: 165847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 2540D	
440-71497-B-2 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 440-165847/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 440-165847/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 165851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 4500 NH3 C	165845
440-71480-1 MS	MT-01	Total/NA	Water	SM 4500 NH3 C	165845
440-71480-1 MSD	MT-01	Total/NA	Water	SM 4500 NH3 C	165845
LCS 440-165845/1-A	Lab Control Sample	Total/NA	Water	SM 4500 NH3 C	165845
MB 440-165845/2-A	Method Blank	Total/NA	Water	SM 4500 NH3 C	165845

Analysis Batch: 165866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 2540F	

Analysis Batch: 165867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71391-W-1 MS	Matrix Spike	Total/NA	Water	SM 5540C	
440-71391-W-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5540C	
440-71480-1	MT-01	Total/NA	Water	SM 5540C	
LCS 440-165867/3	Lab Control Sample	Total/NA	Water	SM 5540C	
MB 440-165867/4	Method Blank	Total/NA	Water	SM 5540C	

Prep Batch: 165881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	Distill/CN	
440-70983-AA-1-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
440-70983-AA-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	
LCS 440-165881/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 440-165881/1-A	Method Blank	Total/NA	Water	Distill/CN	
MRL 440-165881/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 165895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71144-L-1 MS	Matrix Spike	Total/NA	Water	SM 5220D	

General Chemistry (Continued)

Analysis Batch: 165895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71144-L-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	
440-71480-1	MT-01	Total/NA	Water	SM 5220D	
LCS 440-165895/4	Lab Control Sample	Total/NA	Water	SM 5220D	
MB 440-165895/3	Method Blank	Total/NA	Water	SM 5220D	

Analysis Batch: 165907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 4500 CN E	165881
440-70983-AA-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	165881
440-70983-AA-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	165881
LCS 440-165881/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	165881
MB 440-165881/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	165881
MRL 440-165881/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	165881

Analysis Batch: 165949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM5210B	
LCS 440-165949/4	Lab Control Sample	Total/NA	Water	SM5210B	
LCSD 440-165949/5	Lab Control Sample Dup	Total/NA	Water	SM5210B	
USB 440-165949/1	Method Blank	Total/NA	Water	SM5210B	

Analysis Batch: 165968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 4500 Cl G	
440-71530-M-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl G	
MB 440-165968/1	Method Blank	Total/NA	Water	SM 4500 Cl G	

Analysis Batch: 165969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71406-E-16 DU	Duplicate	Total/NA	Water	SM 4500 O G	
440-71480-1	MT-01	Total/NA	Water	SM 4500 O G	

Prep Batch: 166070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	1664A	
LCS 440-166070/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 440-166070/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
MB 440-166070/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 166075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	1664A	166070
LCS 440-166070/2-A	Lab Control Sample	Total/NA	Water	1664A	166070
LCSD 440-166070/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	166070
MB 440-166070/1-A	Method Blank	Total/NA	Water	1664A	166070

Analysis Batch: 166679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71428-A-8 MS	Matrix Spike	Total/NA	Water	SM 5310B	
440-71428-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5310B	
440-71480-1	MT-01	Total/NA	Water	SM 5310B	

General Chemistry (Continued)

Analysis Batch: 166679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-166679/5	Lab Control Sample	Total/NA	Water	SM 5310B	
MB 440-166679/6	Method Blank	Total/NA	Water	SM 5310B	

Prep Batch: 318283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71361-N-1-B MS	Matrix Spike	Total/NA	Water	Distill/Phenol	
440-71480-1	MT-01	Total/NA	Water	Distill/Phenol	
440-71710-J-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Phenol	
LCS 680-318283/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 680-318283/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 318559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71361-N-1-B MS	Matrix Spike	Total/NA	Water	420.1	318283
440-71480-1	MT-01	Total/NA	Water	420.1	318283
440-71710-J-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	420.1	318283
LCS 680-318283/2-A	Lab Control Sample	Total/NA	Water	420.1	318283
MB 680-318283/1-A	Method Blank	Total/NA	Water	420.1	318283

Biology

Analysis Batch: 166540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 9221B	

Analysis Batch: 166542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 9221E	

Analysis Batch: 166588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	SM 9230B	

Subcontract

Analysis Batch: 160463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	Asbestos-TEM (100.2)	160463_P
BLANK	BLANK	Total/NA	WATER	Asbestos-TEM (100.2)	160463_P

Prep Batch: 160463_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-71480-1	MT-01	Total/NA	Water	NA	
BLANK	BLANK	Total/NA	WATER	NA	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-14 *
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-31-14 *
Northern Mariana Islands	State Program	9	MP0002	01-31-14 *
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-14
Arkansas DEQ	State Program	6	88-0692	01-31-15
California	NELAP	9	3217CA	07-31-14
Colorado	State Program	8	N/A	12-31-14
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	06-30-14
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	04-17-14 *
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-14
Indiana	State Program	5	N/A	06-30-14
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-14
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	LA100015	12-31-14
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-14
Massachusetts	State Program	1	M-GA006	06-30-14
Michigan	State Program	5	9925	06-30-14
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	03-31-14 *
North Carolina DENR	State Program	4	269	12-31-14
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Certification Summary

