ANTERRA

918 Mission Rock Road, Suite C1
Santa Paula, California, 93060
Tel: 805-981-4053
Fax: 805-981-4246

January 11, 2016

Mr. Sam Unger
Executive Officer
Los Angeles Regional Water Quality Control Board
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

Technical Report – Anterra Energy Services, Inc.
1933 East Wooley Road
Oxnard, CA 93030

The purpose of this report is to provide you with information in response to your December 18, 2015 letter. Anterra Energy Services, Inc. does not discharge any produced water from our production well to a sump or to the ground. Produced water from the production well goes directly to a steel bolted tank via pipeline. It is important to note that the information contained herein relates to the **impermeable Receiving Tank** associated with Anterra's commercial waste management operation involving the acceptance of Class II fluids and this structure is NOT AN UNLINED SUMP.

The waste management operation at this site is regulated by the Division of Oil and Gas and Geothermal Resources, the County of Ventura Planning Department, County Environmental Health Department, County Fire Department, the Ventura County APCD, Ventura County Watershed Protection District and the LARWQCB, Stormwater Quality Management Section.

Response to Questions, page 2 of the December 18th letter:

1. The location of the impermeable Receiving Tank, where Anterra accepts Class II fluids into the Oxnard facility is clearly indicated on Attachment A. This impermeable receiving tank is comprised of a carbon steel metal tank situated on top of concrete which acts as secondary containment. The concrete itself is 12"-14" thick and is in excellent condition. This was poured approximately 5 years ago and a 3500 pound mix was used. The dimensions of this receiving tank are approximately 35'6" long by 8'6" wide and 7' deep. There are no sumps on this site and to the best of our knowledge there have not been sumps used at this site. A description of the Impermeable Receiving Tank can be found on Attachment G.
2. We do not have procedures for closing sumps as Anterra does not use sumps.
3. The total estimated annual amount of Class II fluid discharged into this Receiving Tank is:
    a. Tank Bottoms – 80,063 bbls
    b. Drilling Mud – 38,914 bbls
4. The physical and chemical composition of the fluids (produced water) discharged into Anterra's bolted steel tanks (not the impermeable receiving tank mentioned above) can be found on Attachment B.

5. The physical and chemical composition of the solids (tank bottoms) discharged into the impermeable Receiving Tank can be found on Attachment C. Drilling muds are not available at this time due to minimal drilling in the industry.
6. The location of domestic, municipal and commercial water wells located within a half mile radius of the impermeable Receiving Tank is indicated on Attachment D. Note that the City of Oxnard has indicated they do NOT have wells within the half mile radius of our facility.
7. The historic water quality data available for the wells located within a half mile radius of the impermeable Receiving Tank can been found on Attachment E.
8. Current sampling results for wells located within a half mile radius of the impermeable Receiving Tank can be found on Attachment F.
9. Locations of monitoring wells – There are no monitoring wells in proximity of the Anterra facility.

Management of Class II fluids at the Anterra Facility:

1. Produced Water – produced water is transported to the Anterra facility via vacuum truck. It is discharged from the vacuum truck to a pipeline that immediately transfers this water into a bolted steel holding tank. Within this tank the heavier solids settle out and any fraction of oil will float to the top. Produced water is then processed through a filtration system and sent via pipeline, to one of our two injection disposal wells. Produced water is not discharged into the impermeable Receiving Tank at any point in time.
2. Tank Bottoms – tank bottoms are discharged to the impermeable Receiving Tank and then sent to a heated tank where the emulsion is broken with heat so that the water and oil begin to separate. Solids will sink to the bottom, oil is decanted off the top of the tank and the residual emulsion is transferred to the back of our plant for mixing. The mixing area is another area in the plant that is concrete lined and bermed. Soil is placed on top of the concrete (about 1'thick) before the tank bottoms are transferred to the mixing area. A mixture of mulch, sawdust and dirt is added to the tank bottom emulsion and the material is co-mingled by a loader. The sawdust is used to keep the weight of the material light (to control the cost of tipping fees at the landfill). The mulch adds surface area and texture to the mix and the dirt holds the fluid in mixture so there is no free liquid during transport. Once the mixture is of the desired consistency it is transported to a local landfill for disposal.
3. Drilling Muds – drilling muds are treated with the use of polymers, coagulants and the centrifuges. The water that is extracted from the drilling muds is sent to the filter system and then to the injection disposal wells via pipeline. The solid portion is taken from the centrifuge to the mixing area in the back of the plant and the solids are treated the same way as described above for tank bottoms.
4. Contaminated Soil – contaminated soil is brought to the plant on very rare occasions. When we do receive this material it is either co-mingled with clean dirt and then taken to the landfill or if it is very lightly contaminated then it will be mixed with drill muds and taken to the landfill.

I hope this report provides you with the information you were looking for. If you have any questions or need additional information, please contact me at 805 444-6737 or storman96@roadrunner.com

I, Frank Staben, certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining this information, 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.

Thank you,

Frank Staben
Vice President, Board of Directors
Anterra Energy Services, Inc.

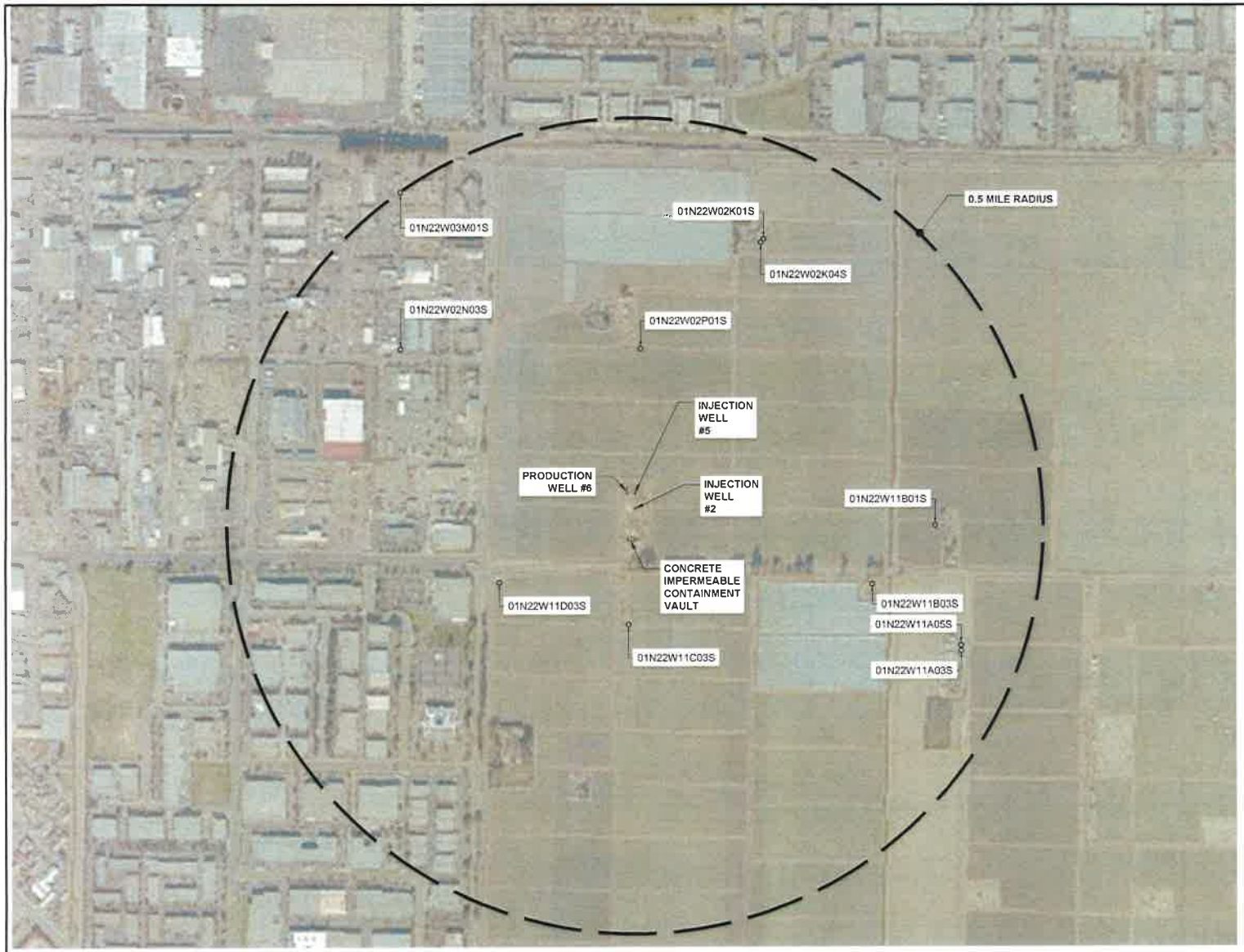
Attachment A

Location of the Impermeable Receiving Tank

at the Anterra Facility

and the Location of Active Wells within

One Half Mile of the Facility



LEGEND

- ACTIVE AGRICULTURAL WATER WELLS

SITE ADDRESS: 1933 E. WOOLEY ROAD, OXNARD, CA 93033
ASSESSOR'S PARCEL: 217-0-020-025

BENCH MARK DATA

BENCH MARK NO. 21-248 ELEVATION: 48.535 NGVD 1929
VENTURA CO. BRASS DISK STAMPED 1966 SET IN CONCRETE 8" SUBMERGED ON THE NORTH SIDE OF WOOLEY RD. APPROXIMATELY 0.20 OF A MILE EAST OF THE INTERSECTION OF WOOLEY RD. AND ROSE AVE.

N

300 0 300 600
SCALE IN FEET

DATUM HORZ: NAD83 CALIFORNIA ZONE 5, US FOOT
VERT: NAVD88

Anterra

SESPE CONSULTING, INC.
374 Poli Street, Ste. 200 • Ventura, CA 93001
(805) 275-1515 www.sespeconsulting.com

ANTERRA
ANTERRA PROCESSING FACILITY
DIEDRICH LEASE, OXNARD, CA
ACTIVE WATER WELLS WITHIN 0.5 MILE RADIUS OF FACILITY

FIGURE NUMBER
1

Attachment B

Lab Data from Produced Water

Attachment C

Lab Data from Tank Bottoms

Oilfield Environmental and Compliance, INC.

Melissa Howard
Anterra
918 Mission Rock Road, Suite C-1
Santa Paula, CA 93060

22 January 2016

RE: Anterra Work Order: 1600181

Dear Client:

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on 08-Jan-16 13:00 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ankita Kashyap

Project Manager

Oilfield Environmental and Compliance, INC.

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tank Bottoms	1600181-01	Produced Water	08-Jan-16 08:45	08-Jan-16 13:00
Produced Water	1600181-02	Produced Water	08-Jan-16 09:15	08-Jan-16 13:00

Oilfield Environmental and Compliance, INC.

Anterra	Project: Anterra	
918 Mission Rock Road. Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Tank Bottoms

1600181-01 (Produced Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance									
Wet Chemistry by EPA or APHA Standard Methods									
Total Alkalinity, CaCO3	**96**	10	mg/L	1	B6A0294	13-Jan-16	13-Jan-16	SM 2320B	
Bicarbonate, CaCO3	**96**	10	"	"	"	"	"	"	
Carbonate, CaCO3	ND	10	"	"	"	"	"	"	
Hydroxide, CaCO3	ND	10	"	"	"	"	"	"	
Specific Conductance (EC) @ 25 C	**6500**	2.0	umhos/cm	"	B6A0187	10-Jan-16	10-Jan-16	2510 B	
Total Dissolved Solids	**8100**	10	mg/L	"	B6A0436	19-Jan-16	19-Jan-16	2540C	HT-06
Anions by EPA Method 300.0									
Bromide	**12**	0.80	mg/L	2	B6A0172	08-Jan-16	08-Jan-16	EPA 300.0	
Chloride	**2800**	200	"	500	"	"	08-Jan-16	"	
Nitrate as N	**2.1**	0.80	"	2	"	"	08-Jan-16	"	
Sulfate	**74**	8.0	"	20	"	"	11-Jan-16	"	
Total Metals by EPA 6000/7000 Series Methods									
Antimony	ND	0.050	mg/L	1	B6A0447	19-Jan-16	21-Jan-16	EPA 6010B	
Arsenic	ND	0.020	"	"	"	"	"	"	
Barium	**1.6**	0.020	"	"	"	"	"	"	
Beryllium	ND	0.010	"	"	"	"	"	"	
Boron	**4.1**	0.10	"	"	"	"	"	"	
Cadmium	ND	0.0050	"	"	"	"	"	"	
Calcium	**730**	0.20	"	"	"	"	"	"	
Chromium	ND	0.010	"	"	"	"	"	"	
Cobalt	ND	0.010	"	"	"	"	"	"	
Copper	**0.035**	0.020	"	"	"	"	"	"	
Lead	**0.019**	0.010	"	"	"	"	"	"	
Lithium	**0.20**	0.025	"	"	"	"	"	"	
Magnesium	**8.9**	0.050	"	"	"	"	"	"	
Molybdenum	**0.0055**	0.0050	"	"	"	"	"	"	
Nickel	ND	0.0050	"	"	"	"	"	"	
Potassium	**44**	1.0	"	"	"	"	"	"	
Selenium	ND	0.050	"	"	"	"	"	"	
Silver	ND	0.010	"	"	"	"	"	"	
Sodium	**860**	5.0	"	5	"	"	21-Jan-16	"	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Tank Bottoms

1600181-01 (Produced Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance									
Total Metals by EPA 6000/7000 Series Methods									
Strontium	**12**	0.010	mg/L	1	B6A0447	19-Jan-16	21-Jan-16	EPA 6010B	
Thallium	ND	0.020	"	"	"	"	"	"	
Vanadium	ND	0.050	"	"	"	"	"	"	
Zinc	**0.66**	0.050	"	"	"	"	"	"	
Mercury	ND	0.00020	"	"	B6A0204	11-Jan-16	11-Jan-16	EPA 7470A	
TEPH by GC FID									
TPH Oil Crude (C8-C40)	**150**	1.0	mg/L	10	B6A0295	13-Jan-16	14-Jan-16	EPA 8015M	
Surrogate: o-Terphenyl		*84.9 %*	*40-156*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**67**	2.5	ug/L	5	B6A0269	13-Jan-16	13-Jan-16	EPA 8260B	
Ethylbenzene	**3.1**	2.5	"	"	"	"	"	"	
Toluene	**47**	2.5	"	"	"	"	"	"	
Xylenes (total)	**35**	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*83-131*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*78-134*		"	"	"	"	
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring									**R-05**
Acenaphthene	ND	0.51	ug/L	5	B6A0326	13-Jan-16	14-Jan-16	EPA 8270M SIM	
Acenaphthylene	ND	0.51	"	"	"	"	"	"	
Anthracene	ND	0.51	"	"	"	"	"	"	
Benz (a) anthracene	ND	0.51	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.51	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.51	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.51	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.51	"	"	"	"	"	"	
Chrysene	ND	0.51	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.51	"	"	"	"	"	"	
Fluoranthene	ND	0.51	"	"	"	"	"	"	
Fluorene	ND	0.51	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.51	"	"	"	"	"	"	
Naphthalene	**7.3**	0.51	"	"	"	"	"	"	
Phenanthrene	**3.1**	0.51	"	"	"	"	"	"	

Anterra	Project: Anterra	
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Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Tank Bottoms

1600181-01 (Produced Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Oilfield Environmental and Compliance

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring **R-05**

Pyrene	ND	0.51	ug/L	5	B6A0326	13-Jan-16	14-Jan-16	EPA 8270M SIM	
Surrogate: p-Terphenyl-d14		*75.0 %*	*23-169*		"	"	"	"	

Oilfield Environmental and Compliance, INC.

