Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-11-0697

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AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: AMEC Environment & Infrastructure

Client Project Name: DTSC - Wildomar Autumnwood Development / NB1016075P

Attention: Joseph Bahde
121 Innovation Drive
Suite 200
Irvine, CA 92617-3094

Approved for release on 11/19/2013 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

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

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Work Order Number: 13-11-0697

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 11/08/13. They were assigned to Work Order 13-11-0697.

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

Holding Times:

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

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

Quality Control:

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

Additional Comments:

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

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

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

Subcontractor Information:

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

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Sample Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0697
		Project Name:	DTSC - Wildomar Autumnwood Development / NB1016075P
		PO Number:	C013101741
		Date/Time Received:	11/08/13 18:03
		Number of Containers:	24
Attn:	Joseph Bahde		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QCTB-11082013	13-11-0697-1	11/08/13 08:00	2	Aqueous
7-GW-23-28	13-11-0697-2	11/08/13 09:15	4	Aqueous
8-SS-5-6	13-11-0697-3	11/08/13 11:20	1	Solid
8-SS-9.5-10.5	13-11-0697-4	11/08/13 11:32	1	Solid
8-SS-14.25-15.25	13-11-0697-5	11/08/13 11:40	1	Solid
12-SS-5-6	13-11-0697-6	11/08/13 13:18	1	Solid
12-SS-9.5-10.5	13-11-0697-7	11/08/13 13:20	1	Solid
12-SS-13.25-15.25	13-11-0697-8	11/08/13 13:27	2	Solid
6-SS-5-6	13-11-0697-9	11/08/13 14:58	1	Solid
6-SS-9-11	13-11-0697-10	11/08/13 15:05	1	Solid
60-SS-9-11	13-11-0697-11	11/08/13 15:06	1	Solid
6-SS-13.75-14.75	13-11-0697-12	11/08/13 15:25	1	Solid
QCEB-11082013	13-11-0697-13	11/08/13 15:40	7	Aqueous

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Detections Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0697
		Project Name:	DTSC - Wildomar Autumnwood Development / NB1016075P
		Received:	11/08/13
Attn:	Joseph Bahde		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
8-SS-5-6 (13-11-0697-3)						
Arsenic	1.28		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	66.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.77		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.93		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	10.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.22		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	5.12		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	48.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	36.4		1.00	mg/kg	EPA 6010B	EPA 3050B
8-SS-9.5-10.5 (13-11-0697-4)						
Barium	68.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.17		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.79		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	9.81		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	0.566		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	4.99		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	37.0		1.00	mg/kg	EPA 6010B	EPA 3050B
8-SS-14.25-15.25 (13-11-0697-5)						
Barium	94.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.297		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	12.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	13.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.41		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	6.61		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	63.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	44.1		1.00	mg/kg	EPA 6010B	EPA 3050B

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Detections Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0697
		Project Name:	DTSC - Wildomar Autumnwood Development / NB1016075P
		Received:	11/08/13
Attn:	Joseph Bahde		Page 2 of 4

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
12-SS-5-6 (13-11-0697-6)						
Barium	108		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.256		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.69		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.23		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	4.95		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	0.839		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	4.33		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	34.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Bis(2-Ethylhexyl) Phthalate	2.6		2.5	mg/kg	EPA 8270C	EPA 3545
12-SS-9.5-10.5 (13-11-0697-7)						
Arsenic	0.855		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	60.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	9.36		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.91		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	8.76		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	4.51		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	51.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	32.4		1.00	mg/kg	EPA 6010B	EPA 3050B
12-SS-13.25-15.25 (13-11-0697-8)						
Barium	102		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.316		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	12.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	13.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.48		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	6.98		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	62.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.0		1.00	mg/kg	EPA 6010B	EPA 3050B

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Detections Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0697
		Project Name:	DTSC - Wildomar Autumnwood Development / NB1016075P
		Received:	11/08/13
Attn:	Joseph Bahde		Page 3 of 4

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
6-SS-5-6 (13-11-0697-9)						
Arsenic	1.67		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	75.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	11.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	12.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.05		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	5.70		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	58.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.1		1.00	mg/kg	EPA 6010B	EPA 3050B
6-SS-9-11 (13-11-0697-10)						
Arsenic	0.815		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	93.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.308		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	13.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	13.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.51		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	6.39		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	64.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	43.6		1.00	mg/kg	EPA 6010B	EPA 3050B
60-SS-9-11 (13-11-0697-11)						
Arsenic	0.822		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	101		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.326		0.250	mg/kg	EPA 6010B	EPA 3050B
Chromium	13.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	14.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	15.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	1.46		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	6.95		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	66.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.6		1.00	mg/kg	EPA 6010B	EPA 3050B