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	12-31-14
South Carolina	State Program	4	98001	06-30-14
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-14
USDA	Federal		SAV 3-04	04-07-14 *
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia DEP	State Program	3	94	06-30-14
West Virginia DHHR	State Program	3	9950C	12-31-14
Wisconsin	State Program	5	999819810	08-31-14
Wyoming	State Program	8	8TMS-L	06-30-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
300.0	Anions, Ion Chromatography	MCAWW	TAL IRV
200.7 Rev 4.4	Metals (ICP)	EPA	TAL IRV
245.1	Mercury (CVAA)	EPA	TAL IRV
1664A	Oil and Grease	40CFR136A	TAL IRV
420.1	Phenolics, Total Recoverable	MCAWW	TAL SAV
SM 2130B	Turbidity	SM	TAL IRV
SM 2510B	Conductivity, Specific Conductance	SM	TAL IRV
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL IRV
SM 2540F	Solids, Settleable	SM	TAL IRV
SM 4500 Cl G	Chlorine, Residual	SM	TAL IRV
SM 4500 CN E	Cyanide, Total	SM	TAL IRV
SM 4500 H+ B	pH	SM	TAL IRV
SM 4500 NH3 C	Ammonia	SM	TAL IRV
SM 4500 O G	Oxygen, Dissolved	SM	TAL IRV
SM 5220D	COD	SM	TAL IRV
SM 5310B	Organic Carbon, Total (TOC)	SM	TAL IRV
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	TAL IRV
SM5210B	BOD, 5 Day	SM	TAL IRV
SM 9221B	Coliforms, Total (Multiple-Tube Fermentation)	SM	TAL IRV
SM 9221E	Coliforms, Fecal (Multiple-Tube Fermentation)	SM	TAL IRV
SM 9230B	Fecal Streptococcus and Enterococcus Groups (Multiple Tube Fermentation)	SM	TAL IRV
Asbestos-TEM (100.2)	Asbestos		EMS Labs
Fish Bioassay Acute toxicity NPDES	General Sub Contract Method	NONE	SC0127

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

NONE = NONE

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMS Labs = EMS Laboratories Pasadena, CA, 117 West Bellevue Drive, Ste 3, Pasadena, CA 91105-2503

SC0127 = Aquatic Testing Laboratories, 4350 Transport #107, Ventura, CA 93003

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

DATE:	April 4, 2014
CUSTOMER:	Test America-Irvine 17461 Derian Avenue, Suite 100 Irvine, CA 92614
ATTENTION:	Camille Murray
REPORT NO:	160463
REFERENCE:	COC# 440-30113.1, JOB# 440-71480-2, PROJECT# 44003197
SUBJECT:	ANALYSIS OF WATER SAMPLES FOR ASBESTOS BY TEM
ACCREDITATION:	CDPH - ELAP 1119

The date and times of collection, UV-Ozone Treatment and filtration are as follows:

SAMPLE NO:	MT-01 (440-71480-1)
DATE COLLECTED:	February 28, 2014 at 1030
RECEIVED:	March 3, 2014 at 1004 (No I.D.) COC and Sample Identification March 24, 2014 at 1355
UV-Ozone Treatment:	March 24, 2014 1100 - 1400
FILTERED:	March 24, 2014 at 1436
DATE ANALYZED:	March 28, 2014

In the drinking water document, EPA 600 R 94 134, 100.2, samples are analyzed for fibers >10 um in length. The regulation calls for an MCL (maximum contaminant level) of 7 MFL (million of fibers per liter) and an analytical sensitivity of 0.2 MFL.

The analytical sensitivity of 0.2 MFL was not reached due to turbidity.

The results of the analysis and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,
EMS Laboratories, Inc.

B.M. Kolk
Laboratory Director
BMK/am

Note: The report shall not be reproduced, except in full without the written approval of EMS Laboratories, Inc.

Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with these samples. All the analytical quality control data meet the requirement of the procedure unless otherwise indicated. Any deviation or exclusion from the test method is noted in this cover letter. Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

ANALYSIS OF WATER FOR ASBESTOS BY TEM (EPA-600 R 94 134) EPA 100.2

LAB.NO. 160463
CLIENT: Test America, Irvine
DATE: 3/28/2014

Laboratory I.D.	Client I.D.	FILTER MEDIA DATA Type	Diameter mm	Effective Area mm^2	No. of G.O.	Analyzed Area, mm^2	Sample Volume (mL)
160463-480	440-71480	MCE	47	1017	10	0.106	20
3-14-14-BL	EMS Blank	MCE	47	1017	10	0.106	500

* FOR FIBERS > 10µm ONLY

INDIVIDUAL ANALYTICAL RESULTS

Laboratory I.D.	Client I.D.	No of Asbestos Fibers	Detection Limit (MF/L)	Concentration MFL Fibers >10 µm
160463-480	440-71480	ND	0.5	< 0.5
3-14-14-BL	EMS Blank	ND	0.02	< 0.02

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.

Authorized Signature

NA Not Applicable
ND None Detected
MCE Mixed Cellulose Ester
GO Grid Openings
MFL Million Fibers per Liter

TEM ASBESTOS ANALYSIS

Client: TA
Sample No.: 440 - 71460

EMS Lab No.: 160963
Page 1 of 1

RECEIVING

TYPE OF SAMPLE: Air ☐ Water ☑ Soil ☐ Bulk ☐ Other ____

METHOD OF ANALYSIS: EPA 600/4-83-043 ☑ ISO ☐

LEVEL OF ANALYSIS: Chrysotile CD-CDQ; Amphibole AD-ADQ

ASPECT RATIO: 3:1 ☑ 5:1 ☐

EPA/600/R-94/134 100.1 ☐ 100.2 ☑

LENGTHS: All Sizes (EPA) ☐; (µm) ≥0.5 ☐; ≥1.0 ☐; ≥5.0 ☐; ≥10.0 ☑; PCM Range* ☐ (*≥0.25 µm width, ≥5.0 µm length)