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Produced Water

1600181-02 (Produced Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance									
Wet Chemistry by EPA or APHA Standard Methods									
Total Alkalinity, CaCO3	**23**	10	mg/L	1	B6A0303	13-Jan-16	13-Jan-16	SM 2320B	
Bicarbonate, CaCO3	**23**	10	"	"	"	"	"	"	
Carbonate, CaCO3	ND	10	"	"	"	"	"	"	
Hydroxide, CaCO3	ND	10	"	"	"	"	"	"	
Specific Conductance (EC) @ 25 C	**31000**	2.0	umhos/cm	"	B6A0449	19-Jan-16	19-Jan-16	2510 B	
Total Dissolved Solids	**44000**	50	mg/L	5	B6A0436	19-Jan-16	19-Jan-16	2540C	HT-06
Anions by EPA Method 300.0									
Bromide	**48**	20	mg/L	50	B6A0172	08-Jan-16	08-Jan-16	EPA 300.0	
Chloride	**16000**	800	"	2000	"	"	08-Jan-16	"	
Nitrate as N	ND	20	"	50	"	"	08-Jan-16	"	R-06
Sulfate	ND	20	"	"	"	"	"	"	R-06
Total Metals by EPA 6000/7000 Series Methods									
Antimony	ND	0.050	mg/L	1	B6A0447	19-Jan-16	21-Jan-16	EPA 6010B	
Arsenic	ND	0.020	"	"	"	"	"	"	
Barium	**2.1**	0.020	"	"	"	"	"	"	
Beryllium	ND	0.010	"	"	"	"	"	"	
Boron	**17**	0.10	"	"	"	"	"	"	
Cadmium	ND	0.0050	"	"	"	"	"	"	
Calcium	**4800**	10	"	50	"	"	21-Jan-16	"	
Chromium	ND	0.010	"	1	"	"	21-Jan-16	"	
Cobalt	ND	0.010	"	"	"	"	"	"	
Copper	ND	0.020	"	"	"	"	"	"	
Lead	ND	0.010	"	"	"	"	"	"	
Lithium	**0.81**	0.025	"	"	"	"	"	"	
Magnesium	**6.2**	0.050	"	"	"	"	"	"	
Magnesium	**6.6**	2.5	"	50	"	"	21-Jan-16	"	
Molybdenum	ND	0.0050	"	1	"	"	21-Jan-16	"	
Nickel	ND	0.0050	"	"	"	"	"	"	
Potassium	**270**	1.0	"	"	"	"	"	"	
Selenium	**0.080**	0.050	"	"	"	"	"	"	
Silver	ND	0.010	"	"	"	"	"	"	
Strontium	**72**	0.50	"	50	"	"	21-Jan-16	"	
Thallium	**0.061**	0.020	"	1	"	"	21-Jan-16	"	
Vanadium	ND	0.050	"	"	"	"	"	"	
Zinc	ND	0.050	"	"	"	"	"	"	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Produced Water

1600181-02 (Produced Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Oilfield Environmental and Compliance

Total Metals by EPA 6000/7000 Series Methods

Mercury	ND	0.00020	mg/L	1	B6A0204	11-Jan-16	11-Jan-16	EPA 7470A	

TEPH by GC FID

TPH Oil Crude (C8-C40)	**100**	1.0	mg/L	10	B6A0295	13-Jan-16	14-Jan-16	EPA 8015M	
Surrogate: o-Terphenyl		*84.3 %*	*40-156*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Benzene	**10000**	200	ug/L	400	B6A0269	13-Jan-16	13-Jan-16	EPA 8260B	
Ethylbenzene	**300**	50	"	100	B6A0231	12-Jan-16	12-Jan-16	"	
Toluene	**4900**	50	"	"	"	"	"	"	
Xylenes (total)	**1800**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.8 %*	*83-131*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*78-134*		"	"	"	"	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring **R-05**

Acenaphthene	**0.77**	0.51	ug/L	5	B6A0326	13-Jan-16	14-Jan-16	EPA 8270M SIM	
Acenaphthylene	**1.0**	0.51	"	"	"	"	"	"	
Anthracene	ND	0.51	"	"	"	"	"	"	
Benz (a) anthracene	**0.31**	0.10	"	1	"	"	14-Jan-16	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (a) pyrene	**0.11**	0.10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.10	"	"	"	"	"	"	
Chrysene	**1.1**	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Fluoranthene	**0.51**	0.51	"	5	"	"	14-Jan-16	"	
Fluorene	**7.3**	0.51	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	1	"	"	14-Jan-16	"	
Naphthalene	**160**	10	"	100	"	"	14-Jan-16	"	
Phenanthrene	**14**	0.51	"	5	"	"	14-Jan-16	"	
Pyrene	**0.51**	0.51	"	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		*93.8 %*	*23-169*		"	"	"	"	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

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Wet Chemistry by EPA or APHA Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0187 - SM 2510B Prep										
Blank (B6A0187-BLK1)				Prepared & Analyzed: 10-Jan-16						
Specific Conductance (EC) @ 25 C	ND	2.0	umhos/cm							
LCS (B6A0187-BS1)				Prepared & Analyzed: 10-Jan-16						
Specific Conductance (EC) @ 25 C	94600	2.0	umhos/cm	99800		94.8	75-125			
LCS (B6A0187-BS2)				Prepared & Analyzed: 10-Jan-16						
Specific Conductance (EC) @ 25 C	1020	2.0	umhos/cm	998		102	75-125			
Duplicate (B6A0187-DUP1)		**Source: 1600122-01**		Prepared & Analyzed: 10-Jan-16						
Specific Conductance (EC) @ 25 C	79.4	2.0	umhos/cm		78.2			1.52	20	
Batch B6A0294 - EPA 2320B Alkalinity Prep										
Blank (B6A0294-BLK1)				Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	ND	10	mg/L							
Bicarbonate, CaCO3	ND	10	"							
Carbonate, CaCO3	ND	10	"							
Hydroxide, CaCO3	ND	10	"							
LCS (B6A0294-BS1)				Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	2410	10	mg/L	2500		96.3	80-120			
Carbonate, CaCO3	2370	10	"	2500		94.6	80-120			
Duplicate (B6A0294-DUP1)		**Source: 1600087-01**		Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	72.0	10	mg/L		73.0			1.38	20	
Bicarbonate, CaCO3	72.0	10	"		73.0			1.38	20	
Carbonate, CaCO3	ND	10	"		ND				20	
Hydroxide, CaCO3	ND	10	"		ND				20	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Wet Chemistry by EPA or APHA Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0303 - EPA 2320B Alkalinity Prep										
Blank (B6A0303-BLK1)				Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	ND	10	mg/L							
Bicarbonate, CaCO3	ND	10	"							
Carbonate, CaCO3	ND	10	"							
Hydroxide, CaCO3	ND	10	"							
LCS (B6A0303-BS1)				Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	450	10	mg/L	500		89.9	80-120			
Carbonate, CaCO3	432	10	"	500		86.5	80-120			
Duplicate (B6A0303-DUP1)	**Source: 1600118-02**			Prepared & Analyzed: 13-Jan-16						
Total Alkalinity, CaCO3	19.2	10	mg/L		21.2			9.90	20	
Bicarbonate, CaCO3	19.2	10	"		21.2			9.90	20	
Carbonate, CaCO3	ND	10	"		ND				20	
Hydroxide, CaCO3	ND	10	"		ND				20	
Batch B6A0352 - 2540 C TDS Prep										
Blank (B6A0352-BLK1)				Prepared & Analyzed: 15-Jan-16						
Total Dissolved Solids	ND	10	mg/L							
LCS (B6A0352-BS1)				Prepared & Analyzed: 15-Jan-16						
Total Dissolved Solids	990	10	mg/L	1000		99.2	75-125			
LCS Dup (B6A0352-BSD1)				Prepared & Analyzed: 15-Jan-16						
Total Dissolved Solids	990	10	mg/L	1000		98.8	75-125	0.404	10	
Duplicate (B6A0352-DUP1)	**Source: 1600181-01**			Prepared & Analyzed: 15-Jan-16						
Total Dissolved Solids	8400	10	mg/L		7200			14.4	10	QR-04

Anterra	Project: Anterra	
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Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Wet Chemistry by EPA or APHA Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0436 - 2540 C TDS Prep										
Blank (B6A0436-BLK1)				Prepared & Analyzed: 19-Jan-16						
Total Dissolved Solids	ND	10	mg/L							
LCS (B6A0436-BS1)				Prepared & Analyzed: 19-Jan-16						
Total Dissolved Solids	980	10	mg/L	1000		98.2	75-125			
LCS Dup (B6A0436-BSD1)				Prepared & Analyzed: 19-Jan-16						
Total Dissolved Solids	980	10	mg/L	1000		97.8	75-125	0.408	10	
Duplicate (B6A0436-DUP1)			Source: 1600181-01RE1	Prepared & Analyzed: 19-Jan-16						
Total Dissolved Solids	8300	10	mg/L		8100			2.07	10	
Batch B6A0449 - SM 2510B Prep										
Blank (B6A0449-BLK1)				Prepared & Analyzed: 19-Jan-16						
Specific Conductance (EC) @ 25 C	ND	2.0	umhos/cm							
LCS (B6A0449-BS1)				Prepared & Analyzed: 19-Jan-16						
Specific Conductance (EC) @ 25 C	92200	2.0	umhos/cm	99800		92.4	75-125			
LCS (B6A0449-BS2)				Prepared & Analyzed: 19-Jan-16						
Specific Conductance (EC) @ 25 C	1020	2.0	umhos/cm	998		103	75-125			
Duplicate (B6A0449-DUP1)			Source: 1600277-01	Prepared & Analyzed: 19-Jan-16						
Specific Conductance (EC) @ 25 C	5270	2.0	umhos/cm		5230			0.762	20	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Anions by EPA Method 300.0 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0172 - EPA 300.0/300.1 Anions Prep										
Blank (B6A0172-BLK1)				Prepared & Analyzed: 08-Jan-16						
Bromide	ND	0.40	mg/L							
Chloride	ND	0.40	"							
Nitrate as N	ND	0.40	"							
Sulfate	ND	0.40	"							
LCS (B6A0172-BS1)				Prepared & Analyzed: 08-Jan-16						
Bromide	4.91	0.40	mg/L	5.00		98.2	90-110			
Chloride	4.89	0.40	"	5.00		97.8	90-110			
Nitrate as N	4.71	0.40	"	5.00		94.3	90-110			
Sulfate	4.93	0.40	"	5.00		98.6	90-110			
LCS Dup (B6A0172-BSD1)				Prepared & Analyzed: 08-Jan-16						
Bromide	4.82	0.40	mg/L	5.00		96.3	90-110	1.95	20	
Chloride	4.79	0.40	"	5.00		95.8	90-110	2.11	20	
Nitrate as N	4.65	0.40	"	5.00		93.0	90-110	1.39	20	
Sulfate	4.94	0.40	"	5.00		98.7	90-110	0.142	20	
Duplicate (B6A0172-DUP1)		**Source: 1600139-01**		Prepared & Analyzed: 08-Jan-16						
Bromide	ND	0.40	mg/L		ND				20	
Nitrate as N	1.00	0.40	"		1.01			0.598	20	
Duplicate (B6A0172-DUP2)		**Source: 1600139-01RE1**		Prepared & Analyzed: 08-Jan-16						
Chloride	21.0	4.0	mg/L		21.0			0.143	20	
Sulfate	215	4.0	"		217			0.751	20	
Matrix Spike (B6A0172-MS1)		**Source: 1600139-01**		Prepared & Analyzed: 08-Jan-16						
Bromide	4.82	0.40	mg/L	5.00	ND	96.4	80-120			
Nitrate as N	5.53	0.40	"	5.00	1.01	90.5	80-120			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Anions by EPA Method 300.0 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0172 - EPA 300.0/300.1 Anions Prep										
Matrix Spike (B6A0172-MS2)		**Source: 1600139-01RE1**		Prepared & Analyzed: 08-Jan-16						
Chloride	72.5	4.2	mg/L	52.6	21.0	97.9	80-120			
Sulfate	268	4.2	"	52.6	217	98.3	80-120			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0204 - EPA 7470A Prep										
Blank (B6A0204-BLK1)				Prepared & Analyzed: 11-Jan-16						
Mercury	ND	0.00020	mg/L							
LCS (B6A0204-BS1)				Prepared & Analyzed: 11-Jan-16						
Mercury	0.0101	0.00020	mg/L	0.0100		101	85-115			
LCS Dup (B6A0204-BSD1)				Prepared & Analyzed: 11-Jan-16						
Mercury	0.0104	0.00020	mg/L	0.0100		104	85-115	2.48	20	
Duplicate (B6A0204-DUP1)			Source: 1600095-03RE1	Prepared & Analyzed: 11-Jan-16						
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B6A0204-MS1)			Source: 1600095-03RE1	Prepared & Analyzed: 11-Jan-16						
Mercury	0.0102	0.00020	mg/L	0.0100	ND	102	75-125			
Matrix Spike Dup (B6A0204-MSD1)			Source: 1600095-03RE1	Prepared & Analyzed: 11-Jan-16						
Mercury	0.0102	0.00020	mg/L	0.0100	ND	102	75-125	0.0985	20	
Post Spike (B6A0204-PS1)			Source: 1600095-03RE1	Prepared & Analyzed: 11-Jan-16						
Mercury	4.97		ug/L	5.00	0.00180	99.4	85-115			
Batch B6A0447 - EPA 3010A										
Blank (B6A0447-BLK1)				Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.020	"							
Barium	ND	0.020	"							
Beryllium	ND	0.010	"							
Boron	ND	0.10	"							
Cadmium	ND	0.0050	"							
Calcium	ND	0.20	"							
Chromium	ND	0.010	"							
Cobalt	ND	0.010	"							
Copper	ND	0.020	"							
Lead	ND	0.010	"							
Lithium	ND	0.025	"							
Magnesium	ND	0.050	"							
Molybdenum	ND	0.0050	"							
Nickel	ND	0.0050	"							
Potassium	ND	1.0	"							
Selenium	ND	0.050	"							
Silver	ND	0.010	"							
Sodium	ND	1.0	"							
Strontium	ND	0.010	"							