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Detections Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0697
		Project Name:	DTSC - Wildomar Autumnwood Development / NB1016075P
		Received:	11/08/13
Attn:	Joseph Bahde		Page 4 of 4

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
6-SS-13.75-14.75 (13-11-0697-12)						
Barium	34.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	5.43		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	4.61		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	2.62		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	1.51		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	13.1		1.00	mg/kg	EPA 6010B	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-5-6	**13-11-0697-3-A**	**11/08/13 11:20**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:22**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	1.28	0.750	1	
Barium	66.8	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	9.77	0.250	1	
Cobalt	9.93	0.250	1	
Copper	10.2	0.500	1	
Lead	1.22	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	5.12	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	48.6	0.250	1	
Zinc	36.4	1.00	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-9.5-10.5	**13-11-0697-4-A**	**11/08/13 11:32**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:23**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	68.8	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	9.17	0.250	1	
Cobalt	9.79	0.250	1	
Copper	9.81	0.500	1	
Lead	0.566	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	4.99	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	45.9	0.250	1	
Zinc	37.0	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-14.25-15.25	**13-11-0697-5-A**	**11/08/13 11:40**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:28**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	94.7	0.500	1	
Beryllium	0.297	0.250	1	
Cadmium	ND	0.500	1	
Chromium	12.6	0.250	1	
Cobalt	12.9	0.250	1	
Copper	13.4	0.500	1	
Lead	1.41	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	6.61	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	63.0	0.250	1	
Zinc	44.1	1.00	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-5-6	**13-11-0697-6-A**	**11/08/13 13:18**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:29**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	108	0.500	1	
Beryllium	0.256	0.250	1	
Cadmium	ND	0.500	1	
Chromium	9.69	0.250	1	
Cobalt	6.23	0.250	1	
Copper	4.95	0.500	1	
Lead	0.839	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	4.33	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	29.4	0.250	1	
Zinc	34.7	1.00	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-9.5-10.5	**13-11-0697-7-A**	**11/08/13 13:20**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:30**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	0.855	0.750	1	
Barium	60.5	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	9.36	0.250	1	
Cobalt	8.91	0.250	1	
Copper	8.76	0.500	1	
Lead	ND	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	4.51	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	51.1	0.250	1	
Zinc	32.4	1.00	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-13.25-15.25	**13-11-0697-8-A**	**11/08/13 13:27**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 15:29**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	102	0.500	1	
Beryllium	0.316	0.250	1	
Cadmium	ND	0.500	1	
Chromium	12.0	0.250	1	
Cobalt	13.4	0.250	1	
Copper	13.4	0.500	1	
Lead	1.48	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	6.98	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	62.0	0.250	1	
Zinc	48.0	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-5-6	**13-11-0697-9-A**	**11/08/13 14:58**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:31**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	1.67	0.750	1	
Barium	75.4	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	11.5	0.250	1	
Cobalt	11.2	0.250	1	
Copper	12.7	0.500	1	
Lead	1.05	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	5.70	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	58.0	0.250	1	
Zinc	42.1	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 8 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-9-11	**13-11-0697-10-A**	**11/08/13 15:05**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:32**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	0.815	0.750	1	
Barium	93.0	0.500	1	
Beryllium	0.308	0.250	1	
Cadmium	ND	0.500	1	
Chromium	13.5	0.250	1	
Cobalt	13.7	0.250	1	
Copper	13.9	0.500	1	
Lead	1.51	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	6.39	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	64.3	0.250	1	
Zinc	43.6	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 9 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
60-SS-9-11	**13-11-0697-11-A**	**11/08/13 15:06**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:34**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	0.822	0.750	1	
Barium	101	0.500	1	
Beryllium	0.326	0.250	1	
Cadmium	ND	0.500	1	
Chromium	13.7	0.250	1	
Cobalt	14.3	0.250	1	
Copper	15.1	0.500	1	
Lead	1.46	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	6.95	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	66.4	0.250	1	
Zinc	46.6	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 10 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-13.75-14.75	**13-11-0697-12-A**	**11/08/13 15:25**	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 19:35**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	34.4	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	5.43	0.250	1	
Cobalt	4.61	0.250	1	
Copper	2.62	0.500	1	
Lead	ND	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	1.51	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	40.6	0.250	1	
Zinc	13.1	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 11 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17609**	**N/A**	**Solid**	**ICP 7300**	**11/11/13**	**11/11/13 16:35**	**131111L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1	
Arsenic	ND	0.750	1	
Barium	ND	0.500	1	
Beryllium	ND	0.250	1	
Cadmium	ND	0.500	1	
Chromium	ND	0.250	1	
Cobalt	ND	0.250	1	
Copper	ND	0.500	1	
Lead	ND	0.500	1	
Molybdenum	ND	0.250	1	
Nickel	ND	0.250	1	
Selenium	ND	0.750	1	
Silver	ND	0.250	1	
Thallium	ND	0.750	1	
Vanadium	ND	0.250	1	
Zinc	ND	1.00	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-11082013	**13-11-0697-13-D**	**11/08/13 15:40**	**Aqueous**	**ICP 7300**	**11/11/13**	**11/12/13 16:19**	**131111LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1	
Arsenic	ND	0.0100	1	
Barium	ND	0.0100	1	
Beryllium	ND	0.0100	1	
Cadmium	ND	0.0100	1	
Chromium	ND	0.0100	1	
Cobalt	ND	0.0100	1	
Copper	ND	0.0100	1	
Lead	ND	0.0100	1	
Molybdenum	ND	0.0100	1	
Nickel	ND	0.0100	1	
Selenium	ND	0.0150	1	
Silver	ND	0.00500	1	
Thallium	ND	0.0150	1	
Vanadium	ND	0.0100	1	
Zinc	ND	0.0100	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-13797**	**N/A**	**Aqueous**	**ICP 7300**	**11/11/13**	**11/12/13 13:27**	**131111LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1	
Arsenic	ND	0.0100	1	
Barium	ND	0.0100	1	
Beryllium	ND	0.0100	1	
Cadmium	ND	0.0100	1	
Chromium	ND	0.0100	1	
Cobalt	ND	0.0100	1	
Copper	ND	0.0100	1	
Lead	ND	0.0100	1	
Molybdenum	ND	0.0100	1	
Nickel	ND	0.0100	1	
Selenium	ND	0.0150	1	
Silver	ND	0.00500	1	
Thallium	ND	0.0150	1	
Vanadium	ND	0.0100	1	
Zinc	ND	0.0100	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
		Units:	mg/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-11082013	**13-11-0697-13-D**	**11/08/13 15:40**	**Aqueous**	**Mercury**	**11/11/13**	**11/12/13 12:18**	**131111L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1	