FILTER TYPE / AREA (mm ±): MCE ☐ 385 ☐; PC ☑ 314 ☐; MCN ☐ 100 ☑; Other ____

PORE SIZE: 0.45 µm ☐ 0.8 µm ☐; 0.1 µm ☑ 0.22 µm ☐; Other ____

G.O. Area (mm²) 0.0 104
No. of G.O. to Analyze: 10

PREP

DIRECT PREP ☐
INDIRECT PREP ☐

3 - 24 - 14
03: 1100-1400
SON: 1400-1415
FILT:

Volume ____ liters
Working Volume 20 ml
Weight ____ grams
Ashed Area ____ %

Prepared By: JAP
Date: 3-26-14

ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01 ☐
H600B - Serial No. 542-05-06 ☑

ENERGY DISPERSIVE X-RAY SYSTEM
Thermo 4405C-3NUT

Grid Address: A B C
Screen Magnification: 4000 X
Camera Constant: 271
Accelerating Voltage: 100KV
Beam Current: 10 µA
K-Factor:
Analyst: HKOM Date: 3-25-14

Grid	Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg	Si	Ca	Fe	Comments
A	F41	NSD																								
	F56	NSD																								
	F43	NSD																								
	F53	NSD																								
B	F56	NSD																								
	F53	NSD																								
	F54	NSD																								
C	F46	NSD																								
	F34	NSD																								
	F56	NSD																								

TEM 2A (1-12)

OBSERVATIONS:

Clean ☐
Debris: ☑ Very Light ☐ Light ☐ Moderate ☐ Heavy ☑ Very Heavy ☐
Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐
Condition of the Grid: ☑ Good ☑ Scrappy ☐ Undissolved Filter ☐ Folded ☐

EMS LABORATORIES 117 West Bellevue Drive, #3 Pasadena, California 91105-2503 • 626-568-4065

Page 1 of 1

TEM ASBESTOS ANALYSIS

Client EMS-BK
Sample No. 100.1/100.2

EMS Lab No. 3-14-14
Page 1 of 2

RECEIVING

TYPE OF SAMPLE: Air ☐ Water ☑ Soil ☐ Bulk ☐ Other ____

METHOD OF ANALYSIS: EPA 600/4-83-043 ☑ ISO ☐

LEVEL OF ANALYSIS: Chrysotile CD, CDQ; Amphibole AD, ADQ

ASPECT RATIO: 3:1 ☑ 5:1 ☐

EPA/600/R-94/134 100.1 ☐ 100.2 ☐

LENGTHS: All Sizes (EPA) ☑; (µm) ≥0.5 ☐ ≥1.0 ☐ ≥5.0 ☐ ≥10.0 ☐; PCM Range* ☐ (*≥0.25 µm width, ≥5.0 µm length)

FILTER TYPE / AREA (mm²): MCE ☐ 385 ☐; PC ☐ 314 ☐; MCN ☐ 1017 ☑; Other ____

PORE SIZE: 0.45 µm ☐ 0.8 µm ☐; 0.1 µm ☑ 0.22 µm ☐; Other ____

G.O. Area (mm²) 0.0 106
No. of G.O. to Analyze 20

PREP

DIRECT PREP ☐
INDIRECT PREP ☐

420

Volume ____ liters
Working Volume 500 ml
Weight ____ grams
Ashed Area ____ %

Prepared By JAP
Date 3-14-14

ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01 ☐
H600B - Serial No. 542-05-06 ☐

ENERGY DISPERSIVE X-RAY SYSTEM
Thermo 4405C-3NUT

Grid Address: A
Screen Magnification: 18700 x
Camera Constant: 27
Accelerating Voltage: 100KV
Beam Current: 10 µA
K-Factor: 1.2
Analyst [illegible] Date 3-14-14

Grid	Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ	AZZ	Na	Mg	Si	Ca	Fe	Comments
A	246	NM																								
	249	NM																								
	631	NM																								
	636	NM																								
	448	NM																								
	446	NM																								
	651	NM																								
	654	NM																								
	633	NM																								
	634	NM																								

TEM 2A (1-12)

OBSERVATIONS:

Clean ☐
Debris: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐
Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐
Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

TEM ASBESTOS ANALYSIS

Client EMS-BLK
Sample No. 100.1/100.2

EMS Lab No. 3-14-14
Page 2 of 2

Grid	Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
B	F41	NSD																								
	C44	NSD																								
	G31	NSD																								
	G34	NSD																								
	H33	NSD																								
	H36	NSD																								
	F51	NSD																								
	C54	NSD																								
	G51	NSD																								
	H43	NSD																								

TEM 2A (1-12)

4/7/2014

EMS LABORATORIES 117 West Bellevue Drive, #3 • Pasadena, California 91105-2503 • 626-568-4065

LABORATORY REPORT

Aquatic Testing Laboratories
"dedicated to providing quality aquatic toxicity testing"
4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: March 5, 2014

Client: Test America – Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Camille Murray

Laboratory No.: A-14030104-001
Job No.: 440-71480-2
Sample ID.: 440-71480-1

Sample Control: The sample was received by ATL in a chilled state, within the recommended hold time and with the chain of custody record attached.

Date Sampled:	02/28/14
Date Received:	03/01/14
Temp. Received:	4.4°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	03/01/14 to 03/05/14

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow 96hr Percent Survival Bioassay (EPA Method 2000.0).