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0447 - EPA 3010A										
Blank (B6A0447-BLK1)				Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Thallium	ND	0.020	mg/L							
Vanadium	ND	0.050	"							
Zinc	ND	0.050	"							
LCS (B6A0447-BS1)				Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	2.02	0.050	mg/L	2.00		101	80-120			
Arsenic	1.96	0.020	"	2.00		97.8	80-120			
Barium	1.99	0.020	"	2.00		99.6	80-120			
Beryllium	2.01	0.010	"	2.00		100	80-120			
Boron	1.96	0.10	"	2.00		97.9	80-120			
Cadmium	2.04	0.0050	"	2.00		102	80-120			
Calcium	10.2	0.20	"	10.0		102	80-120			
Chromium	2.01	0.010	"	2.00		101	80-120			
Cobalt	2.02	0.010	"	2.00		101	80-120			
Copper	2.06	0.020	"	2.00		103	80-120			
Lead	2.07	0.010	"	2.00		103	80-120			
Lithium	2.08	0.025	"	2.00		104	80-120			
Magnesium	10.3	0.050	"	10.0		103	80-120			
Molybdenum	1.98	0.0050	"	2.00		98.8	80-120			
Nickel	2.02	0.0050	"	2.00		101	80-120			
Potassium	10.0	1.0	"	10.0		100	80-120			
Selenium	1.95	0.050	"	2.00		97.6	80-120			
Silver	0.108	0.010	"	0.100		108	80-120			
Sodium	10.4	1.0	"	10.0		104	80-120			
Strontium	1.98	0.010	"	2.00		99.0	80-120			
Thallium	2.11	0.020	"	2.00		105	80-120			
Vanadium	1.98	0.050	"	2.00		98.9	80-120			
Zinc	2.02	0.050	"	2.00		101	80-120			

Anterra	Project: Anterra	
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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0447 - EPA 3010A										
LCS Dup (B6A0447-BSD1)				Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	2.06	0.050	mg/L	2.00		103	80-120	2.21	20	
Arsenic	2.03	0.020	"	2.00		102	80-120	3.86	20	
Barium	2.02	0.020	"	2.00		101	80-120	1.10	20	
Beryllium	2.03	0.010	"	2.00		102	80-120	1.09	20	
Boron	2.01	0.10	"	2.00		101	80-120	2.67	20	
Cadmium	2.08	0.0050	"	2.00		104	80-120	1.89	20	
Calcium	10.2	0.20	"	10.0		102	80-120	0.393	20	
Chromium	2.05	0.010	"	2.00		102	80-120	1.87	20	
Cobalt	2.05	0.010	"	2.00		103	80-120	1.33	20	
Copper	2.10	0.020	"	2.00		105	80-120	2.06	20	
Lead	2.10	0.010	"	2.00		105	80-120	1.68	20	
Lithium	2.10	0.025	"	2.00		105	80-120	1.20	20	
Magnesium	10.4	0.050	"	10.0		104	80-120	1.06	20	
Molybdenum	2.05	0.0050	"	2.00		103	80-120	3.78	20	
Nickel	2.05	0.0050	"	2.00		102	80-120	1.33	20	
Potassium	10.0	1.0	"	10.0		100	80-120	0.00	20	
Selenium	2.00	0.050	"	2.00		99.8	80-120	2.23	20	
Silver	0.111	0.010	"	0.100		111	80-120	2.10	20	
Sodium	10.5	1.0	"	10.0		105	80-120	1.34	20	
Strontium	1.99	0.010	"	2.00		99.7	80-120	0.755	20	
Thallium	2.14	0.020	"	2.00		107	80-120	1.69	20	
Vanadium	2.02	0.050	"	2.00		101	80-120	2.00	20	
Zinc	2.03	0.050	"	2.00		102	80-120	0.938	20	
Duplicate (B6A0447-DUP1)		**Source: 1600181-01**		Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	ND	0.050	mg/L		ND				20	
Arsenic	ND	0.020	"		ND				20	
Barium	1.70	0.020	"		1.57			7.94	20	
Beryllium	ND	0.010	"		ND				20	
Boron	4.38	0.10	"		4.11			6.43	20	
Cadmium	ND	0.0050	"		ND				20	
Calcium	763	0.20	"		730			4.40	20	
Chromium	0.00960	0.010	"		0.00940			2.11	20	
Cobalt	ND	0.010	"		ND				20	
Copper	0.0384	0.020	"		0.0351			8.98	20	
Lead	0.0175	0.010	"		0.0188			7.16	20	
Lithium	0.217	0.025	"		0.196			9.88	20	
Magnesium	9.34	0.050	"		8.92			4.68	20	
Molybdenum	0.00560	0.0050	"		0.00550			1.80	20	
Nickel	ND	0.0050	"		0.00360				20	
Potassium	40.8	1.0	"		43.6			6.63	20	

Anterra	Project: Anterra	
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Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0447 - EPA 3010A										
Duplicate (B6A0447-DUP1)	**Source: 1600181-01**			Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Selenium	ND	0.050	mg/L		ND				20	
Silver	ND	0.010	"		ND				20	
Strontium	12.9	0.010	"		12.0			6.58	20	
Thallium	ND	0.020	"		ND				20	
Vanadium	0.0178	0.050	"		0.0143			21.8	20	QR-04
Zinc	0.697	0.050	"		0.656			6.09	20	
Duplicate (B6A0447-DUP2)	**Source: 1600181-01RE1**			Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Sodium	899	5.0	mg/L		864			3.91	20	
Matrix Spike (B6A0447-MS1)	**Source: 1600181-01**			Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	2.14	0.050	mg/L	2.00	ND	107	69-138			
Arsenic	2.22	0.020	"	2.00	ND	111	56-149			
Barium	3.89	0.020	"	2.00	1.57	116	77-132			
Beryllium	2.10	0.010	"	2.00	ND	105	85-119			
Boron	6.42	0.10	"	2.00	4.11	115	66-134			
Cadmium	2.06	0.0050	"	2.00	ND	103	86-121			
Calcium	780	0.20	"	10.0	730	491	77-131			QM-4X
Chromium	2.04	0.010	"	2.00	0.00940	101	81-128			
Cobalt	1.98	0.010	"	2.00	ND	99.0	84-119			
Copper	2.10	0.020	"	2.00	0.0351	103	83-124			
Lead	1.96	0.010	"	2.00	0.0188	96.9	80-122			
Lithium	2.89	0.025	"	2.00	0.196	135	72-141			
Magnesium	19.6	0.050	"	10.0	8.92	107	82-124			
Molybdenum	2.08	0.0050	"	2.00	0.00550	104	76-128			
Nickel	1.99	0.0050	"	2.00	0.00360	99.5	85-120			
Potassium	51.0	1.0	"	10.0	43.6	73.8	64-145			
Selenium	2.22	0.050	"	2.00	ND	111	48-164			
Silver	0.116	0.010	"	0.100	ND	116	76-130			
Strontium	15.3	0.010	"	2.00	12.0	164	57-145			QM-4X
Thallium	1.79	0.020	"	2.00	ND	89.4	63-135			
Vanadium	2.08	0.050	"	2.00	0.0143	103	86-127			
Zinc	2.74	0.050	"	2.00	0.656	104	68-141			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0447 - EPA 3010A										
Matrix Spike (B6A0447-MS2)		**Source: 1600181-01RE1**		Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Sodium	931	5.0	mg/L	10.0	864	665	75-125			QM-4X
Matrix Spike Dup (B6A0447-MSD1)		**Source: 1600181-01**		Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Antimony	2.34	0.050	mg/L	2.00	ND	117	69-138	9.06	20	
Arsenic	2.42	0.020	"	2.00	ND	121	56-149	8.71	20	
Barium	4.34	0.020	"	2.00	1.57	138	77-132	10.9	20	QM-07
Beryllium	2.27	0.010	"	2.00	ND	114	85-119	7.78	20	
Boron	6.87	0.10	"	2.00	4.11	138	66-134	6.82	20	QM-07
Cadmium	2.23	0.0050	"	2.00	ND	112	86-121	7.82	20	
Calcium	829	0.20	"	10.0	730	989	77-131	6.19	20	QM-4X
Chromium	2.20	0.010	"	2.00	0.00940	109	81-128	7.51	20	
Cobalt	2.14	0.010	"	2.00	ND	107	84-119	7.72	20	
Copper	2.29	0.020	"	2.00	0.0351	113	83-124	8.76	20	
Lead	2.11	0.010	"	2.00	0.0188	104	80-122	7.43	20	
Lithium	3.11	0.025	"	2.00	0.196	146	72-141	7.23	20	QM-07
Magnesium	21.2	0.050	"	10.0	8.92	123	82-124	8.04	20	
Molybdenum	2.26	0.0050	"	2.00	0.00550	113	76-128	8.53	20	
Nickel	2.15	0.0050	"	2.00	0.00360	107	85-120	7.67	20	
Potassium	55.4	1.0	"	10.0	43.6	117	64-145	8.20	20	
Selenium	2.37	0.050	"	2.00	ND	118	48-164	6.45	20	
Silver	0.129	0.010	"	0.100	ND	129	76-130	10.4	20	
Strontium	16.0	0.010	"	2.00	12.0	199	57-145	4.46	20	QM-4X
Thallium	1.95	0.020	"	2.00	ND	97.6	63-135	8.83	20	
Vanadium	2.25	0.050	"	2.00	0.0143	112	86-127	7.72	20	
Zinc	2.95	0.050	"	2.00	0.656	115	68-141	7.27	20	
Matrix Spike Dup (B6A0447-MSD2)		**Source: 1600181-01RE1**		Prepared: 19-Jan-16 Analyzed: 21-Jan-16						
Sodium	974	5.0	mg/L	10.0	864	NR	75-125	4.46	20	QM-4X

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
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TEPH by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0295 - EPA 3510C										
Blank (B6A0295-BLK1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
TPH Oil Crude (C8-C40)	ND	0.10	mg/L							
Surrogate: o-Terphenyl	*0.107*		"	*0.100*		*107*	*40-156*			
LCS (B6A0295-BS1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
TPH Oil Crude (C8-C40)	2.20	0.10	mg/L	2.00		110	54-123			
Surrogate: o-Terphenyl	*0.109*		"	*0.100*		*109*	*40-156*			
LCS Dup (B6A0295-BSD1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
TPH Oil Crude (C8-C40)	2.00	0.10	mg/L	2.00		99.9	54-123	9.50	20	
Surrogate: o-Terphenyl	*0.105*		"	*0.100*		*105*	*40-156*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0231 - EPA 5030B Leachate GCMS										
Blank (B6A0231-BLK1)				Prepared & Analyzed: 12-Jan-16						
Benzene	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*13.0*		"	*12.5*		*104*	*83-131*			
Surrogate: Toluene-d8	*12.5*		"	*12.5*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.9*		"	*12.5*		*94.9*	*78-134*			
LCS (B6A0231-BS1)				Prepared & Analyzed: 12-Jan-16						
Benzene	23.5	0.50	ug/L	25.0		93.9	84-120			
Toluene	24.2	0.50	"	25.0		97.0	84-125			
Surrogate: Dibromofluoromethane	*12.8*		"	*12.5*		*102*	*83-131*			
Surrogate: Toluene-d8	*12.5*		"	*12.5*		*99.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*12.5*		*96.3*	*78-134*			
LCS Dup (B6A0231-BSD1)				Prepared & Analyzed: 12-Jan-16						
Benzene	24.3	0.50	ug/L	25.0		97.4	84-120	3.64	20	
Toluene	24.6	0.50	"	25.0		98.4	84-125	1.39	20	
Surrogate: Dibromofluoromethane	*12.9*		"	*12.5*		*103*	*83-131*			
Surrogate: Toluene-d8	*12.6*		"	*12.5*		*101*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.9*		"	*12.5*		*95.0*	*78-134*			
Duplicate (B6A0231-DUP1)	**Source: 1600202-01**			Prepared & Analyzed: 12-Jan-16						
Benzene	240	50	ug/L		255			6.06	20	
Ethylbenzene	121	50	"		126			4.05	20	
Toluene	157	50	"		163			3.75	20	
Xylenes (total)	192	50	"		202			5.08	20	
Surrogate: Dibromofluoromethane	*12.7*		"	*12.5*		*102*	*83-131*			
Surrogate: Toluene-d8	*12.7*		"	*12.5*		*101*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*12.5*		*95.7*	*78-134*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0269 - EPA 5030B VOCGCMS										
Blank (B6A0269-BLK1)				Prepared & Analyzed: 13-Jan-16						
Benzene	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*12.9*		"	*12.5*		*104*	*83-131*			
Surrogate: Toluene-d8	*12.5*		"	*12.5*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.8*		"	*12.5*		*94.3*	*78-134*			
LCS (B6A0269-BS1)				Prepared & Analyzed: 13-Jan-16						
Benzene	24.1	0.50	ug/L	25.0		96.5	84-120			
Toluene	24.6	0.50	"	25.0		98.3	84-125			
Surrogate: Dibromofluoromethane	*12.6*		"	*12.5*		*101*	*83-131*			
Surrogate: Toluene-d8	*12.5*		"	*12.5*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.7*		"	*12.5*		*93.9*	*78-134*			
LCS Dup (B6A0269-BSD1)				Prepared & Analyzed: 13-Jan-16						
Benzene	23.0	0.50	ug/L	25.0		92.0	84-120	4.75	20	
Toluene	23.3	0.50	"	25.0		93.2	84-125	5.26	20	
Surrogate: Dibromofluoromethane	*12.6*		"	*12.5*		*101*	*83-131*			
Surrogate: Toluene-d8	*12.4*		"	*12.5*		*98.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.7*		"	*12.5*		*93.4*	*78-134*			
Duplicate (B6A0269-DUP1)		**Source: 1600176-01**		Prepared & Analyzed: 13-Jan-16						
Benzene	ND	0.50	ug/L		ND				20	
Ethylbenzene	ND	0.50	"		ND				20	
Toluene	ND	0.50	"		ND				20	
Xylenes (total)	ND	0.50	"		ND				20	
Surrogate: Dibromofluoromethane	*13.0*		"	*12.5*		*104*	*83-131*			
Surrogate: Toluene-d8	*12.5*		"	*12.5*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*11.9*		"	*12.5*		*95.4*	*78-134*			

Oilfield Environmental and Compliance, INC.