Method Blank	**099-04-008-6716**	**N/A**	**Aqueous**	**Mercury**	**11/11/13**	**11/11/13 16:50**	**131111L06**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-5-6	**13-11-0697-3-A**	**11/08/13 11:20**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:26**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

8-SS-9.5-10.5	**13-11-0697-4-A**	**11/08/13 11:32**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:28**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

8-SS-14.25-15.25	**13-11-0697-5-A**	**11/08/13 11:40**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:30**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

12-SS-5-6	**13-11-0697-6-A**	**11/08/13 13:18**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:33**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

12-SS-9.5-10.5	**13-11-0697-7-A**	**11/08/13 13:20**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:35**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

12-SS-13.25-15.25	**13-11-0697-8-A**	**11/08/13 13:27**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:37**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

6-SS-5-6	**13-11-0697-9-A**	**11/08/13 14:58**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:48**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

6-SS-9-11	**13-11-0697-10-A**	**11/08/13 15:05**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:50**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
60-SS-9-11	**13-11-0697-11-A**	**11/08/13 15:06**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:53**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

6-SS-13.75-14.75	**13-11-0697-12-A**	**11/08/13 15:25**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:55**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

Method Blank	**099-04-007-9815**	**N/A**	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:21**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0835	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-5-6	**13-11-0697-3-A**	**11/08/13 11:20**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 13:43**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	50-135	
2,4,5,6-Tetrachloro-m-Xylene	54	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-9.5-10.5	**13-11-0697-4-A**	**11/08/13 11:32**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 13:58**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	50-135	
2,4,5,6-Tetrachloro-m-Xylene	76	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-14.25-15.25	**13-11-0697-5-A**	**11/08/13 11:40**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 14:12**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	62	50-135	
2,4,5,6-Tetrachloro-m-Xylene	58	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-5-6	**13-11-0697-6-A**	**11/08/13 13:18**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 14:26**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	50-135	
2,4,5,6-Tetrachloro-m-Xylene	68	50-135	