Attached are the test data generated from the analysis of your sample. All testing was conducted under the direct supervision of Joseph A. LeMay. Daily test readings were taken by Joseph A. LeMay (initialed: JAL) and Jacob LeMay (initialed: J).

Result Summary:

Sample ID.	Results
440-71480-1	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the ATL name for advertising or publicity purpose without authorization is prohibited. 4/7/2014

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-14030104-001
Client/ID: TestAmerica 440-71480-1 MT-01 **Start Date: 03/01/2014**

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 12 (1-14) days.
Regulations: NPDES.
Test solution volume: 250 ml.
Feeding: prior to renewal at 48 hrs.
Number of replicates: 4.
Control water: Moderately hard reconstituted water.
Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: Percent Survival at 96 hrs.
Test chamber: 600 ml beakers.
Temperature: 20 +/- 1°C.
Number of fish per chamber: 10.
QA/QC No.: RT-140301.

TEST DATA

		°C	DO	pH	# Dead A	# Dead B	# Dead C	# Dead D	Analyst & Time of Readings
INITIAL	Control	20.1	8.2	7.9	0	0	0	0	1415 3-1-14
	100%	20.2	8.5	8.0	0	0	0	0	
24 Hr	Control	19.9	8.0	8.0	0	0	0	0	1400 3-2-14
	100%	19.9	8.2	8.0	0	0	0	0	
48 Hr	Control	20.1	7.8	7.9	0	0	0	0	1345 3-3-14
	100%	19.9	7.8	7.9	0	0	0	0	
Renewal	Control	20.1	8.1	8.0	0	0	0	0	1345 3-3-14
	100%	19.9	8.1	7.9	0	0	0	0	
72 Hr	Control	20.2	8.0	7.9	0	0	0	0	1330 3-4-14
	100%	20.2	7.6	7.8	0	0	0	0	
96 Hr	Control	20.3	7.8	8.0	0	0	0	0	1330 3-5-14
	100%	20.4	7.2	8.0	0	0	0	0	

Comments:
Sample as received: Chlorine: 0.0 mg/l; pH: 8.0 ; Conductivity: 46.8 umho; Temp: 4.4°C;
DO: 11.6 mg/l; Alkalinity: 9 mg/l; Hardness: 36 mg/l; NH_3-N: 6.2 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / No.
Control: Alkalinity: 55 mg/l; Hardness: 91 mg/l; Conductivity: 275 umho.
Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / No.
Sample used for renewal is the original sample kept at 0-6°C with minimal headspace.
Dissolved Oxygen (DO) readings in mg/l O_2.

RESULTS

Percent Survival In: Control: 100 % 100% Sample: 100 %

TestAmerica Irvine
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Murray, Camille L	Carrier Tracking No(s):	COC No: 440-30074.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: camille.murray@testamericainc.com		Page: Page 1 of 1
Company: Aquatic Testing Laboratories				Job #: 440-71480-2
Address: 4350 Transport #107,	Due Date Requested: 2/28/2014			
City: Ventura	TAT Requested (days):			
State, Zip: CA, 93003				
Phone:	PO #:			
Email:	WO #:			
Project Name: Stormwater Marine Terminal Berth 184	Project #: 44003197			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	903.0 (Flash Bioassay Acute toxicity NPDES) Flash Bioassay Acute toxicity, NPDES	Total Number of containers	Special Instructions/Note:
		Preservation Code:						
MT-01 (440-71480-1)	2/28/14	10:30 Pacific		Water		X		

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3/1/14 0900	Company: TAI	Received by: Tony Duan	Date/Time: 3-1-14 9:30	Company: DCS
Relinquished by: Tony Duan	Date/Time: 3-1-14 12:30	Company: DCS	Received by: [signature]	Date/Time: 3-1-14 1223	Company: ATL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.4

Aquatic Testing Laboratories

REFERENCE TOXICANT DATA

ED_002551_00001324-00069

FATHEAD MINNOW ACUTE
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-140301

TEST SUMMARY

Species: *Pimephales promelas.*
Age: 12 days old.
Regulations: NPDES.
Test chamber volume: 250 ml.
Feeding: Prior to renewal at 48 hrs.
Temperature: 20 +/- 1°C.
Number of replicates: 2.
Dilution water: MHSF.

Source: In-lab culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: LC50 at 96 hrs.
Test chamber: 600 ml beakers.
Aeration: None.
Number of organisms per chamber: 10.
Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	3-1-14 1130			3-2-14 1130					3-3-14 1130				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	19.9	8.1	7.9	19.9	8.0	7.9	0	0	20.1	8.0	7.9	0	0
1.0 mg/l	19.8	8.2	7.9	19.8	8.0	8.0	0	0	20.0	8.0	7.9	0	0
2.0 mg/l	19.9	8.3	7.9	19.7	8.0	8.0	0	0	19.9	8.1	7.9	0	0
4.0 mg/l	19.9	8.1	7.8	19.8	8.1	8.0	0	0	19.9	8.3	7.9	1	1
8.0 mg/l	19.8	8.0	7.9	19.9	8.0	8.0	10	10	–	–	–	–	–
16.0 mg/l	19.8	8.1	7.9	19.8	8.0	7.9	10	10	–	–	–	–	–

	RENEWAL			72 Hr					96 Hr				
Date/Time:	3-3-14 1130			3-4-14 1145					3-5-14 1115				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.3	8.0	20.2	7.8	7.8	0	0	20.4	7.1	7.8	0	0
1.0 mg/l	20.2	8.4	8.0	20.3	7.8	7.9	0	0	20.3	7.6	7.8	0	0
2.0 mg/l	20.1	8.3	8.0	20.1	8.0	7.9	0	0	20.2	8.0	7.8	0	0
4.0 mg/l	20.1	8.3	8.0	20.1	8.1	7.9	0	0	20.2	8.2	7.8	0	0
8.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
16.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–

Comments: Control: Alkalinity: 56 mg/l; Hardness: 71 mg/l; Conductivity: 275 umho.
SDS: Alkalinity: 55 mg/l; Hardness: 93 mg/l; Conductivity: 268 umho.