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0269 - EPA 5030B VOCGCMS										
Matrix Spike (B6A0269-MS1)	**Source: 1600178-01RE2**			Prepared & Analyzed: 13-Jan-16						
Benzene	4410	100	ug/L	5000	ND	88.2	82-118			
Toluene	4460	100	"	5000	ND	89.2	82-123			
Surrogate: Dibromofluoromethane	*2510*		"	*2500*		*100*	*83-131*			
Surrogate: Toluene-d8	*2540*		"	*2500*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*2440*		"	*2500*		*97.4*	*78-134*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0326 - EPA 3510C MS										
Blank (B6A0326-BLK1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
Acenaphthene	ND	0.10	ug/L							
Acenaphthylene	ND	0.10	"							
Anthracene	ND	0.10	"							
Benz (a) anthracene	ND	0.10	"							
Benzo (b) fluoranthene	ND	0.10	"							
Benzo (k) fluoranthene	ND	0.10	"							
Benzo (a) pyrene	ND	0.10	"							
Benzo (g,h,i) perylene	ND	0.10	"							
Chrysene	ND	0.10	"							
Dibenz (a,h) anthracene	ND	0.10	"							
Fluoranthene	ND	0.10	"							
Fluorene	ND	0.10	"							
Indeno (1,2,3-cd) pyrene	ND	0.10	"							
Naphthalene	ND	0.10	"							
Phenanthrene	ND	0.10	"							
Pyrene	ND	0.10	"							
Surrogate: p-Terphenyl-d14	*0.840*		"	*0.800*		*105*	*23-169*			
LCS (B6A0326-BS1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
Acenaphthene	0.770	0.10	ug/L	0.800		96.2	50-112			
Acenaphthylene	0.720	0.10	"	0.800		90.0	45-115			
Anthracene	0.720	0.10	"	0.800		90.0	37-129			
Benz (a) anthracene	0.780	0.10	"	0.800		97.5	71-128			
Benzo (b) fluoranthene	0.780	0.10	"	0.800		97.5	73-131			
Benzo (k) fluoranthene	0.850	0.10	"	0.800		106	75-142			
Benzo (a) pyrene	0.760	0.10	"	0.800		95.0	62-130			
Benzo (g,h,i) perylene	0.910	0.10	"	0.800		114	65-162			
Chrysene	0.860	0.10	"	0.800		108	83-129			
Dibenz (a,h) anthracene	0.930	0.10	"	0.800		116	67-158			
Fluoranthene	0.820	0.10	"	0.800		102	70-125			
Fluorene	0.750	0.10	"	0.800		93.8	50-114			
Indeno (1,2,3-cd) pyrene	0.930	0.10	"	0.800		116	60-162			
Naphthalene	0.680	0.10	"	0.800		85.0	41-110			
Phenanthrene	0.760	0.10	"	0.800		95.0	58-120			
Pyrene	0.820	0.10	"	0.800		102	70-126			
Surrogate: p-Terphenyl-d14	*0.880*		"	*0.800*		*110*	*23-169*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A0326 - EPA 3510C MS										
LCS Dup (B6A0326-BSD1)				Prepared: 13-Jan-16 Analyzed: 14-Jan-16						
Acenaphthene	0.740	0.10	ug/L	0.800		92.5	50-112	3.97	30	
Acenaphthylene	0.680	0.10	"	0.800		85.0	45-115	5.71	30	
Anthracene	0.690	0.10	"	0.800		86.2	37-129	4.26	30	
Benz (a) anthracene	0.760	0.10	"	0.800		95.0	71-128	2.60	30	
Benzo (b) fluoranthene	0.760	0.10	"	0.800		95.0	73-131	2.60	30	
Benzo (k) fluoranthene	0.840	0.10	"	0.800		105	75-142	1.18	30	
Benzo (a) pyrene	0.730	0.10	"	0.800		91.2	62-130	4.03	30	
Benzo (g,h,i) perylene	0.870	0.10	"	0.800		109	65-162	4.49	30	
Chrysene	0.850	0.10	"	0.800		106	83-129	1.17	30	
Dibenz (a,h) anthracene	0.890	0.10	"	0.800		111	67-158	4.40	30	
Fluoranthene	0.800	0.10	"	0.800		100	70-125	2.47	30	
Fluorene	0.780	0.10	"	0.800		97.5	50-114	3.92	30	
Indeno (1,2,3-cd) pyrene	0.900	0.10	"	0.800		112	60-162	3.28	30	
Naphthalene	0.620	0.10	"	0.800		77.5	41-110	9.23	30	
Phenanthrene	0.720	0.10	"	0.800		90.0	58-120	5.41	30	
Pyrene	0.800	0.10	"	0.800		100	70-126	2.47	30	
Surrogate: p-Terphenyl-d14	*0.860*		"	*0.800*		*108*	*23-169*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Anterra Plant Water Board Testing	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa Howard	22-Jan-16 13:48

Notes and Definitions

R-06	The Reporting Limit has been raised to account for the presence of high levels of analytes.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
QR-04	The RPD exceeded the QC control limits.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
HT-06	Original analysis done in hold time. Re-analysis done out of hold time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Oilfield Environmental and Compliance
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com

101 Adkisson Way, Taft, CA 93268
Phone: (661) 762-9143

CHAIN OF CUSTODY

Page 1 of 1

Company: Anterra
Address: 1880 E. Wooley Rd.
City/State/ZIP: Oxnard, CA, 93030
Phone: (805) 207-5490 Fax: E-mail: mhoward@anterraservices.com
Report To: Melissa Howard Sampler:
Report Format(s): FAX- ☐ PDF (std)- ☐ Colt/LUFT EDF- ☐ EDD- ☐
Turnaround Time: 10 Days- ☑ 5 Days (std)- ☐ 3 Days- ☐ 2 Days- ☐ 1 Day- ☐ ASAP- ☐
NOTE: Samples received after 4:00PM will be considered as received the next business day

Project Name/#: Anterra Plant Water Board Testing
Site: 1880 E. Wooley Road

OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	Analysis Requested: TPH (Surface Impoundments (Simpl.) Sec. 13267-2015)	Special Instructions:
1600181-1A-M	01/08/16 0915	PW	12	Tank Bottoms	X	See Attachment-A for Analysis Suite Details
2AM	01/08/16 0915	PW	12	Produced Water	X	

Relinquished By: Clarence Rayon (CJ) Date: 01.08.16 Time: 1300
Received By: Date: 1.8.16 Time: 1300

Relinquished By: Date: Time:
Received By: Date: Time:

Relinquished By: Date: Time:
Received By: Date: Time:

Matrix Key**:
A = air / vapor
AQ = aqueous
DW = drinking water
F = filter
GW = ground water
P = product / oil
PW = product water
S = solid / sediment
SW = surface water
WP = wipe
WW = waste water

Comments/PO#:
OEC Ticket # 4897

Rev. 09/23/2014

CLIENT: Antevra

WORK ORDER: 1600081

TEMPERATURE: 13.4 °C
Acceptable Range: 0°C to 6°C (see exception notes below)

SAMPLE RECEIPT

COC RECEIVED DATE/TIME: 1.8.16 @ 1300

LOGIN DATE/TIME: 1.8.16 @ 1330

REFRIGERATOR(S): 8, 3, ACZ

SAMPLE TRANSPORT

- [X] OEC Courier/Sampler
- [ ] Delivery (Other than OEC)
- [ ] After-Hours Outside Drop-Off [Brought Inside]
  - Initials/Date/Time: _____
- [ ] Shipment Carrier: _____
  - Tracking #: _____

CUSTODY SEALS [X] None Present

Cooler(s): [ ] Present, Intact [ ] Present, Not Intact [ ] None

Sample(s): [ ] Present, Intact [ ] Present, Not Intact [ ] None

SAMPLE RECEIPT, CONDITION, PRESERVATION

- [ ] Samples Received Outside Temperature Range [Acceptable]
  - [X] Direct from Field, ~~or Ice~~
  - [ ] Ambient: Air or Filter Matrix
  - [ ] Received Ambient, Placed on Ice for Transport
  - [ ] Sample Temperature Acceptable for Analysis Requested
- [ ] Samples Received Outside Temperature Range [Exception]
  - [ ] See Problem Chain *
  - [ ] Insufficient Ice or Unknown Cause
  - [ ] Expedited PM Notification [Init/Date/Time]: _____

	YES	NO	N/A	(**) OEC PRES. ID
COC Document(s) Received With Samples	X	[ ]*	[ ]	
Correct Container(s) for Analysis Requested	X	[ ]*	[ ]	
Container(s) Intact and In Good Condition	X	[ ]*	[ ]	
Container Label(s) Consistent with COC	X	[ ]*	[ ]	
Proper Preservation on Sample Label(s)	X	[ ]	[ ]	
OEC Preservative Added **	[ ]	X	[ ]	
VOA Containers Free of Headspace	X	[ ]*	[ ]	
Tedlar Bag(s) Free of Condensation	[ ]	[ ]*	X	

(*) PROBLEM CHAIN FORM REQUIRED

CONTAINERS, COC CHANGES, AND/OR CORRECTIONS

OEC CONTAINER ID	CONTAINER DESCRIPTION	PRESERVATIVE	CHECKS: Cl⁻, S⁻ &/or pH	MATRIX	COMMENTS	INITIALS
1-2 A-B	2-1L Ambers ea	—	—	W	8	
1-2 C	1-1L poly ea	—	—		1	
1-2 D-F	3-1L poly ea	HNO3	—		ACZ	
1-2 G	1-250 mL poly ea	↓	<2		8	
1-2 H-I	2-40 mL VOAs ea	—	—		1	
1-2 J-L	3-40mL VOAs ea	HCl	—	↓	3	

Rev. 09/25/2015

RECEIPT LOGIN BY: _____

RECEIPT REVIEWED BY: EMA

Oilfield Environmental & Compliance, Inc.
307 Roemer Way, Suite 300, Santa Maria, Ca 93454
101 Adkisson Way, Taft, Ca 93268
Phone: 805-922-4772 / 661-762-9143
AR@oecusa.com

Date: 01/08/2016

Employee Name: Clarence Reynolds

Client Name: Anterra Oxnard

Project / Site Name: Anterra Plant Water Board Testing / 1880 E. Wooley Rd

Roundtrip Drive Time: 4	Roundtrip Drive Mileage: 210
Start Field Time: 0730	Stop Field Time: 1000
Start Field Mileage: 328231	Stop Field Mileage: 328231

Consumables: See Sample receipt form

Note: 1 hour prep time

Decription / Comment: Produced Water and Sludge sampling
2 Samples - Std. TAT (10 Day)

Admin Use:

Name:	Initials:	Date:
Total Drive Time:	Total Field Time:	
Total Drive Mileage:	Total Field Mileage:	

TICKET NO. 4897

ATTACHMENT A

Water Quality Analysis

Groundwater samples collected from wells and injection zones shall be analyzed by a laboratory certified by the Environmental Laboratory Accreditation Program, using current applicable EPA-approved analytical methods for water for the following:

A. Total dissolved solids

B. [redacted] California Code of Regulations, Title 22, Section 66261.24, [redacted]2)(A)

C. Benzene, toluene, ethylbenzene, and xylenes BTEX 3-40 mL VOAs HCl

D. Total [redacted]leum hydrocarbons for crude oil 1L AMBER

E. Polynuclear aromatic hydrocarbons (including acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene) 1L AMBER

F. Radionuclides listed under California Code of Regulations, Title 22, Table 64442 3-1L POLY w/ HNO_3

G. Methane 2-40 mL VOAs

H. Major and minor cations (including sodium, potassium, magnesium, and calcium) 250 mL POLY HNO_3

I. Major and minor anions (including nitrate, chloride, sulfate, alkalinity, and bromide) 1L POLY

J. Trace elements (including lithium, strontium, boron, iron, and manganese)

Water Quality Reporting

Water quality information shall include, at a minimum:

A. Site plan with locations of well(s) sampled.

B. Description of field sampling procedures.

C. Table(s) of analytical results organized by well number (including API number).

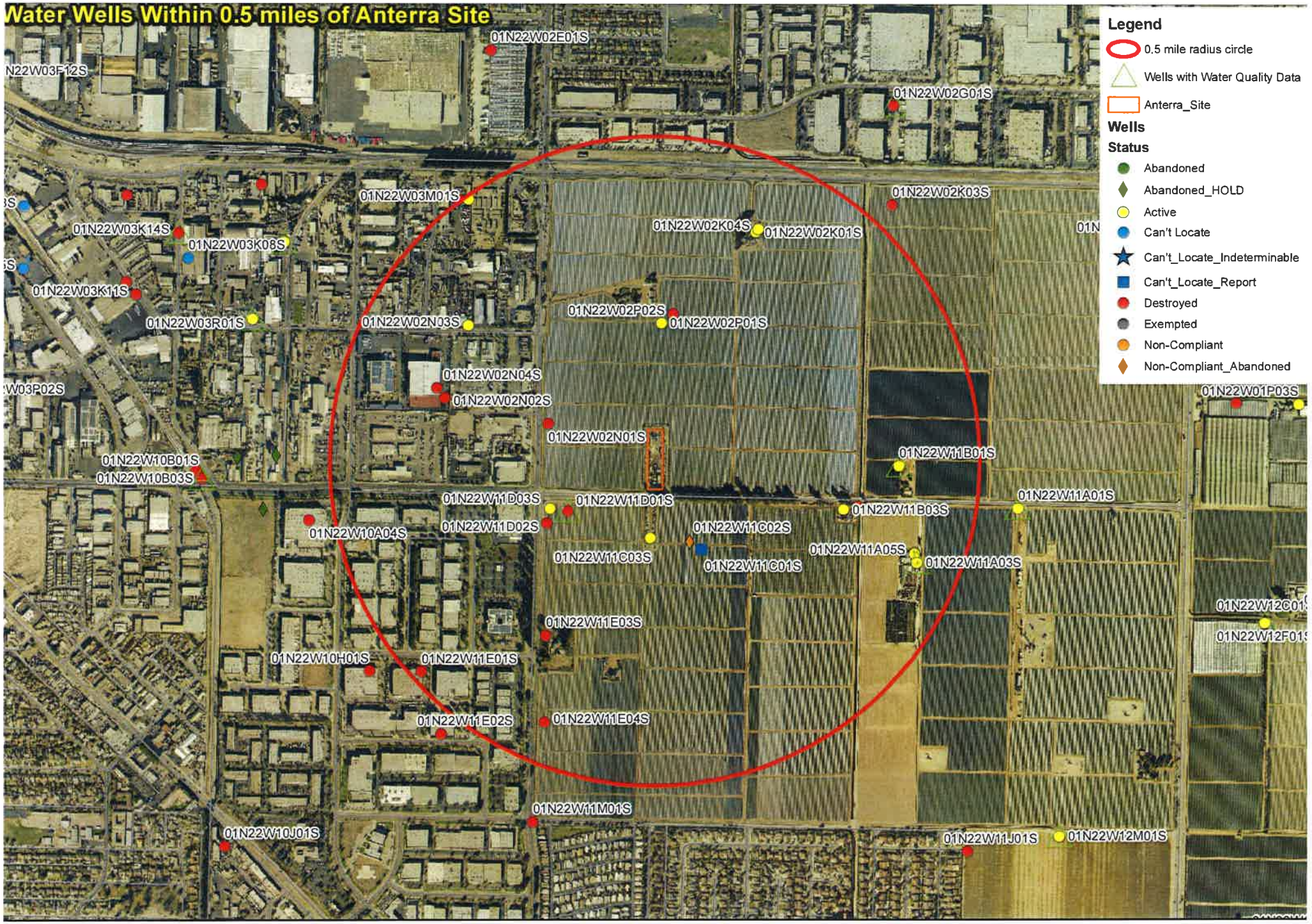
D. Copies of analytical laboratory reports, including quality assurance/quality control procedures and analytical test methods.