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

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AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-9.5-10.5	**13-11-0697-7-A**	**11/08/13 13:20**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 14:41**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	50-135	
2,4,5,6-Tetrachloro-m-Xylene	80	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-13.25-15.25	**13-11-0697-8-A**	**11/08/13 13:27**	**Solid**	**GC 51**	**11/12/13**	**11/13/13 17:03**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	50-135	
2,4,5,6-Tetrachloro-m-Xylene	72	50-135	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-5-6	**13-11-0697-9-A**	**11/08/13 14:58**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 12:45**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	50-135	
2,4,5,6-Tetrachloro-m-Xylene	66	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 8 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-9-11	**13-11-0697-10-A**	**11/08/13 15:05**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 13:00**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	62	50-135	
2,4,5,6-Tetrachloro-m-Xylene	63	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 9 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
60-SS-9-11	**13-11-0697-11-A**	**11/08/13 15:06**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 13:14**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	61	50-135	
2,4,5,6-Tetrachloro-m-Xylene	72	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 10 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-13.75-14.75	**13-11-0697-12-A**	**11/08/13 15:25**	**Solid**	**GC 51**	**11/12/13**	**11/14/13 13:29**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	74	50-135	
2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 11 of 11

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1532**	**N/A**	**Solid**	**GC 51**	**11/12/13**	**11/13/13 16:48**	**131112L26**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1	
Alpha-BHC	ND	5.0	1	
Beta-BHC	ND	5.0	1	
Chlordane	ND	50	1	
4,4'-DDD	ND	5.0	1	
4,4'-DDE	ND	5.0	1	
4,4'-DDT	ND	5.0	1	
Delta-BHC	ND	5.0	1	
Dieldrin	ND	5.0	1	
Endosulfan I	ND	5.0	1	
Endosulfan II	ND	5.0	1	
Endosulfan Sulfate	ND	5.0	1	
Endrin	ND	5.0	1	
Endrin Aldehyde	ND	5.0	1	
Endrin Ketone	ND	5.0	1	
Gamma-BHC	ND	5.0	1	
Heptachlor	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1	
Methoxychlor	ND	5.0	1	
Toxaphene	ND	100	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	50-135	
2,4,5,6-Tetrachloro-m-Xylene	96	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-11082013	**13-11-0697-13-G**	**11/08/13 15:40**	**Aqueous**	**GC 44**	**11/11/13**	**11/15/13 17:23**	**131111L07**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1	
Gamma-BHC	ND	0.10	1	
Beta-BHC	ND	0.10	1	
Heptachlor	ND	0.10	1	
Delta-BHC	ND	0.10	1	
Aldrin	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1	
Endosulfan I	ND	0.10	1	
Dieldrin	ND	0.10	1	
4,4'-DDE	ND	0.10	1	
Endrin	ND	0.10	1	
Endrin Aldehyde	ND	0.10	1	
4,4'-DDD	ND	0.10	1	
Endosulfan II	ND	0.10	1	
4,4'-DDT	ND	0.10	1	
Endosulfan Sulfate	ND	0.10	1	
Methoxychlor	ND	0.10	1	
Chlordane	ND	1.0	1	
Toxaphene	ND	2.0	1	
Endrin Ketone	ND	0.10	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	50-135	
2,4,5,6-Tetrachloro-m-Xylene	85	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-661**	**N/A**	**Aqueous**	**GC 44**	**11/11/13**	**11/15/13 16:40**	**131111L07**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1	
Gamma-BHC	ND	0.10	1	
Beta-BHC	ND	0.10	1	
Heptachlor	ND	0.10	1	
Delta-BHC	ND	0.10	1	
Aldrin	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1	
Endosulfan I	ND	0.10	1	
Dieldrin	ND	0.10	1	
4,4'-DDE	ND	0.10	1	
Endrin	ND	0.10	1	
Endrin Aldehyde	ND	0.10	1	
4,4'-DDD	ND	0.10	1	
Endosulfan II	ND	0.10	1	
4,4'-DDT	ND	0.10	1	
Endosulfan Sulfate	ND	0.10	1	
Methoxychlor	ND	0.10	1	
Chlordane	ND	1.0	1	
Toxaphene	ND	2.0	1	
Endrin Ketone	ND	0.10	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	50-135	
2,4,5,6-Tetrachloro-m-Xylene	94	50-135	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-5-6	**13-11-0697-3-A**	**11/08/13 11:20**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 09:43**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	50-130	
2,4,5,6-Tetrachloro-m-Xylene	59	50-130	