Concentration-response relationship acceptable? (see attached computer analysis):
Yes (response curve normal)
No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

Start Date:	3/1/2014 11:30	Test ID:	RT140301f	Sample ID:	REF-Ref Toxicant
End Date:	3/5/2014 11:15	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	3/1/2014	Protocol:	ACUTE-EPA-821-R-02-012	Test Species:	PP-Pimephales promelas

Comments:

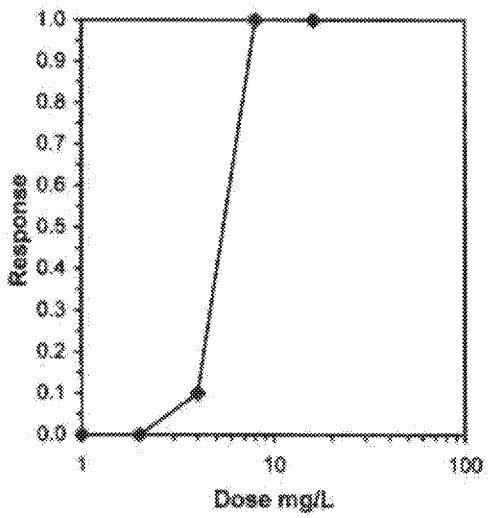
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	0.9000	0.9000
8	0.0000	0.0000
16	0.0000	0.0000

			Transform: Arcsin Square Root					Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Resp	Number
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
1	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
4	0.9000	0.9000	1.2490	1.2490	1.2490	0.000	2	2	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20
16	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Trimmed Spearman-Karber

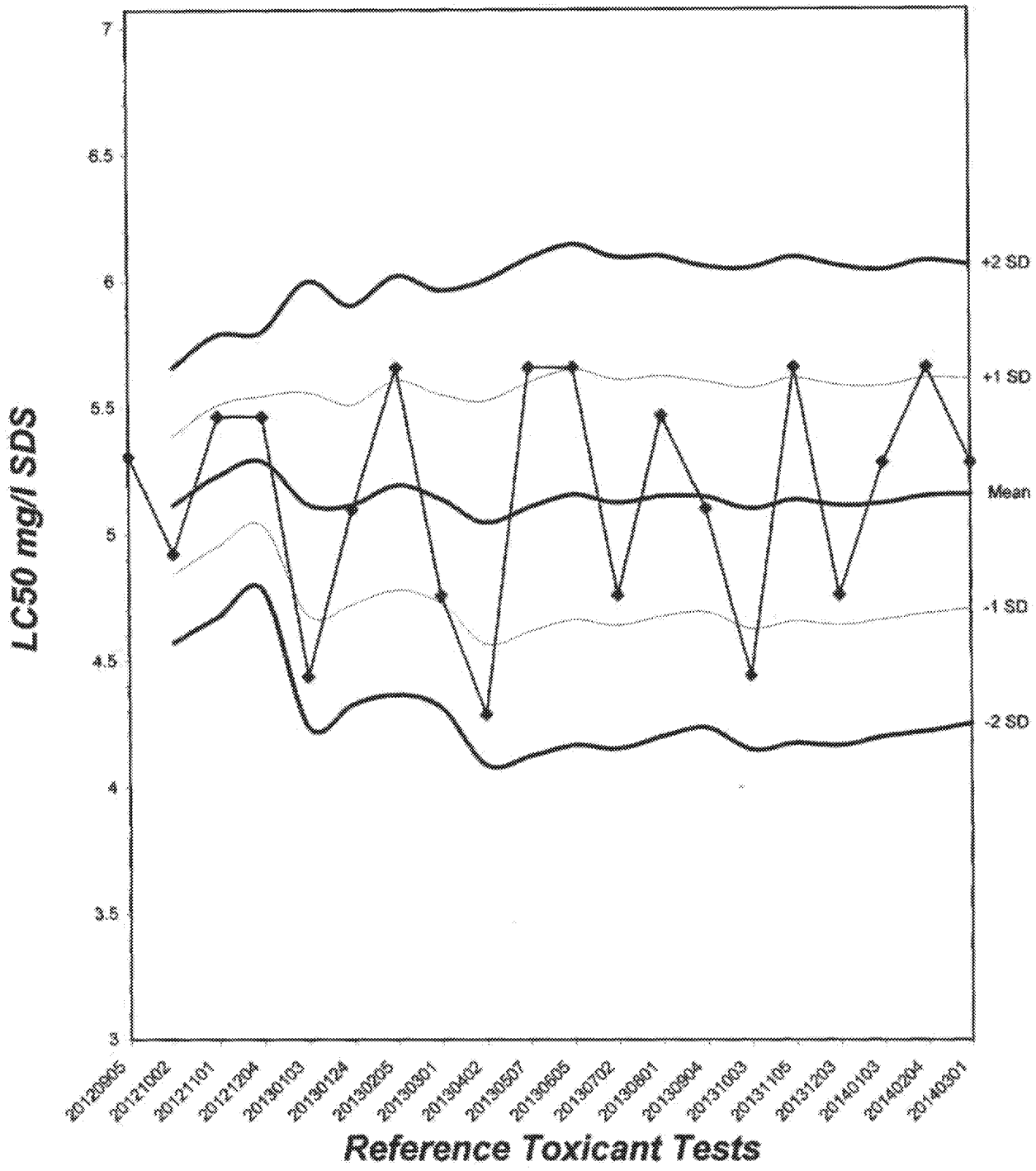
Trim Level	EC50	95% CL	
0.0%	5.2780	4.8093	5.7924
5.0%	5.3968	4.8053	6.0611
10.0%	5.4432	5.1395	5.7648
20.0%	5.4432	5.1395	5.7648
Auto-0.0%	5.2780	4.8093	5.7924