Attachment D

Map of Wells Located within

One Half Mile of the Anterra Facility

Provided by Ventura County Watershed Protection District



DISCLAIMER: The information contained herein was created by the Ventura County Watershed Protection District; Water & Environmental Resources Division for its own use. The VCWPD assumes no liability for damages incurred directly or indirectly as a result of errors, omissions or discrepancies.

Attachment E

Laboratory Data from Wells Located within

One Half Mile of the Anterra Facility

Provided by Ventura County Watershed Protection District

SWN	Date	TDS	Cl	NO3	eC (Lab)	Ca	Mg	Na	CO3	HCO3	SO4	pH	K	Fe	Mn	F	B
		mg/l	mg/l	mg/l	umhos/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	units	mg/l	ug/l	ug/l	mg/l	mg/l
01N22W11D01S	9/8/1983	1338	62	12	1790	198	51	136	0	311	620	7.7	8		0.2	0.7	0.8
01N22W11D01S	8/29/1984	1405	62														
01N22W11D01S	9/5/1985	1275		14													
01N22W11B01S	4/22/1989	1310	64	2	1910	185	61	137	0	285	712	7.4	7	1.8	0.28		
01N22W11A03S	8/4/1994	1420	56	0	1850	190	65	144	0	278	725	7.5	5.8	2.95	0.27	0.7	0.84
01N22W11A03S	8/21/1989	996	58	1	1530	135	46	116	0	216	478	8.1	5	0.4	0.19	0.7	

Provided to Anterra by Ventura County Watershed Protection District

Attachment F

Recent Laboratory Data

Collected by Anterra from

Well 01N22W02P01S

March 21, 2014

Anterra
918 Mission Rock Road, Suite C1
Santa Paula, Ca 93060

Lab ID : SP 1402450
Customer : 2-24591

Laboratory Report

Introduction: This report package contains total of 15 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(10 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Well	03/03/2014	03/03/2014	SP 1402450-001	GW

Sampling and Receipt Information: The sample was performed by FGL using the following methods (where applicable):

Bacteriological Sampling	- SOP:200900141
Grab sampling for liquids	- SOP:200900137
Composite sampling for liquids	- SOP:200900139
Grab sampling for solids	- SOP:200900142
Composite sampling for solids	- SOP:200900143

All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

625	03/17/2014:203908 All analysis quality controls are within established criteria, except: The following note applies to 4-Nitrophenol, Di-n-octylphthalate: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	03/10/2014:202685 All preparation quality controls are within established criteria, except:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 21, 2014 Lab ID : SP 1402450
Anterra Customer : 2-24591

Organic QC

625	The following note applies to 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Fluorobiphenyl, 2,4-Dichlorophe: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. The following note applies to 3,3-Dichlorobenzidine, Di-n-butylphthalate, Di-n-octylphthalate: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. The following note applies to bis(2-Chloroisopropyl)ether: 320 LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
8015M	03/12/2014:203504 All analysis quality controls are within established criteria.
	03/11/2014:202753 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2510B	03/04/2014:203147 All analysis quality controls are within established criteria.
	03/12/2014:203591 All analysis quality controls are within established criteria.
	03/04/2014:202470 All preparation quality controls are within established criteria.
2540CE	03/04/2014:202465 All preparation quality controls are within established criteria.
SM 2520B	03/12/2014:202817 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2014-03-21

March 21, 2014

Lab ID : SP 1402450-001
Customer ID : 2-24591

Anterra
918 Mission Rock Road, Suite C1
Santa Paula, Ca 93060

Sampled On : March 3, 2014-12:35
Sampled By : Pete Munoz
Received On : March 3, 2014-15:30
Matrix : Ground Water

Description : Well
Project : Diedrich Assc.

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Wet Chemistry P:1								
Specific Conductance	2020	1	umhos/cm		2510B	03/04/14:202470	2510B	03/04/14:203147
Salinity (EC)	ND	1	ppt		SM 2520B	03/12/14:202817	2510B	03/12/14:203591
Solids, Total Dissolved (TDS)	1570	20	mg/L		2540CE	03/04/14:202465	2540C	03/05/14:203187

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic, (VOA) VOA Preservatives: HCl pH < 2
‡Surrogate. * PQL adjusted for dilution.

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March 21, 2014

Lab ID : SP 1402450-001
Customer ID : 2-24591

Anterra
918 Mission Rock Road, Suite C1
Santa Paula, Ca 93060

Sampled On : March 3, 2014-12:35
Sampled By : Pete Munoz
Received On : March 3, 2014-15:30
Matrix : Ground Water

Description : Well
Project : Diedrich Assc.

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 625[AGT:1]								
2-Fluorobiphenyl‡	62.1	16-104	%		625	03/10/14:202685	625	03/17/14:203908
2-Fluorophenol‡	30.9	20-98	%		625	03/10/14:202685	625	03/17/14:203908
Nitrobenzene-d5‡	63.2	21-99	%		625	03/10/14:202685	625	03/17/14:203908
Phenol-d6‡	18.1	18-103	%		625	03/10/14:202685	625	03/17/14:203908
p-Terphenyl-d14‡	48.9	13-142	%		625	03/10/14:202685	625	03/17/14:203908
2,4,6-Tribromophenol‡	69.1	15-124	%		625	03/10/14:202685	625	03/17/14:203908
Acenaphthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Acenaphthylene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzidine	ND	10	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(a)anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(b)fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(k)fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(g,h,i)perylene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(a)pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Bromophenylphenylether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Butylbenzylphthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroethoxy)methane	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroethyl)ether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroisopropyl)ether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Ethylhexyl)phthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Chloro-3-methylphenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Chloronaphthalene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Chlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Chlorophenylphenylether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Chrysene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Dibenzo(a,h)anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Di-n-butylphthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,3-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,4-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
3,3'-Dichlorobenzidine	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dichlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
Diethylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dimethylphenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908

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March 21, 2014
Description : Well

Lab ID : SP 1402450-001
Customer ID : 2-24591

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 625[AGT:1]								
Dimethylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
4,6-Dinitro-2-methylphenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dinitrophenol	ND	5	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dinitrotoluene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,6-Dinitrotoluene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Di-n-octylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Fluorene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorobutadiene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorocyclopentadiene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachloroethane	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Indeno(1,2,3-c,d)pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Isophorone	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Naphthalene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Nitrobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Nitrophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Nitrophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodimethylamine	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodiphenylamine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodi-n-propylamine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pentachlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
Phenanthrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Phenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pyridine	ND	10	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2,4-Trichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4,6-Trichlorophenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2-Diphenylhydrazine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4,5-Trichlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
EPA 8015M TPH[VOA:T3]								
TPH-DRO (C10-C28)	ND	0.5	mg/L		8015M	03/11/14:202753	8015M	03/12/14:203504
TPH-Oil (C28-C40)	ND	2	mg/L		8015M	03/11/14:202753	8015M	03/12/14:203504
o-terphenyl‡	77.1	0-208	%		8015M	03/11/14:202753	8015M	03/12/14:203504

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic, (VOA) VOA Preservatives: HCl pH < 2
‡Surrogate. * PQL adjusted for dilution.

March 21, 2014 Lab ID : SP 1402450
Anterra Customer : 2-24591

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Conductivity	2510B	03/04/14:203147JMG	ICB	umhos/cm		0.07	1	
			CCV	umhos/cm	998.0	100 %	95-105	
			CCV	umhos/cm	998.0	100 %	95-105	
E. C.	2510B	03/04/14:202470jmg	Blank	umhos/cm		ND	<1	
		(SP 1402423-005)	Dup	umhos/cm		0.7%	10	
Salinity	2510B	03/12/14:203591CTL	ICB	ppt		0.06	1	
			ICV	ppt	66.65	99.0 %	95-105	
			CCV	ppt	66.65	99.1 %	95-105	
Solids, Total Dissolved	2540CE	03/04/14:202465CTL	Blank	mg/L		3.7	20	
			LCS	mg/L	998.4	102 %	90-110	
		(SP 1402202-009)	Dup	mg/L		0.5%	10.0	
Salinity	SM 2520B	03/12/14:202817CTL	Blank	ppt		ND	<1	
		(SP 1402450-001)	Dup	ppt		0.0010	1	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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March 21, 2014
Anterra

Lab ID : SP 1402450
Customer : 2-24591

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2,4-Trichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	30.5 %	15-62	
			BS	ug/L	10.00	33.6 %	0-112	
			BSD	ug/L	10.00	54.1 %	0-112	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.4 %	80-120	
1,2-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	28.7 %	13-67	
			BS	ug/L	10.00	30.9 %	0-111	
			BSD	ug/L	10.00	51.5 %	0-111	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	90.2 %	80-120	
1,2-Diphenylhydrazine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	55.9 %	20-88	
			BS	ug/L	10.00	48.4 %	3-122	
			BSD	ug/L	10.00	60.9 %	3-122	
			BSRPD	ug/L	10.00	22.9%	≤68	
1,3-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	27.4 %	12-64	
			BS	ug/L	10.00	30.0 %	0-105	
			BSD	ug/L	10.00	51.6 %	0-105	
			BSRPD	ug/L	10.00	2.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	86.5 %	80-120	
1,4-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	27.6 %	13-65	
			BS	ug/L	10.00	31.3 %	0-109	
			BSD	ug/L	10.00	52.4 %	0-109	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	91.0 %	80-120	
2,4,5-Trichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	40.3 %	20-71	
			BS	ug/L	20.00	41.0 %	0-137	
			BSD	ug/L	20.00	48.1 %	0-137	
			BSRPD	ug/L	10.00	1.4	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	109 %	70-130	
2,4,6-Tribromophenol	625	03/10/14:202685CCG	Blank	ug/L	20.00	49.1 %	15-124	
			LCS	ug/L	20.00	55.2 %	15-124	
			BS	ug/L	20.00	50.4 %	0-132	
			BSD	ug/L	20.00	57.2 %	0-132	
			BSRPD	ug/L	10.00	12.7%	≤38	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	93.0 %	80-120	
2,4,6-Trichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	37.4 %	17-70	
			BS	ug/L	20.00	40.2 %	0-171	
			BSD	ug/L	20.00	50.7 %	0-171	
			BSRPD	ug/L	10.00	23.1%	≤77	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.7 %	80-120	
2,4-Dichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	33.9 %	20-64	
			BS	ug/L	20.00	36.0 %	0-132	
			BSD	ug/L	20.00	47.0 %	0-132	
			BSRPD	ug/L	10.00	2.2	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	90.6 %	80-120	
2,4-Dimethylphenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	33.3 %	24-79	

March 21, 2014
Anterra

Lab ID : SP 1402450
Customer : 2-24591

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4-Dimethylphenol	625	03/10/14:202685CCG	BS	ug/L	20.00	35.8 %	0-110	
			BSD	ug/L	20.00	42.8 %	0-110	
			BSRPD	ug/L	10.00	1.4	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
2,4-Dinitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	23.0 %	3-39	
			BS	ug/L	20.00	28.6 %	0-100	
			BSD	ug/L	20.00	25.1 %	0-100	
			BSRPD	ug/L	10.00	0.72	≤5	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	81.8 %	80-120	
2,4-Dinitrotoluene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	42.8 %	15-87	
			BS	ug/L	10.00	41.5 %	0-139	
			BSD	ug/L	10.00	52.9 %	0-139	
			BSRPD	ug/L	10.00	1.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	103 %	80-120	
2,6-Dinitrotoluene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	41.1 %	21-78	
			BS	ug/L	10.00	41.1 %	0-131	
			BSD	ug/L	10.00	51.1 %	0-131	
			BSRPD	ug/L	10.00	1.0	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.2 %	80-120	
2-Chlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	28.7 %	19-74	
			BS	ug/L	20.00	32.9 %	0-127	
			BSD	ug/L	20.00	44.5 %	0-127	
			BSRPD	ug/L	10.00	2.3	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.9 %	80-120	
2-Fluorobiphenyl	625	03/10/14:202685CCG	Blank	ug/L	10.00	51.1 %	16-104	
			LCS	ug/L	10.00	37.4 %	16-104	
			BS	ug/L	10.00	39.0 %	0-109	
			BSD	ug/L	10.00	55.5 %	0-109	
			BSRPD	ug/L	10.00	1.6	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	84.4 %	80-120	
2-Fluorophenol	625	03/10/14:202685CCG	Blank	ug/L	20.00	41.0 %	20-98	
			LCS	ug/L	20.00	32.1 %	20-98	
			BS	ug/L	20.00	35.5 %	0-126	
			BSD	ug/L	20.00	49.5 %	0-126	
			BSRPD	ug/L	10.00	32.9%	≤79	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	82.3 %	80-120	
2-Nitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	37.4 %	20-72	
			BS	ug/L	20.00	42.0 %	0-142	
			BSD	ug/L	20.00	56.3 %	0-142	
			BSRPD	ug/L	10.00	2.9	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	95.7 %	80-120	
3,3-Dichlorobenzidine	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	47.0 %	10-45	310
			BS	ug/L	20.00	42.6 %	0-56	
			BSD	ug/L	20.00	44.0 %	0-56	
			BSRPD	ug/L	10.00	0.29	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	100 %	80-120	
4,6-Dinitro-2-methylphenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	49.2 %	4-58	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4,6-Dinitro-2-methylphenol	625	03/10/14:202685CCG	BS	ug/L	20.00	49.4 %	0-169	
			BSD	ug/L	20.00	50.8 %	0-169	
			BSRPD	ug/L	10.00	2.8%	≤270	
4,6-Dinitro-o-cresol	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.0 %	80-120	
4-Bromophenylphenylether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	49.5 %	19-68	
			BS	ug/L	10.00	46.0 %	0-123	
			BSD	ug/L	10.00	53.9 %	0-123	
			BSRPD	ug/L	10.00	0.79	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	91.2 %	80-120	
4-Nitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	13.7 %	4-75	
			BS	ug/L	20.00	29.4 %	0-206	
			BSD	ug/L	20.00	23.6 %	0-206	
			BSRPD	ug/L	10.00	1.2	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	122 %	80-120	360
Acenaphthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	37.6 %	19-76	
			BS	ug/L	10.00	39.9 %	0-125	
			BSD	ug/L	10.00	56.4 %	0-125	
			BSRPD	ug/L	10.00	1.7	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.3 %	80-120	
Acenaphthylene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	36.5 %	11-76	
			BS	ug/L	10.00	37.8 %	0-103	
			BSD	ug/L	10.00	54.0 %	0-103	
			BSRPD	ug/L	10.00	1.6	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	107 %	80-120	
Anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	53.6 %	20-77	
			BS	ug/L	10.00	49.9 %	0-131	
			BSD	ug/L	10.00	58.2 %	0-131	
			BSRPD	ug/L	10.00	15.4%	≤65	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	93.0 %	80-120	
Azobenzene	625	03/17/14:203908VRG	CCV	mg/L	10.00	96.6 %	80-120	
Benzidine	625	03/10/14:202685CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	0.0 %	0-97	
			BS	ug/L	20.00	0.0 %	0-97	
			BSD	ug/L	20.00	0.0 %	0-97	
			BSRPD	ug/L	10.00	0.0	≤10	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	111 %	70-130	
Benzo(a)anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	53.7 %	19-75	
			BS	ug/L	10.00	52.7 %	4-131	
			BSD	ug/L	10.00	56.7 %	4-131	
			BSRPD	ug/L	10.00	7.3%	≤36	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	107 %	80-120	
Benzo(a)pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	50.2 %	8-65	
			BS	ug/L	10.00	46.8 %	2-122	
			BSD	ug/L	10.00	53.0 %	2-122	
			BSRPD	ug/L	10.00	0.62	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	100 %	80-120	
Benzo(b)fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Benzo(b)fluoranthene	625	03/10/14:202685CCG	LCS	ug/L	10.00	50.9 %	12-70	
			BS	ug/L	10.00	48.3 %	7-121	
			BSD	ug/L	10.00	55.9 %	7-121	
			BSRPD	ug/L	10.00	14.6%	≤93	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	119 %	80-120	
Benzo(g,h,i)perylene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	61.9 %	9-67	
			BS	ug/L	10.00	57.0 %	0-141	
			BSD	ug/L	10.00	60.2 %	0-141	
			BSRPD	ug/L	10.00	5.5%	≤83	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.4 %	80-120	
Benzo(k)fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	59.7 %	16-62	
			BS	ug/L	10.00	53.2 %	0-161	
			BSD	ug/L	10.00	61.6 %	0-161	
			BSRPD	ug/L	10.00	14.6%	≤74	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	81.9 %	80-120	
bis(2-Chloroethoxy)methane	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	34.8 %	8-89	
			BS	ug/L	10.00	32.3 %	0-120	
			BSD	ug/L	10.00	46.0 %	0-120	
			BSRPD	ug/L	10.00	1.4	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.7 %	80-120	
bis(2-Chloroethyl)ether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	34.2 %	22-109	
			BS	ug/L	10.00	40.2 %	0-165	
			BSD	ug/L	10.00	62.9 %	0-165	
			BSRPD	ug/L	10.00	43.9%	≤74	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	89.0 %	80-120	
bis(2-Chloroisopropyl)ether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	25.4 %	27-105	320
			BS	ug/L	10.00	28.0 %	0-117	
			BSD	ug/L	10.00	42.6 %	0-117	
			BSRPD	ug/L	10.00	1.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	80.0 %	80-120	
bis(2-Ethylhexyl)phthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	71.1 %	12-78	
			BS	ug/L	10.00	67.7 %	0-133	
			BSD	ug/L	10.00	72.2 %	0-133	
			BSRPD	ug/L	10.00	0.45	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	112 %	80-120	
Butylbenzylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	37.9 %	1-53	
			BS	ug/L	10.00	37.8 %	0-97	
			BSD	ug/L	10.00	40.8 %	0-97	
			BSRPD	ug/L	10.00	0.31	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
Chloronaphthalene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.7 %	18-78	
			BS	ug/L	10.00	37.1 %	0-204	
			BSD	ug/L	10.00	55.1 %	0-204	
			BSRPD	ug/L	10.00	1.8	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	94.3 %	80-120	
Chlorophenylphenylether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