8-SS-9.5-10.5	**13-11-0697-4-A**	**11/08/13 11:32**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 16:56**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	50-130	
2,4,5,6-Tetrachloro-m-Xylene	78	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-14.25-15.25	**13-11-0697-5-A**	**11/08/13 11:40**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 17:32**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	50-130	
2,4,5,6-Tetrachloro-m-Xylene	61	50-130	

12-SS-5-6	**13-11-0697-6-A**	**11/08/13 13:18**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 17:50**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	50-130	
2,4,5,6-Tetrachloro-m-Xylene	69	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-9.5-10.5	**13-11-0697-7-A**	**11/08/13 13:20**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 18:08**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	50-130	
2,4,5,6-Tetrachloro-m-Xylene	75	50-130	

12-SS-13.25-15.25	**13-11-0697-8-A**	**11/08/13 13:27**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 18:26**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-130	
2,4,5,6-Tetrachloro-m-Xylene	72	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-5-6	**13-11-0697-9-A**	**11/08/13 14:58**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 18:44**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	50-130	
2,4,5,6-Tetrachloro-m-Xylene	69	50-130	

6-SS-9-11	**13-11-0697-10-A**	**11/08/13 15:05**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 19:02**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	78	50-130	
2,4,5,6-Tetrachloro-m-Xylene	66	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
60-SS-9-11	**13-11-0697-11-A**	**11/08/13 15:06**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 19:20**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	50-130	
2,4,5,6-Tetrachloro-m-Xylene	73	50-130	

6-SS-13.75-14.75	**13-11-0697-12-A**	**11/08/13 15:25**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 19:38**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	50-130	
2,4,5,6-Tetrachloro-m-Xylene	89	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-2367**	**N/A**	**Solid**	**GC 58**	**11/12/13**	**11/14/13 08:49**	**131112L27**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1	
Aroclor-1221	ND	50	1	
Aroclor-1232	ND	50	1	
Aroclor-1242	ND	50	1	
Aroclor-1248	ND	50	1	
Aroclor-1254	ND	50	1	
Aroclor-1260	ND	50	1	
Aroclor-1262	ND	50	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	50-130	
2,4,5,6-Tetrachloro-m-Xylene	97	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8082
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-11082013	**13-11-0697-13-G**	**11/08/13 15:40**	**Aqueous**	**GC 58**	**11/11/13**	**11/15/13 16:41**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1	
Aroclor-1221	ND	1.0	1	
Aroclor-1232	ND	1.0	1	
Aroclor-1242	ND	1.0	1	
Aroclor-1248	ND	1.0	1	
Aroclor-1254	ND	1.0	1	
Aroclor-1260	ND	1.0	1	
Aroclor-1262	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	50-135	
2,4,5,6-Tetrachloro-m-Xylene	90	50-135	