Reviewed by: 4/7/2014

Fathead Minnow Acute Laboratory Control Chart

CV% = 8.81



TEST ORGANISM LOG

Aquatic Testing Laboratories

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-140301

SOURCE: In-Lab Culture

DATE HATCHED: 2-17-14

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 3/1/14

AVERAGE FISH WEIGHT: 0.006 gm

LOADING LIMITS: 0.65 gm/liter @ 20°C, 0.40 gm/liter @ 25°C

Approximately 1000 fish per 10 liters limit if held overnight for acclimation without filtration @ 20°C for fish with a mean weight of 0.006 gm.

Approximately 650 fish per 10 liters limit if held overnight for acclimation without filtration @ 25°C for fish with a mean weight of 0.006 gm.

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 19.5 °C pH: 7.9 Ammonia: 0 mg/l NH_3-N

DO: 8.1 mg/l Alkalinity: 56 mg/l Hardness: 91 mg/l

READINGS RECORDED BY: [signature] DATE: 3-1-14

ED_002551_00001324-00073

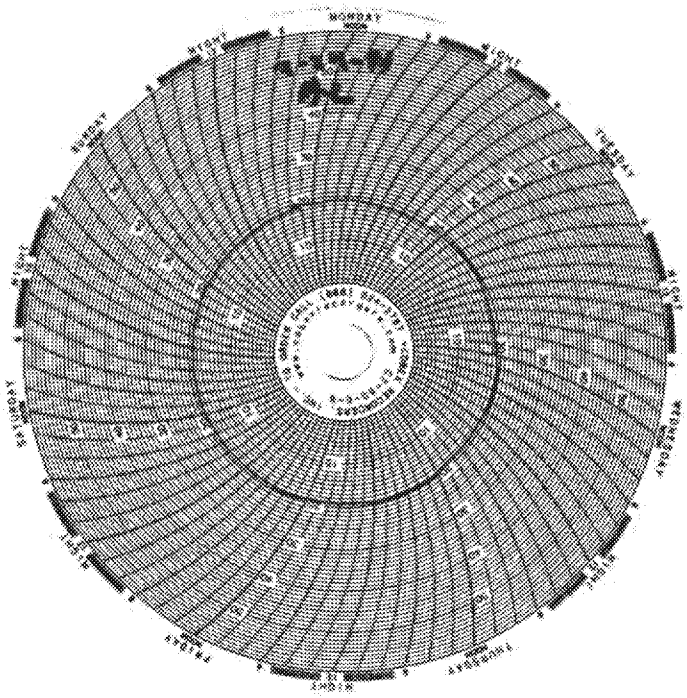
Aquatic Testing Laboratories

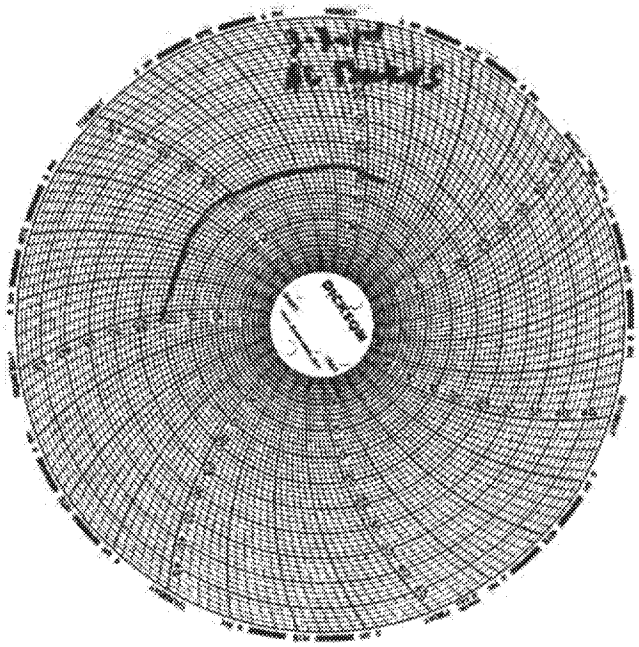
Test Temperature Chart

Test No: RT-140301

Date Tested: 03/01/14 to 03/05/14

Acceptable Range: 20 +/- 1°C





TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAT 8hrs.