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Organic								
Chlorophenylphenylether	625	03/10/14:202685CCG	LCS	ug/L	10.00	42.7 %	20-74	
			BS	ug/L	10.00	43.4 %	0-128	
			BSD	ug/L	10.00	55.9 %	0-128	
			BSRPD	ug/L	10.00	1.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	92.1 %	80-120	
Chrysene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	60.1 %	20-71	
			BS	ug/L	10.00	58.8 %	0-141	
			BSD	ug/L	10.00	62.0 %	0-141	
			BSRPD	ug/L	10.00	5.4%	≤84	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.7 %	80-120	
Dibenzo(a,h)anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	58.5 %	13-66	
			BS	ug/L	10.00	55.4 %	0-141	
			BSD	ug/L	10.00	56.0 %	0-141	
			BSRPD	ug/L	10.00	1.2%	≤81	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	101 %	80-120	
Diethylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.1 %	11-63	
			BS	ug/L	10.00	33.9 %	0-115	
			BSD	ug/L	10.00	40.4 %	0-115	
			BSRPD	ug/L	10.00	0.66	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	106 %	80-120	
Dimethylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	21.8 %	4-37	
			BS	ug/L	10.00	26.3 %	0-102	
			BSD	ug/L	10.00	29.7 %	0-102	
			BSRPD	ug/L	10.00	0.33	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Di-n-butylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	58.7 %	9-54	310
			BS	ug/L	10.00	48.7 %	0-102	
			BSD	ug/L	10.00	52.6 %	0-102	
			BSRPD	ug/L	10.00	0.39	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	119 %	80-120	
Di-n-octylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	72.8 %	0-50	310
			BS	ug/L	10.00	67.8 %	12-122	
			BSD	ug/L	10.00	79.8 %	12-122	
			BSRPD	ug/L	10.00	16.4%	≤90	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	134 %	80-120	360
Fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	57.6 %	20-72	
			BS	ug/L	10.00	51.0 %	0-140	
			BSD	ug/L	10.00	56.1 %	0-140	
			BSRPD	ug/L	10.00	9.6%	≤55	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	100 %	80-120	
Fluorene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	42.9 %	24-89	
			BS	ug/L	10.00	45.0 %	0-136	
			BSD	ug/L	10.00	58.3 %	0-136	
			BSRPD	ug/L	10.00	25.7%	≤65	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	101 %	80-120	
Hexachlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Hexachlorobenzene	625	03/10/14:202685CCG	LCS	ug/L	10.00	49.9 %	19-65	
			BS	ug/L	10.00	45.4 %	0-126	
			BSD	ug/L	10.00	57.8 %	0-126	
			BSRPD	ug/L	10.00	24.0%	≤73	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	92.3 %	80-120	
Hexachlorobutadiene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.0 %	12-60	
			BS	ug/L	10.00	35.5 %	0-110	
			BSD	ug/L	10.00	58.6 %	0-110	
			BSRPD	ug/L	10.00	2.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	96.0 %	80-120	
Hexachlorocyclopentadiene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	9.6 %	8-28	
			BS	ug/L	10.00	12.7 %	0-284	
			BSD	ug/L	10.00	24.2 %	0-284	
			BSRPD	ug/L	10.00	1.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	104 %	80-120	
Hexachloroethane	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	29.2 %	13-74	
			BS	ug/L	10.00	31.2 %	0-108	
			BSD	ug/L	10.00	56.0 %	0-108	
			BSRPD	ug/L	10.00	2.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.6 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.6 %	10-66	
			BS	ug/L	10.00	55.0 %	0-141	
			BSD	ug/L	10.00	57.5 %	0-141	
			BSRPD	ug/L	10.00	4.6%	≤84	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	103 %	80-120	
Isophorone	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	40.1 %	20-76	
			BS	ug/L	10.00	38.9 %	0-116	
			BSD	ug/L	10.00	51.6 %	0-116	
			BSRPD	ug/L	10.00	1.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.6 %	80-120	
Naphthalene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	36.2 %	17-76	
			BS	ug/L	10.00	38.7 %	0-121	
			BSD	ug/L	10.00	60.6 %	0-121	
			BSRPD	ug/L	10.00	2.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Nitrobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	35.6 %	32-127	
			BS	ug/L	10.00	38.4 %	0-176	
			BSD	ug/L	10.00	55.1 %	0-176	
			BSRPD	ug/L	10.00	1.7	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	94.2 %	80-120	
Nitrobenzene-d5	625	03/10/14:202685CCG	Blank	ug/L	10.00	42.7 %	21-99	
			LCS	ug/L	10.00	33.4 %	21-99	
			BS	ug/L	10.00	35.1 %	0-115	
			BSD	ug/L	10.00	54.4 %	0-115	
			BSRPD	ug/L	10.00	1.9	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.2 %	80-120	
N-Nitrosodimethylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	

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Organic								
N-Nitrosodimethylamine	625	03/10/14:202685CCG	LCS	ug/L	10.00	25.9 %	22-85	
			BS	ug/L	10.00	28.4 %	0-114	
			BSD	ug/L	10.00	45.3 %	0-114	
			BSRPD	ug/L	10.00	1.7	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.3 %	80-120	
N-Nitrosodi-N-propylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	31.3 %	28-98	
			BS	ug/L	10.00	35.2 %	0-140	
			BSD	ug/L	10.00	50.5 %	0-140	
			BSRPD	ug/L	10.00	1.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	95.9 %	80-120	
N-Nitrosodiphenylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	52.0 %	24-100	
			BS	ug/L	10.00	49.3 %	4-132	
			BSD	ug/L	10.00	59.5 %	4-132	
			BSRPD	ug/L	10.00	18.8%	≤76	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	98.1 %	80-120	
p-Chloro-m-cresol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	43.0 %	19-87	
			BS	ug/L	20.00	43.7 %	0-144	
			BSD	ug/L	20.00	56.2 %	0-144	
			BSRPD	ug/L	10.00	2.5	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Pentachlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	39.8 %	0-66	
			BS	ug/L	20.00	37.6 %	0-128	
			BSD	ug/L	20.00	38.7 %	0-128	
			BSRPD	ug/L	10.00	0.22	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	80.4 %	80-120	
Phenanthrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	52.8 %	20-70	
			BS	ug/L	10.00	47.8 %	0-131	
			BSD	ug/L	10.00	56.1 %	0-131	
			BSRPD	ug/L	10.00	15.9%	≤39	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	109 %	80-120	
Phenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	20.4 %	20-80	
			BS	ug/L	20.00	23.1 %	0-120	
			BSD	ug/L	20.00	35.8 %	0-120	
			BSRPD	ug/L	10.00	43.1%	≤112	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.7 %	80-120	
Phenol-d6	625	03/10/14:202685CCG	Blank	ug/L	20.00	22.1 %	18-103	
			LCS	ug/L	20.00	22.4 %	18-103	
			BS	ug/L	20.00	26.5 %	0-125	
			BSD	ug/L	20.00	37.6 %	0-125	
			BSRPD	ug/L	10.00	34.7%	≤99	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	85.1 %	80-120	
p-Terphenyl-d14	625	03/10/14:202685CCG	Blank	ug/L	10.00	60.3 %	13-142	
			LCS	ug/L	10.00	57.7 %	13-142	
			BS	ug/L	10.00	54.3 %	2-135	
			BSD	ug/L	10.00	53.3 %	2-135	
			BSRPD	ug/L	10.00	1.8%	≤38	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.2 %	80-120	
Pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

March 21, 2014
Anterra

Lab ID : SP 1402450
Customer : 2-24591

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Pyrene	625	03/10/14:202685CCG	LCS	ug/L	10.00	61.0 %	15-78	
			BS	ug/L	10.00	59.8 %	1-133	
			BSD	ug/L	10.00	63.6 %	1-133	
			BSRPD	ug/L	10.00	6.1%	≤40	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
Pyridine	625	03/10/14:202685CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	10.00	3.0 %	0-34	
			BS	ug/L	10.00	1.5 %	0-92	
			BSD	ug/L	10.00	10.6 %	0-92	
			BSRPD	ug/L	10.00	0.92	≤10	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.3 %	80-120	
DIESEL#2	8015M	03/12/14:203504VRG	CCV	mg/L	1000	101 %	85-115	
			CCV	mg/L	1000	107 %	85-115	
			CCV	mg/L	1000	105 %	85-115	
			CCV	mg/L	1000	103 %	85-115	
Heavy Oil	8015M	03/11/14:202753VRG	Blank	mg/L		ND	<2	
	8015M	03/12/14:203504VRG	CCV	mg/L	1000	97.2 %	85-115	
			CCV	mg/L	1000	93.3 %	85-115	
			CCV	mg/L	1000	95.7 %	85-115	
			CCV	mg/L	1000	100 %	85-115	
o-terphenyl	8015M	03/11/14:202753VRG	Blank	mg/L	2.632	69.0 %	0-208	
			LCS	mg/L	2.632	77.0 %	0-208	
			MS	mg/L	2.632	77.8 %	0-208	
		(SP 1402367-001)	MSD	mg/L	2.632	67.1 %	0-208	
			MSRPD	mg/L	2.632	14.8%	≤N/A	
	8015M	03/12/14:203504VRG	CCV	mg/L	50.00	85.9 %	70-130	
			CCV	mg/L	50.00	128 %	70-130	
			CCV	mg/L	50.00	88.0 %	70-130	
			CCV	mg/L	50.00	125 %	70-130	
			CCV	mg/L	50.00	87.4 %	70-130	
			CCV	mg/L	50.00	124 %	70-130	
			CCV	mg/L	50.00	85.6 %	70-130	
			CCV	mg/L	50.00	128 %	70-130	
TPH-Diesel	8015M	03/11/14:202753VRG	Blank	mg/L		ND	<0.5	
			LCS	mg/L	7.895	91.2 %	64-106	
			MS	mg/L	7.895	113 %	21-145	
		(SP 1402367-001)	MSD	mg/L	7.895	113 %	21-145	
			MSRPD	mg/L	2.632	0.5%	≤72	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

March 21, 2014
Anterra

Lab ID : SP 1402450
Customer : 2-24591

Quality Control - Organic

Definition	
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
310	: LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
320	: LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

FGL ENVIRONMENTAL AGRICULTURAL Analytical Chemists

www.fglinc.com

CHAIN OF CUSTODY
AND ANALYSIS REQUEST DOCUMENT

Lab Number: 1402450

TEST DESCRIPTION AND ANALYSES REQUESTED

Client: Anterra
Customer Number: 2024591
Address: 918 Mission Rock Road, Suite C1
Santa Paula, Ca 93060

Phone: (805)981-4053 Fax:
Email Address:
Contact Person: Sally Coleman
Project Name: Diedrich Assc.
Purchase Order Number:
Quote Number:
Sampler(s): Pete Muñoz

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: _____ Time: _____

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab (G)	Number of Containers	Type of Containers: Glass (G) Plastic (P) VOA (V) Metal Tube (MT)	Potable (P) Non-Potable (NP) Ag Water (AgW)	Surface Water (SW) Monitoring Well (MW) Ground Water (GW) Travel Blank (TB) Waste Water (WW) Drinking Water (DW)	Soil (S) Sludge (SLG) Solid (SLD) Oil (O)	Bact: System (Sys) Source (SRC) Waste (W)	Bact: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL) Special (SPL)	Leaf Tissue (LT) Petiole Tissue (PET) Produce (PRD)	Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCl (4) H2SO4, (5) HNO3, (6) Na2S2O3, (7) Other_____	TPH - DRO / ORO (No Gasoline)	EPA 625	EC, TDS, Salinity	S/F
1.	Well	3/03/14	12:35	G	6	P/GV	AgW	GW	-	SRC	-	-	3	X	X	X	X