Method Blank	**099-12-533-859**	**N/A**	**Aqueous**	**GC 58**	**11/11/13**	**11/15/13 16:23**	**131111L08**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1	
Aroclor-1221	ND	1.0	1	
Aroclor-1232	ND	1.0	1	
Aroclor-1242	ND	1.0	1	
Aroclor-1248	ND	1.0	1	
Aroclor-1254	ND	1.0	1	
Aroclor-1260	ND	1.0	1	
Aroclor-1262	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	50-135	
2,4,5,6-Tetrachloro-m-Xylene	91	50-135	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-11082013	**13-11-0697-13-F**	**11/08/13 15:40**	**Aqueous**	**GC/MS SS**	**11/12/13**	**11/14/13 15:50**	**131112L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	10	1	
Acenaphthylene	ND	10	1	
Aniline	ND	10	1	
Anthracene	ND	10	1	
Azobenzene	ND	10	1	
Benzidine	ND	50	1	
Benzo (a) Anthracene	ND	10	1	
Benzo (a) Pyrene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1	
Benzo (k) Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1	
Benzyl Alcohol	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1	
4-Chloroaniline	ND	10	1	
2-Chloronaphthalene	ND	10	1	
2-Chlorophenol	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1	
Chrysene	ND	10	1	
Di-n-Butyl Phthalate	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1	
Dibenzofuran	ND	10	1	
1,2-Dichlorobenzene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1	
2,4-Dichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	50	1	
2,4-Dinitrophenol	ND	50	1	
2,4-Dinitrotoluene	ND	10	1	
2,6-Dinitrotoluene	ND	10	1	
Fluoranthene	ND	10	1	
Fluorene	ND	10	1	
Hexachloro-1,3-Butadiene	ND	10	1	
Hexachlorobenzene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1	
Hexachloroethane	ND	10	1	
Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Isophorone	ND	10	1	
2-Methylnaphthalene	ND	10	1	
1-Methylnaphthalene	ND	10	1	
2-Methylphenol	ND	10	1	
3/4-Methylphenol	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1	
N-Nitrosodimethylamine	ND	10	1	
N-Nitrosodiphenylamine	ND	10	1	
Naphthalene	ND	10	1	
4-Nitroaniline	ND	10	1	
3-Nitroaniline	ND	10	1	
2-Nitroaniline	ND	10	1	
Nitrobenzene	ND	25	1	
4-Nitrophenol	ND	10	1	
2-Nitrophenol	ND	10	1	
Pentachlorophenol	ND	10	1	
Phenanthrene	ND	10	1	
Phenol	ND	10	1	
Pyrene	ND	10	1	
Pyridine	ND	10	1	
1,2,4-Trichlorobenzene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	68	42-138	
2-Fluorophenol	51	7-121	
Nitrobenzene-d5	84	50-146	
p-Terphenyl-d14	86	47-173	
Phenol-d6	37	1-127	
2,4,6-Tribromophenol	77	41-137	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3729**	**N/A**	**Aqueous**	**GC/MS SS**	**11/12/13**	**11/13/13 12:14**	**131112L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	10	1	
Acenaphthylene	ND	10	1	
Aniline	ND	10	1	
Anthracene	ND	10	1	
Azobenzene	ND	10	1	
Benzidine	ND	50	1	
Benzo (a) Anthracene	ND	10	1	
Benzo (a) Pyrene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1	
Benzo (k) Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1	
Benzyl Alcohol	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1	
4-Chloroaniline	ND	10	1	
2-Chloronaphthalene	ND	10	1	
2-Chlorophenol	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1	
Chrysene	ND	10	1	
Di-n-Butyl Phthalate	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1	
Dibenzofuran	ND	10	1	
1,2-Dichlorobenzene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1	
2,4-Dichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 6