17461 Derian Ave. Suite 100, Irvine CA 92614-5817 (949) 261-1022 / FAX (949) 260-3297

Sample Control use: 44003197

440-71480

CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address:
Valero Refining Company - Wilmington Refinery
Ultramar Inc. (a VALERO ENERGY CORP. COMPANY)
2402 E. Anaheim Street
Wilmington, CA 90744

Project Number: **Stormwater Marine Terminal Berth 164 (per Discharge Event)**

P.O.#: **4502625713**

Project Manager: **Shannon Fowler**

Phone Number: (562) 495-5490

Email: Shannon.Fowler@valero.com

Fax Number: (562) 495-5426

Sampler: John Fuagua

Sample ID (If Vacuum Truck sample, enter Discharge/Sample ID#)	Location/Description (i.e. Vessel/Tank#) Note: if Vacuum Truck sample, enter Name of Sampler from sample label.	Sampling Date	Sampling Time	Preserv.	Matrix (W = water, H = hydrocarbon, O = other)	Container Type	# of Cont.	pH, TSS, Cr+3, BOD, SO4, MBAS	Sett. Solids, Turb., Cond., Asbestos	1664-HEM (Oil & Grease)	Phenolics, Ammonia, COD	Acute Toxicity, Total/Fecal/Enterococcus	8260B+OXY, 8015B-GRO	Resid. Chlorine, Dissolved Oxygen	8270, 8081, 8082, 8015B-DRO, 8280	Metals*, Cyanide, TOC	Comments:
		2/28/14	1030														
MT-01	Stormwater Run Off	2/28/14	1030	None	W	1 L poly	4	X	X								
				HCl	W	1 L amber	1			X							
				H2SO4	W	500 mL amber	2				X						
				None	W	1 gal. poly	1					X					
				Na2S2O3	W	Bacti bottle	3					X					
				HCl	W	40 mL VOA	6						X				
				None	W	125 mL brown poly	1							X			
				None	W	40 mL VOA	2							X			
				None	W	1 L amber	7								X		
				HNO3	W	500 mL poly	1									X	* Metals include:
				NaOH	W	500 mL poly	1									X	Sb,As,Be,Cd,Cu,Pb,
				HCl	W	250 mL Amber	1									X	Hg,Ni,Se,Ag,Tl,Zn

*** Please call ASAP if the discharge limit is exceeded. After hours phone # (562) 491-6828 ***

440-71480 Chain of Custody

Relinquished By: [signature]	Date/Time: 2/28/14 1130	Received by: Lab Fridge	Date/Time: 2/28/14 1130
Relinquished By:	Date/Time:	Received by: [signature]	Date/Time: 2/28/14 1235
Relinquished By: [signature]	Date/Time: 2/28/14 1553	Received in Lab by: [signature]	Date/Time: 02/28/14 15:53

Turnaround Time (Check): ~~Same Day~~ X; 72 Hours ____; ~~24~~ Hours 8hrs; 5 Days ____; 48 Hours ____; Normal ____

Sample Integrity: (Check) Intact ____ On Ice ✓

Note. By relinquishing samples to Test America, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

#63 2.4 / 1.2 2.3 / 1.6

Login Sample Receipt Checklist

Client: Valero Refining Co

Job Number: 440-71480-1

Login Number: 71480
List Number: 1
Creator: Chavez, Elizabeth

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Action Limit Summary

Client: Valero Refining Co
Project/Site: Stormwater Marine Terminal Berth 164

TestAmerica Job ID: 440-71480-1

Client Sample ID: MT-01

Lab Sample ID: 440-71480-1

440 - Valero Wilmington Stormwater

Analyte	Result	Qualifier	Unit	High Reg Limit	RL	Method	Prep Type
HEM (Oil & Grease)	ND		mg/L	15.000	4.8	1664A	Total/NA
Chlorine, Total Residual	ND	HF	mg/L	0.10000	0.10	SM 4500 Cl G	Total/NA

ATTACHMENT 5

CERTIFICATION SUPPLEMENT
FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT APPLICATION

Please Print or Type

Legal Name of Applicant: Ultramar Inc.

Wilmington Marine Terminal, Berth 164

Facility: 961 La Paloma Avenue

Wilmingotn, CA 90744

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

Jason Lee
Printed Name or Person Signing

Director - Health, Safety, & Environmental
Official Title

Signature

7/9/18
Date Application Signed

7/9/18
Date Supplement Signed

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ATTACHMENT 6

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

I. FACILITY INFORMATION

A. Facility:

Name: Wilmington Marine Terminal, Berth 164			
Address: 961 La Paloma Avenue			
City: Wilmington	County: Los Angeles	State: CA	Zip Code: 90744
Contact Person: Shannon Hubbard		Telephone Number: (562)495-5490	

B. Facility Owner:

Name: Ultramar Inc.			Owner Type (Check One) 1. ☐ Individual 2. ☑ Corporation
Address: 2402 East Anaheim Street			3. ☐ Governmental Agency 4. ☐ Partnership
City: Wilmington	State: CA	Zip Code: 90744	5. ☐ Other:
Contact Person: Shannon Hubbard		Telephone Number: (562) 495-5490	Federal Tax ID: 94-1126451

C. Facility Operator (The agency or business, not the person):

Name: Ultramar Inc.			Operator Type (Check One) 1. ☐ Individual 2. ☑ Corporation
Address: 2402 East Anaheim Street			3. ☐ Governmental Agency 4. ☐ Partnership
City: Wilmington	State: CA	Zip Code: 90744	5. ☐ Other:
Contact Person: Shannon Hubbard		Telephone Number: (562) 495-5490	

D. Owner of the Land:

Name: Port of Los Angeles			Owner Type (Check One) 1. ☐ Individual 2. ☐ Corporation
Address: 425 South Palos Verdes Street			3. ☑ Governmental Agency 4. ☐ Partnership
City: San Pedro	State: CA	Zip Code: 90731	5. ☐ Other:
Contact Person: Rachel McPherson		Telephone Number: 310-732-0314	