Remarks

15

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Pete Muñoz	3/03/14	1530						
Received By	**Date:**	**Time:**	**Received By**	**Date**	**Time**	**Received By:**	**Date:**	**Time**
Ully	3/3/14	1530						

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CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition? ROI / 13 / _____ / _____ / _____ / _____ / _____
   Temps:
4. Surface water (SWTR) bact samples: A sample that has a temperature upon reciept of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? **Yes** No N/A
6. Verify sample date, time, sampler **Yes** No N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** No
8. Were sample custody seals intact? **Yes** No N/A

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? **Yes** No
3. Were all bottles requiring sample preservation properly preserved? Yes No **N/A** FGL
4. VOAs checked for Headspace? **Yes** No N/A
5. Were all analyses within holding times at time of reciept? **Yes** No
6. Have rush or project due dates been checked and accepted? Yes No **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Inez Covarrubias** Digitally signed by Inez Covarrubias Title: Sample Receiving Date: 03/04/2014-11:24:41

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2024591)
Anterra
SP 1402450
IV-03/04/2014-11:24:41

February 4, 2014

Eclipse Berry Farms, LLC

Lab ID : SP 1400907-010
Customer ID : 2-15741
Description Ranch 3 United Water

Micro Irrigation System Plugging Hazard

Test Description	Result		Graphical Results Presentation		
			Slight	Moderate	Severe
Chemical					
Manganese	0.1	mg/L			
Iron	0.56	mg/L			
TDS iby Summation	960	mg/L			
No Amendments					
pH	6.2	units			
Alkalinity (As CaCO3)	50	mg/L			
Total Hardness	413	mg/L			
With Amendments					
Alkalinity (As CaCO3)	10	mg/L			
Total Hardness	10	mg/L			
pH	5.4 - 6.7	units			

Good Problem
Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations

Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F.
Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications.
Please contact us if you have any questions.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:KDM

ENVIRONMENTAL EGL AGRICULTURAL
Analytical Chemists

February 4, 2014
Eclipse Berry Farms, LLC
P.O. Box 2209
Camarillo, CA 93011

Lab ID : SP 1400907-010
Customer ID : 2-15741

Sampled On : January 24, 2014
Sampled By : Harvey Contreras
Received On : January 27, 2014
Matrix : Non Potable Water

Description : Ranch 3 United Water
Project : Eclipse Berry Farms, LLC

Strawberry Irrigation Suitability Analysis

Test Description	Result				Graphical Results Presentation				
Cations	mg/L	Meq/L	% Meq	Lbs/AF	Good	Possible Problem	Moderate Problem	Increasing Problem	Severe Problem
Calcium	111	5.5	40	300	**				
Magnesium	33	2.7	20	90	**				
Potassium	7	0.18	1	19	**				
Sodium	125	5.4	39	340					
Anions									
Carbonate	< 10	0	0	0					
Bicarbonate	60	0.98	7	160	**				
Sulfate	570	12	83	1600	**				
Chloride	45	1.3	9	120					
Nitrate	9.2	0.15	1	25					
Fluoride	0.2	0.011	0	0.5					
Minor Elements									
Boron	0.50			1.4					
Copper	< 0.01			0.00					
Iron	0.56			1.5					
Manganese	0.10			0.27					
Zinc	< 0.02			0.00					
TDS by Summation	960			2600					
Other									
pH	6.2			units					
E. C.	1.30			dS/m					
SAR	2.7								
Crop Suitability									
No Amendments	Good								
With Amendments	Good								
Amendments									
Gypsum Requirement	0.0			Tons/AF					
Sulfuric Acid (98%)	3.5			oz/1000Gal	Or 8.5 oz/1000Gal of urea Sulfuric Acid (15/49)				
Leaching Requirement	19			%					

Good Problem
Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations

** Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter

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CA ELAP Certification No. 2810

February 4, 2014

Eclipse Berry Farms, LLC

Lab ID : SP 1400907-009
Customer ID : 2-15741
Description : Ranch 3 Well Water

Micro Irrigation System Plugging Hazard

Test Description	Result		Graphical Results Presentation		
			Slight	Moderate	Severe
Chemical					
Manganese	0.13	mg/L			
Iron	0.52	mg/L			
TDS iby Summation	1660	mg/L			
No Amendments					
pH	6.5	units			
Alkalinity (As CaCO3)	110	mg/L			
Total Hardness	851	mg/L			
With Amendments					
Alkalinity (As CaCO3)	22	mg/L			
Total Hardness	22	mg/L			
pH	5.4 - 6.7	units			

Good Problem
Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

Water Amendments Application Notes:

The Amendments recommended on the previous pages include:

Sulfuric Acid:

These products should be applied as needed to prevent emitter plugging in micro irrigation systems and/or as a soil amendment to adjust soil pH to improve nutrient availability and to facilitate leaching of salts. Please exercise caution when using this material as excesses may be harmful to the system and/or the plants being irrigated. The reported Acid requirement is intended to remove approximately 80 % of the alkalinity. The final pH should range from 5.4 to 6.7. We recommend a field pH determination to confirm that the pH you designate is being achieved. This application is based upon the use of a 98% Sulfuric Acid product. The application of Urea Sulfuric Acid is based upon the use of a product that contains 15% Urea (1.89 lbs Nitrogen), 49% Sulfuric Acid and has a specific gravity of 1.52 at 68 °F.
Guidelines for the above interpretations are sourced from USDA & U.C. Cooperative Extension Service publications.
Please contact us if you have any questions.

FRUIT GROWERS LABORATORY, INC.

Scott Bucy

Scott Bucy, Director of Ag. Services

SB1:KDM

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

February 4, 2014

Eclipse Berry Farms, LLC
P.O. Box 2209
Camarillo, CA 93011

Lab ID : SP 1400907-009
Customer ID : 2-15741

Sampled On : January 24, 2014
Sampled By : Harvey Contreras
Received On : January 27, 2014
Matrix : Non Potable Water

Description : Ranch 3 Well Water
Project : Eclipse Berry Farms, LLC

Strawberry Irrigation Suitability Analysis

Test Description	Result				Graphical Results Presentation				
Cations	mg/L	Meq/L	% Meq	Lbs/AF	Good	Possible Problem	Moderate Problem	Increasing Problem	Severe Problem
Calcium	219	11	44	600	**				
Magnesium	74	6.1	24	200	**				
Potassium	8	0.2	1	22	**				
Sodium	181	7.9	31	490					
Anions									
Carbonate	< 10	0	0	0					
Bicarbonate	130	2.1	9	350	**				
Sulfate	940	20	81	2600	**				
Chloride	70	2	8	190					
Nitrate	37.0	0.6	2	100					
Fluoride	0.4	0.021	0	1					
Minor Elements									
Boron	1.0			2.7					
Copper	< 0.01			0.00					
Iron	0.52			1.4					
Manganese	0.13			0.35					
Zinc	< 0.02			0.00					
TDS by Summation	1660			4500					
Other									
pH	6.5			units					
E. C.	2.03			dS/m					
SAR	2.7								
Crop Suitability									
No Amendments	Fairly		Poor						
With Amendments	Fairly		Poor						
Amendments									
Gypsum Requirement	0.0			Tons/AF					
Sulfuric Acid (98%)	7.7			oz/1000Gal	Or 19 oz/1000Gal of urea Sulfuric Acid (15/49).				
Leaching Requirement	34			%					

Good Problem

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations

** Used in various calculations; mg/L = Milligrams Per Liter (ppm) meq/L = Milliequivalents Per Liter

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Oilfield Environmental and Compliance, INC.

Melissa McKeen
Anterra
918 Mission Rock Road, Suite C-1
Santa Paula, CA 93060

02 September 2015

RE: Anterra Work Order: 1503693

Dear Client:

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on 28-Aug-15 10:17 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

@ukita

Ankita Kashyap

Project Manager

Oilfield Environmental and Compliance, INC.

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Plant Water Well	1503693-01	Ground Water	28-Aug-15 07:30	28-Aug-15 10:17

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Plant Water Well

1503693-01 (Ground Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance									
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.50	ug/L	1	B5H0734	28-Aug-15	28-Aug-15	EPA 8260B	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Acetone	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*70-130*		"	"	"	"	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5H0734 - EPA 5030B VOCGCMS										
Blank (B5H0734-BLK1)				Prepared & Analyzed: 28-Aug-15						
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	"							
Bromochloromethane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Bromoform	ND	0.50	"							
Bromomethane	ND	0.50	"							
n-Butylbenzene	ND	0.50	"							
sec-Butylbenzene	ND	0.50	"							
tert-Butylbenzene	ND	0.50	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	0.50	"							
2-Chloroethylvinyl ether	ND	1.0	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
Dibromochloromethane	ND	0.50	"							
Dibromomethane	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
1,1-Dichloropropene	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Hexachlorobutadiene	ND	0.50	"							
Isopropylbenzene	ND	0.50	"							
4-Isopropyl Toluene	ND	0.50	"							

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5H0734 - EPA 5030B VOCGCMS										
Blank (B5H0734-BLK1)				Prepared & Analyzed: 28-Aug-15						
Methylene chloride	ND	1.0	ug/L							
Naphthalene	ND	0.50	"							
n-Propylbenzene	ND	0.50	"							
Styrene	ND	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene (PCE)	ND	0.50	"							
Toluene	ND	0.50	"							
1,2,3-Trichlorobenzene	ND	0.50	"							
1,2,4-Trichlorobenzene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene (TCE)	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
Vinyl chloride	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
4-Methyl-2-pentanone (MIBK)	ND	10	"							
2-Propanol	ND	10	"							
1,1,2-Trichloro-1,2,2-Trifluoromethane	ND	0.50	"							
Iodomethane	ND	5.0	"							
Acetone	ND	5.0	"							
Carbon disulfide	ND	2.0	"							
Vinyl acetate	ND	2.0	"							
2-Butanone (MEK)	ND	10	"							
2-Hexanone	ND	10	"							
t-Amyl Methyl Ether	ND	0.50	"							
t-Butyl alcohol	ND	10	"							
Diisopropyl Ether	ND	0.50	"							
Ethanol	ND	500	"							
Ethyl t-Butyl Ether	ND	0.50	"							
Methyl-t-butyl ether	ND	0.50	"							
Surrogate: Dibromofluoromethane	*13.0*		"	*12.5*		*104*	*70-130*			
Surrogate: Toluene-d8	*12.7*		"	*12.5*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*12.5*		*95.7*	*70-130*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5H0734 - EPA 5030B VOCGCMS										
LCS (B5H0734-BS1)				Prepared & Analyzed: 28-Aug-15						
Benzene	27.5	0.50	ug/L	25.0		110	70-130			
Chlorobenzene	27.5	0.50	"	25.0		110	70-130			
1,1-Dichloroethene	29.2	0.50	"	25.0		117	70-130			
Toluene	27.3	0.50	"	25.0		109	70-130			
Trichloroethene (TCE)	27.4	0.50	"	25.0		110	70-130			
Surrogate: Dibromofluoromethane	*12.3*		"	*12.5*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*12.3*		"	*12.5*		*98.6*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*12.5*		*95.9*	*70-130*			
LCS Dup (B5H0734-BSD1)				Prepared & Analyzed: 28-Aug-15						
Benzene	27.7	0.50	ug/L	25.0		111	70-130	0.652	20	
Chlorobenzene	27.8	0.50	"	25.0		111	70-130	0.940	20	
1,1-Dichloroethene	29.2	0.50	"	25.0		117	70-130	0.0342	20	
Toluene	27.4	0.50	"	25.0		109	70-130	0.110	20	
Trichloroethene (TCE)	27.4	0.50	"	25.0		110	70-130	0.255	20	
Surrogate: Dibromofluoromethane	*12.8*		"	*12.5*		*102*	*70-130*			
Surrogate: Toluene-d8	*12.3*		"	*12.5*		*98.2*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*12.1*		"	*12.5*		*96.6*	*70-130*			
Duplicate (B5H0734-DUP1)	**Source: 1503644-01**			Prepared & Analyzed: 28-Aug-15						
Benzene	ND	0.50	ug/L		ND				20	
Bromobenzene	ND	0.50	"		ND				20	
Bromochloromethane	ND	0.50	"		ND				20	
Bromodichloromethane	ND	0.50	"		ND				20	
Bromoform	ND	0.50	"		ND				20	
Bromomethane	ND	0.50	"		ND				20	
n-Butylbenzene	ND	0.50	"		ND				20	
sec-Butylbenzene	ND	0.50	"		ND				20	
tert-Butylbenzene	ND	0.50	"		ND				20	
Carbon tetrachloride	ND	0.50	"		ND				20	
Chlorobenzene	ND	0.50	"		ND				20	
Chloroethane	ND	0.50	"		ND				20	
2-Chloroethylvinyl ether	ND	1.0	"		ND				20	
Chloroform	ND	0.50	"		ND				20	
Chloromethane	ND	0.50	"		ND				20	
2-Chlorotoluene	ND	0.50	"		ND				20	
4-Chlorotoluene	ND	0.50	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	"		ND				20	
Dibromochloromethane	ND	0.50	"		ND				20	
Dibromomethane	ND	0.50	"		ND				20	
1,2-Dichlorobenzene	ND	0.50	"		ND				20	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5H0734 - EPA 5030B VOCGCMS										
Duplicate (B5H0734-DUP1)	**Source: 1503644-01**			Prepared & Analyzed: 28-Aug-15						
1,3-Dichlorobenzene	ND	0.50	ug/L		ND				20	
1,4-Dichlorobenzene	ND	0.50	"		ND				20	
Dichlorodifluoromethane	ND	0.50	"		ND				20	
1,1-Dichloroethane	ND	0.50	"		ND				20	
1,2-Dichloroethane	ND	0.50	"		ND				20	
1,1-Dichloroethene	ND	0.50	"		ND				20	
cis-1,2-Dichloroethene	ND	0.50	"		ND				20	
trans-1,2-Dichloroethene	ND	0.50	"		ND				20	
1,2-Dichloropropane	ND	0.50	"		ND				20	
1,3-Dichloropropane	ND	0.50	"		ND				20	
2,2-Dichloropropane	ND	0.50	"		ND				20	
1,1-Dichloropropene	ND	0.50	"		ND				20	
cis-1,3-Dichloropropene	ND	0.50	"		ND				20	
trans-1,3-Dichloropropene	ND	0.50	"		ND				20	
Ethylbenzene	ND	0.50	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.50	"		ND				20	
Hexachlorobutadiene	ND	0.50	"		ND				20	
Isopropylbenzene	ND	0.50	"		ND				20	
4-Isopropyl Toluene	ND	0.50	"		ND				20	
Methylene chloride	ND	1.0	"		ND				20	
Naphthalene	ND	0.50	"		ND				20	
n-Propylbenzene	ND	0.50	"		ND				20	
Styrene	ND	0.50	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.50	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.50	"		ND				20	
Tetrachloroethene (PCE)	ND	0.50	"		ND				20	
Toluene	ND	0.50	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.50	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.50	"		ND				20	
1,1,1-Trichloroethane	ND	0.50	"		ND				20	
1,1,2-Trichloroethane	ND	0.50	"		ND				20	
Trichloroethene (TCE)	ND	0.50	"		ND				20	
Trichlorofluoromethane	ND	0.50	"		ND				20	
1,2,3-Trichloropropane	ND	0.50	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.50	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.50	"		ND				20	
Vinyl chloride	ND	0.50	"		ND				20	
Xylenes (total)	ND	0.50	"		ND				20	
4-Methyl-2-pentanone (MIBK)	ND	10	"		ND				200	
2-Propanol	ND	10	"		ND				200	