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	50	1	
2,4-Dinitrophenol	ND	50	1	
2,4-Dinitrotoluene	ND	10	1	
2,6-Dinitrotoluene	ND	10	1	
Fluoranthene	ND	10	1	
Fluorene	ND	10	1	
Hexachloro-1,3-Butadiene	ND	10	1	
Hexachlorobenzene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1	
Hexachloroethane	ND	10	1	
Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Isophorone	ND	10	1	
2-Methylnaphthalene	ND	10	1	
1-Methylnaphthalene	ND	10	1	
2-Methylphenol	ND	10	1	
3/4-Methylphenol	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1	
N-Nitrosodimethylamine	ND	10	1	
N-Nitrosodiphenylamine	ND	10	1	
Naphthalene	ND	10	1	
4-Nitroaniline	ND	10	1	
3-Nitroaniline	ND	10	1	
2-Nitroaniline	ND	10	1	
Nitrobenzene	ND	25	1	
4-Nitrophenol	ND	10	1	
2-Nitrophenol	ND	10	1	
Pentachlorophenol	ND	10	1	
Phenanthrene	ND	10	1	
Phenol	ND	10	1	
Pyrene	ND	10	1	
Pyridine	ND	10	1	
1,2,4-Trichlorobenzene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	71	42-138	
2-Fluorophenol	63	7-121	
Nitrobenzene-d5	92	50-146	
p-Terphenyl-d14	90	47-173	
Phenol-d6	47	1-127	
2,4,6-Tribromophenol	86	41-137	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-5-6	**13-11-0697-3-A**	**11/08/13 11:20**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 04:17**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/08/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0697
Irvine, CA 92617-3094	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P		Page 2 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	55	38-134	
2-Fluorophenol	58	42-120	
Nitrobenzene-d5	59	42-150	
p-Terphenyl-d14	79	35-167	
Phenol-d6	60	46-118	
2,4,6-Tribromophenol	63	36-132	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
8-SS-9.5-10.5	**13-11-0697-4-A**	**11/08/13 11:32**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 18:26**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	66	38-134	
2-Fluorophenol	69	42-120	
Nitrobenzene-d5	78	42-150	
p-Terphenyl-d14	84	35-167	
Phenol-d6	76	46-118	
2,4,6-Tribromophenol	80	36-132	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-5-6	**13-11-0697-6-A**	**11/08/13 13:18**	**Solid**	**GC/MS TT**	**11/11/13**	**11/15/13 14:07**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	5	
Acenaphthylene	ND	2.5	5	
Aniline	ND	2.5	5	
Anthracene	ND	2.5	5	
Azobenzene	ND	2.5	5	
Benzidine	ND	50	5	
Benzo (a) Anthracene	ND	2.5	5	
Benzo (a) Pyrene	ND	2.5	5	
Benzo (b) Fluoranthene	ND	2.5	5	
Benzo (g,h,i) Perylene	ND	2.5	5	
Benzo (k) Fluoranthene	ND	2.5	5	
Benzoic Acid	ND	12	5	
Benzyl Alcohol	ND	2.5	5	
Bis(2-Chloroethoxy) Methane	ND	2.5	5	
Bis(2-Chloroethyl) Ether	ND	12	5	
Bis(2-Chloroisopropyl) Ether	ND	2.5	5	
Bis(2-Ethylhexyl) Phthalate	2.6	2.5	5	
4-Bromophenyl-Phenyl Ether	ND	2.5	5	
Butyl Benzyl Phthalate	ND	2.5	5	
4-Chloro-3-Methylphenol	ND	2.5	5	
4-Chloroaniline	ND	2.5	5	
2-Chloronaphthalene	ND	2.5	5	
2-Chlorophenol	ND	2.5	5	
4-Chlorophenyl-Phenyl Ether	ND	2.5	5	
Chrysene	ND	2.5	5	
Di-n-Butyl Phthalate	ND	2.5	5	
Di-n-Octyl Phthalate	ND	2.5	5	
Dibenz (a,h) Anthracene	ND	2.5	5	
Dibenzofuran	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5	
1,3-Dichlorobenzene	ND	2.5	5	
1,4-Dichlorobenzene	ND	2.5	5	
3,3'-Dichlorobenzidine	ND	50	5	
2,4-Dichlorophenol	ND	2.5	5	
Diethyl Phthalate	ND	2.5	5	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/08/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0697
Irvine, CA 92617-3094	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P		Page 8 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	2.5	5	
2,4-Dimethylphenol	ND	2.5	5	
4,6-Dinitro-2-Methylphenol	ND	12	5	
2,4-Dinitrophenol	ND	12	5	
2,4-Dinitrotoluene	ND	2.5	5	
2,6-Dinitrotoluene	ND	2.5	5	
Fluoranthene	ND	2.5	5	
Fluorene	ND	2.5	5	
Hexachloro-1,3-Butadiene	ND	2.5	5	
Hexachlorobenzene	ND	2.5	5	
Hexachlorocyclopentadiene	ND	12	5	
Hexachloroethane	ND	2.5	5	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	5	
Isophorone	ND	2.5	5	
2-Methylnaphthalene	ND	2.5	5	
1-Methylnaphthalene	ND	2.5	5	
2-Methylphenol	ND	2.5	5	
3/4-Methylphenol	ND	2.5	5	
N-Nitroso-di-n-propylamine	ND	2.5	5	
N-Nitrosodimethylamine	ND	2.5	5	
N-Nitrosodiphenylamine	ND	2.5	5	
Naphthalene	ND	2.5	5	
4-Nitroaniline	ND	2.5	5	
3-Nitroaniline	ND	2.5	5	
2-Nitroaniline	ND	2.5	5	
Nitrobenzene	ND	12	5	
4-Nitrophenol	ND	2.5	5	
2-Nitrophenol	ND	2.5	5	
Pentachlorophenol	ND	12	5	
Phenanthrene	ND	2.5	5	
Phenol	ND	2.5	5	
Pyrene	ND	2.5	5	
Pyridine	ND	2.5	5	
1,2,4-Trichlorobenzene	ND	2.5	5	
2,4,6-Trichlorophenol	ND	2.5	5	
2,4,5-Trichlorophenol	ND	2.5	5	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 9 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	67	38-134	
2-Fluorophenol	59	42-120	
Nitrobenzene-d5	68	42-150	
p-Terphenyl-d14	62	35-167	
Phenol-d6	65	46-118	
2,4,6-Tribromophenol	63	36-132	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 10 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
12-SS-9.5-10.5	**13-11-0697-7-A**	**11/08/13 13:20**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 16:42**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/08/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0697
Irvine, CA 92617-3094	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P		Page 11 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 12 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	83	38-134	
2-Fluorophenol	77	42-120	
Nitrobenzene-d5	87	42-150	
p-Terphenyl-d14	94	35-167	
Phenol-d6	90	46-118	
2,4,6-Tribromophenol	85	36-132	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 13 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-5-6	**13-11-0697-9-A**	**11/08/13 14:58**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 21:29**	**131111L05**