E. Address Where Legal Notice May Be Served:

Address: 2402 East Anaheim Street		
City: Wilmington	State: CA	Zip Code: 90744
Contact Person: Shannon Hubbard	Telephone Number: (562) 495-5490	

F. Billing Address:

Address: 2402 East Anaheim Street		
City: Wilmington	State: CA	Zip Code: 90744
Contact Person: Shannon Hubbard	Telephone Number: (562)495-5490	

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

II. TYPE OF DISCHARGE

Check Type of Discharge(s) Described in this Application (A or B):

☐ **A. WASTE DISCHARGE TO LAND** ☑ **B. WASTE DISCHARGE TO SURFACE WATER**

Check all that apply:

- ☐ Domestic/Municipal Wastewater Treatment and Disposal
- ☐ Cooling Water
- ☐ Mining
- ☐ Waste Pile
- ☐ Wastewater Reclamation
- ☐ Other, please describe: _____
- ☐ Animal Waste Solids
- ☐ Land Treatment Unit
- ☐ Dredge Material Disposal
- ☐ Surface Impoundment
- ☐ Industrial Process Wastewater
- ☐ Animal or Aquacultural Wastewater
- ☐ Biosolids/Residual
- ☐ Hazardous Waste (see instructions)
- ☐ Landfill (see instructions)
- ☑ Storm Water

III. LOCATION OF THE FACILITY

Describe the physical location of the facility.

1. Assessor's Parcel Number(s)	2. Latitude	3. Longitude
Facility: 7440-014-904	**Facility:** 33 45' 33"	**Facility:** -118 15' 59"
Discharge Point: 7440-014-904	**Discharge Point:** 33 45' 36"	**Discharge Point:** -118 15' 55"

IV. REASON FOR FILING

- ☐ New Discharge or Facility
- ☐ Changes in Ownership/Operator (see instructions)
- ☐ Change in Design or Operation
- ☑ Waste Discharge Requirements Update or NPDES Permit Reissuance
- ☐ Change in Quantity/Type of Discharge
- ☐ Other: _____

V. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Name of Lead Agency: Los Angeles Regional Water Quality Control Board

Has a public agency determined that the proposed project is exempt from CEQA? ☑ **Yes** ☐ **No**

If Yes, state the basis for the exemption and the name of the agency supplying the exemption on the line below.

Basis for Exemption/Agency: California Water Code Section 13389, LARWQCB

Has a "Notice of Determination" been filed under CEQA? ☐ **Yes** ☑ **No**

If Yes, enclose a copy of the CEQA document, Environmental Impact Report, or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

Expected CEQA Documents:

☐ **EIR** ☐ **Negative Declaration** **Expected CEQA Completion Date:** _____

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

VI. OTHER REQUIRED INFORMATION

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

VII. OTHER

Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:

_____

_____

_____

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

VIII. CERTIFICATION

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

Print Name: Jason Lee **Title:** Director - HS&E

Signature: _____ **Date:** 7/9/18

FOR OFFICE USE ONLY

Date Form 200 Received:	Letter to Discharger:	Fee Amount Received:	Check #:

ATTACHMENT 7

Please print or type in the unshaded areas only. Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F CAD095149241 D

LABEL ITEMS	
I. EPA I.D. NUMBER	PLEASE PLACE LABEL IN THIS SPACE
III. FACILITY NAME	
V. FACILITY MAILING ADDRESS	
VI. FACILITY LOCATION	

GENERAL INSTRUCTIONS
If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
	16	17	18		19	20	21
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
	22	23	24		25	26	27
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
	28	29	30		31	32	33
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
	34	35	36		37	38	39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
	40	41	42		43	44	45

III. NAME OF FACILITY

1 SKIP: Wilmington Marine Terminal, Berth 164

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 Hubbard, Shannon Waste Program Coordinator	(562) 495-5490

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 2402 East Anaheim Street

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 Wilmington	CA	90744

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 961 La Paloma Avenue

B. COUNTY NAME: Los Angeles

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 Wilmington	CA	90744	

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CONTINUED FROM THE FRONT

VII SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
4491 *(specify)* Marine Cargo Handling	5171 *(specify)* Petroleum Bulk Stations and Terminals
C. THIRD	**D. FOURTH**
4612 *(specify)* Crude Petroleum Pipelines	4613 *(specify)* Refined Petroleum Pipelines

VIII OPERATOR INFORMATION

A. NAME: Ultramar Inc.

B. Is the name listed in item VIII-A also the owner? ☑ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other," specify.)*
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

Answer: P *(specify)*

D. PHONE *(area code & no.)*: (562) 495-5490

E. STREET OR P.O. BOX: 2402 East Anaheim Street

F. CITY OR TOWN: Wilmington

G. STATE: CA

H. ZIP CODE: 90744

IX. INDIAN LAND — Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	D. PSD *(Air Emissions from Proposed Sources)*	
N CA0055719	P	
B. UIC *(Underground Injection of Fluids)*	E. OTHER *(specify)*	
U		*(specify)*
C. RCRA *(Hazardous Wastes)*	E. OTHER *(specify)*	
R CAD095149241		*(specify)*

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

The Marine Terminal serves as a hydrocarbon bulk unloading, storage, and distribution facility for the Ultramar, Inc. Wilmington Refinery. It receives and ships crude petroleum and refined products by pipeline, marine vessels, and trucks.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining this information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
Jason Lee Director - HS&E		7-9-18

COMMENTS FOR OFFICIAL USE ONLY

C

EPA Form 3510-1 (8-90)

ATTACHMENT 8