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5H0734 - EPA 5030B VOCGCMS										
Duplicate (B5H0734-DUP1)	**Source: 1503644-01**		Prepared & Analyzed: 28-Aug-15							
1,1,2-Trichloro-1,2,2-Trifluoromethane	ND	0.50	ug/L		ND				200	
Iodomethane	ND	5.0	"		ND				200	
Acetone	ND	5.0	"		ND				20	
Carbon disulfide	ND	2.0	"		ND				20	
Vinyl acetate	ND	2.0	"		ND				20	
2-Butanone (MEK)	ND	10	"		ND				20	
2-Hexanone	ND	10	"		ND				20	
t-Amyl Methyl Ether	ND	0.50	"		ND				20	
t-Butyl alcohol	ND	10	"		ND				20	
Diisopropyl Ether	ND	0.50	"		ND				20	
Ethanol	ND	500	"		ND				20	
Ethyl t-Butyl Ether	ND	0.50	"		ND				20	
Methyl-t-butyl ether	ND	0.50	"		ND				20	
Surrogate: Dibromofluoromethane	*13.2*		"	*12.5*		*105*	*70-130*			
Surrogate: Toluene-d8	*12.7*		"	*12.5*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*11.9*		"	*12.5*		*95.0*	*70-130*			
Matrix Spike (B5H0734-MS1)	**Source: 1503644-02**		Prepared & Analyzed: 28-Aug-15							
Benzene	27.4	0.50	ug/L	25.0	ND	110	70-130			
Chlorobenzene	27.0	0.50	"	25.0	ND	108	70-130			
1,1-Dichloroethene	28.3	0.50	"	25.0	ND	113	70-130			
Toluene	26.7	0.50	"	25.0	ND	107	70-130			
Trichloroethene (TCE)	26.7	0.50	"	25.0	ND	107	70-130			
Surrogate: Dibromofluoromethane	*12.7*		"	*12.5*		*101*	*70-130*			
Surrogate: Toluene-d8	*12.4*		"	*12.5*		*99.1*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*12.5*		*95.7*	*70-130*			

Anterra	Project: Anterra	
918 Mission Rock Road, Suite C-1	Project Number: Plant Water Well	**Reported:**
Santa Paula CA, 93060	Project Manager: Melissa McKeen	02-Sep-15 15:39

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Oilfield Environmental and Compliance

307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com

101 Adkisson Way, Taft, CA 93268
Phone: (661) 762-9143

CHAIN OF CUSTODY

Company: Anterra
Address: 1933 East Wooley Road
City/State/ZIP: Oxnard, CA, 93030
Phone: 805-486-2972 Fax: 805-486-0547 E-mail: mmckeen@anterraservices.com
Report To: Melissa McKeen Sampler: CJ Reynolds
Report Format(s): FAX- ☐ PDF (std)- ☐ Colt/LUFT EDF- ☐ EDD- ☐
Turnaround Time: 10 Days- ☐ 5 Days (std)- ☑ 3 Days- ☐ 2 Days- ☐ 1 Day- ☐ ASAP- ☐
NOTE: Samples received after 4:00PM will be considered as received the next business day

Project Name/#: Plant Water Well
Site: Anterra Oxnard

OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	Analysis Requested: Benzene	MeCl2	Acetone	Special Instructions: Field Results
1508288-1A	08.28.15@0730	GW	3	Plant Water Well	X	X	X	

Relinquished By: CJ Reynolds Date: 08.28.15 Time: 1017
Received By: [signature] Date: 8.28.15 Time: 1017
Relinquished By: Date: Time:
Received By: Date: Time:
Relinquished By: Date: Time:
Received By: Date: Time:

Matrix Key**:
A = air / vapor
AQ = aqueous
DW = drinking water
F = filter
GW = ground water
P = product / oil
PW = product water
S = solid / sediment
SW = surface water
WP = wipe
WW = waste water

Comments/PO#:
Ticket # 44522

Rev. 09/23/2014

OEC SAMPLE RECEIPT

Rev. 01/15/10

CLIENT: Antea OEC ID #: 1503693 Temp: 10 °C

Acceptable Range: 0°C to 6°C

COC RECEIVED
DATE/TIME: 8-28-15 @ 1017

RECEIPT LOGIN
DATE/TIME: 8-27-15 @ 1024

REFRIGERATOR(s): 3

SAMPLE TRANSPORT, RECEIPT, CONDITION & PRESERVATION:		Yes	No	N/A	(*) PROBLEM CHAIN FORM NEEDED
☒ OEC Courier/Sampler	COC document(s) received with samples	☒	☐*	☐	Custody Seals (circle): Present / Absent
☐ Delivery(Other than OEC Courier)	Correct containers for analysis requested	☒	☐*	☐	Samples / Coolers
☒ Samples Received on Ice	Container(s) intact and in good condition	☒	☐*	☐	Intact / Broken*
☐ Samples Received Outside Temp. Range*	Container label(s) consistent with COC	☒	☐*	☐	Method of Shipment & Tracking #(if applicable):
☒ Samples Direct from field (Outside Temp)	OEC preservative added (**note std ID)	☐**	☒	☐	
☐ After-Hours Outside Drop-off [Brought Inside]	Proper preservation on sample label(s)	☒	☐	☐	(**) OEC Preservative ID:
(Initials/Date/Time):	VOA containers free of headspace	☒	☐*	☐	Dissolved Metals Filtration: (Date/Init/Preserve ID)
	Tedlar Bags free of condensation	☐	☐*	☒	

CONTAINERS, COC CHANGES AND/OR CORRECTIONS **CHANGES AUTHORIZED BY:**

OEC ID	Client ID ***If blank, refer to CoC	Container Description	Preservative	ResCl /pH	Matrix	Date/Time Sampled ***	Comments / Remarks / Condition Notes, Etc.
IAC		3-40 mL VOA	HCl	—	W		

RECEIPT LOGIN BY: _____ RECEIPT REVIEWED BY: _____

Oilfield Environmental & Compliance, Inc.
307 Roemer Way, Suite 300, Santa Maria, Ca 93454
101 Adkisson Way, Taft, Ca 93268
Phone: 805-922-4772 / 661-762-9143
AR@oecusa.com

Date: 08-28-2015

Employee Name: Clarence Reynolds

Client Name: Anterra

Project / Site Name: Plant Water Well / Oxnard

Roundtrip Drive Time: 4	Roundtrip Drive Mileage: 214
Start Field Time: 0700	Stop Field Time: 0800
Start Field Mileage: 122637	Stop Field Mileage: 122637

Consumables: 3 X 40mL HCl VOA

Decription / Comment: Collected 1 GW Sample in triplicate for Benzene, $MeCl_2$, Acetone on Std. TAT

Admin Use:

Name: Initials: Date:

Total Drive Time: Total Field Time:

Total Drive Mileage: Total Field Mileage:

TICKET NO. 4452

Oilfield Environmental & Compliance, Inc.
307 Roemer Way, Suite 300, Santa Maria, Ca 93454
101 Adkisson Way, Taft, Ca 93268
Phone: 805-922-4772 / 661-762-9143
AR@oecusa.com

Date:	08-28-2015
Employee Name:	Clarence Reynolds
Client Name:	Anterra
Project / Site Name:	Plant Water Well / Oxnard
Roundtrip Drive Time:	4
Roundtrip Drive Mileage:	214
Start Field Time:	0700
Stop Field Time:	0800
Start Field Mileage:	122637
Stop Field Mileage:	122637
Consumables:	3 X 40mL HCl VOA
Decription / Comment:	Collected 1 GW Sample in triplicate for Benzene, $MeCl_2$, Acetone on Std. TAT

Admin Use:

Name:	ANKITA KASHYAP	Initials:	AK	Date:	09/02/15
Total Drive Time:	4.0 hrs	Total Field Time:	1.0 hr		
Total Drive Mileage:	214	Total Field Mileage:	Ø		

TICKET NO. 4452

Oilfield Environmental and Compliance

307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com

101 Adkisson Way, Taft, CA 93268
Phone: (661) 762-9143

CHAIN OF CUSTODY

Company: Anterra
Address: 1933 East Wooley Road
City/State/ZIP: Oxnard, CA, 93030
Phone: 805-486-2972 Fax: 805-486-0547 E-mail: mmckeen@anterraservices.com
Report To: Melissa McKeen Sampler: CJ Reynolds
Report Format(s): FAX- ☐ PDF (std)- ☐ Colt/LUFT EDF- ☐ EDD- ☐
Turnaround Time: 10 Days- ☐ 5 Days (std)- ☑ 3 Days- ☐ 2 Days- ☐ 1 Day- ☐ ASAP- ☐
NOTE: Samples received after 4:00PM will be considered as received the next business day

Project Name/#: Plant Water Well
Site: Anterra Oxnard

OEC Sample ID	Date/Time Sampled	Matrix** (see key)	# of Cont.	Client Sample ID	Analysis Requested: Benzene	MeCl2	Acetone	Special Instructions: Field Results
1508288-1AC	08.28.15@0730	GW	3	Plant Water Well	X	X	X	

Relinquished By: CJ Reynolds Date: 08.28.15 Time: 1017
Received By: [signature] Date: 8.28.15 Time: 1017
Relinquished By: Date: Time:
Received By: Date: Time:
Relinquished By: Date: Time:
Received By: Date: Time:

Matrix Key**:
A = air / vapor
AQ = aqueous
DW = drinking water
F = filter
GW = ground water
P = product / oil
PW = product water
S = solid / sediment
SW = surface water
WP = wipe
WW = waste water

Comments/PO#:
Ticket # 44522

OEC SAMPLE RECEIPT

Rev. 01/15/10

CLIENT: Antenna OEC ID #: 1503693 Temp: 10 °C
Acceptable Range: 0°C to 6°C

COC RECEIVED
DATE/TIME: 8-28-15 @ 1617

RECEIPT LOGIN
DATE/TIME: 8-27-15 @ 1624

REFRIGERATOR(s): 3

SAMPLE TRANSPORT, RECEIPT, CONDITION & PRESERVATION:		Yes	No	N/A	(*) PROBLEM CHAIN FORM NEEDED
☒ OEC Courier/Sampler	COC document(s) received with samples	☒	☐*	☐	Custody Seals (circle): Present / Absent
☐ Delivery(Other than OEC Courier)	Correct containers for analysis requested	☒	☐*	☐	Samples / Coolers
☒ Samples Received on Ice	Container(s) intact and in good condition	☒	☐*	☐	Intact / Broken*
☐ Samples Received Outside Temp. Range*	Container label(s) consistent with COC	☒	☐*	☐	Method of Shipment & Tracking #(if applicable):
☒ Samples Direct from field (Outside Temp)	OEC preservative added (**note std ID)	☐**	☒	☐	
☐ After-Hours Outside Drop-off [Brought Inside]	Proper preservation on sample label(s)	☒	☐	☐	(**) OEC Preservative ID:
(Initials/Date/Time):	VOA containers free of headspace	☒	☐*	☐	Dissolved Metals Filtration: (Date/Init/Preserve ID)
	Tedlar Bags free of condensation	☐	☐*	☒	

CONTAINERS, COC CHANGES AND/OR CORRECTIONS — CHANGES AUTHORIZED BY:

OEC ID	Client ID ***If blank, refer to CoC	Container Description	Preservative	ResCl /pH	Matrix	Date/Time Sampled ***	Comments / Remarks / Condition Notes, Etc.
VAC		3-40 mL VOA	HCl	—	GW		

RECEIPT LOGIN BY: _____ RECEIPT REVIEWED BY: _____

Oilfield Environmental & Compliance, Inc.
307 Roemer Way, Suite 300, Santa Maria, Ca 93454
101 Adkisson Way, Taft, Ca 93268
Phone: 805-922-4772 / 661-762-9143
AR@oecusa.com

Date: 08-28-2015

Employee Name: Clarence Reynolds

Client Name: Anterra

Project / Site Name: Plant Water Well / Oxnard

Roundtrip Drive Time: 4	Roundtrip Drive Mileage: 214
Start Field Time: 0700	Stop Field Time: 0800
Start Field Mileage: 122637	Stop Field Mileage: 122637

Consumables: 3 X 40mL HCl VOA

Decription / Comment: Collected 1 GW Sample in triplicate for Benzene, $MeCl_2$, Acetone on Std. TAT

Admin Use:

Name: Initials: Date:

Total Drive Time: Total Field Time:

Total Drive Mileage: Total Field Mileage:

TICKET NO. 4452

Attachment G

Description of Impermeable Receiving Tank

& Sump Description

Attachment G
Sump Description

Owner and/or Operator	Field Name	County	Sump Description	Sump Location Lat/Long	LXWXD Volume Ft3	First Excavated?	Years Active?	Total Amt of Fluid Discharged in BBLS	Composition of Fluids	Sump Filled w/ material yes/no	When was sump filled?	Was there solidified waste yes/no	If yes, what was the composition?
Anterra Energy Services	Oxnard	Ventura	Impermeable, carbon steel tank enclosed within a 12" thick concrete secondary containment	34°11'25.16"N 119°09'24.14"W	2112.25 Ft3	1998	18	unknown	tank bottoms drill cuttings drill muds	yes	The sump is filled and emptied constantly	yes	tank bottoms drill cuttings drill muds

Michele Dempsey

From: Melissa Howard
Sent: Tuesday, January 19, 2016 10:00 AM
To: Michele Dempsey
Subject: FW: Plant sampling

FYI

From: Ankita Kashyap [mailto:akashyap@oecusa.com]
Sent: Tuesday, January 19, 2016 9:54 AM
To: Melissa Howard
Subject: RE: Plant sampling

Morning Melissa
We hope to have all the results except Radiological data available by 01/22. Radiological analyses take 3-4 weeks and should be available by end of this month.

Have a good day!

Ankita Kashyap | Project Manager
Oilfield Environmental and Compliance, Inc.
Main: 1-805-922-4772 Ext. 1115
Direct: 1-805-266-7297
E-mail: akashyap@oecusa.com

Send comments on our services to: Client-feedback@oecusa.com

From: Melissa Howard [mailto:mhoward@anterraservices.com]
Sent: Tuesday, January 19, 2016 9:21 AM
To: Ankita Kashyap
Subject: Plant sampling

Hi Ankita,

Do we have an ETA on the results for the testing we had done here at the plant?