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

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	1.0	2	
Acenaphthylene	ND	1.0	2	
Aniline	ND	1.0	2	
Anthracene	ND	1.0	2	
Azobenzene	ND	1.0	2	
Benzidine	ND	20	2	
Benzo (a) Anthracene	ND	1.0	2	
Benzo (a) Pyrene	ND	1.0	2	
Benzo (b) Fluoranthene	ND	1.0	2	
Benzo (g,h,i) Perylene	ND	1.0	2	
Benzo (k) Fluoranthene	ND	1.0	2	
Benzoic Acid	ND	5.0	2	
Benzyl Alcohol	ND	1.0	2	
Bis(2-Chloroethoxy) Methane	ND	1.0	2	
Bis(2-Chloroethyl) Ether	ND	5.0	2	
Bis(2-Chloroisopropyl) Ether	ND	1.0	2	
Bis(2-Ethylhexyl) Phthalate	ND	1.0	2	
4-Bromophenyl-Phenyl Ether	ND	1.0	2	
Butyl Benzyl Phthalate	ND	1.0	2	
4-Chloro-3-Methylphenol	ND	1.0	2	
4-Chloroaniline	ND	1.0	2	
2-Chloronaphthalene	ND	1.0	2	
2-Chlorophenol	ND	1.0	2	
4-Chlorophenyl-Phenyl Ether	ND	1.0	2	
Chrysene	ND	1.0	2	
Di-n-Butyl Phthalate	ND	1.0	2	
Di-n-Octyl Phthalate	ND	1.0	2	
Dibenz (a,h) Anthracene	ND	1.0	2	
Dibenzofuran	ND	1.0	2	
1,2-Dichlorobenzene	ND	1.0	2	
1,3-Dichlorobenzene	ND	1.0	2	
1,4-Dichlorobenzene	ND	1.0	2	
3,3'-Dichlorobenzidine	ND	20	2	
2,4-Dichlorophenol	ND	1.0	2	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/08/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0697
Irvine, CA 92617-3094	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P		Page 14 of 24

Parameter	Result	RL	DF	Qualifiers
Diethyl Phthalate	ND	1.0	2	
Dimethyl Phthalate	ND	1.0	2	
2,4-Dimethylphenol	ND	1.0	2	
4,6-Dinitro-2-Methylphenol	ND	5.0	2	
2,4-Dinitrophenol	ND	5.0	2	
2,4-Dinitrotoluene	ND	1.0	2	
2,6-Dinitrotoluene	ND	1.0	2	
Fluoranthene	ND	1.0	2	
Fluorene	ND	1.0	2	
Hexachloro-1,3-Butadiene	ND	1.0	2	
Hexachlorobenzene	ND	1.0	2	
Hexachlorocyclopentadiene	ND	5.0	2	
Hexachloroethane	ND	1.0	2	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	2	
Isophorone	ND	1.0	2	
2-Methylnaphthalene	ND	1.0	2	
1-Methylnaphthalene	ND	1.0	2	
2-Methylphenol	ND	1.0	2	
3/4-Methylphenol	ND	1.0	2	
N-Nitroso-di-n-propylamine	ND	1.0	2	
N-Nitrosodimethylamine	ND	1.0	2	
N-Nitrosodiphenylamine	ND	1.0	2	
Naphthalene	ND	1.0	2	
4-Nitroaniline	ND	1.0	2	
3-Nitroaniline	ND	1.0	2	
2-Nitroaniline	ND	1.0	2	
Nitrobenzene	ND	5.0	2	
4-Nitrophenol	ND	1.0	2	
2-Nitrophenol	ND	1.0	2	
Pentachlorophenol	ND	5.0	2	
Phenanthrene	ND	1.0	2	
Phenol	ND	1.0	2	
Pyrene	ND	1.0	2	
Pyridine	ND	1.0	2	
1,2,4-Trichlorobenzene	ND	1.0	2	
2,4,6-Trichlorophenol	ND	1.0	2	
2,4,5-Trichlorophenol	ND	1.0	2	

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

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AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 15 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	85	38-134	
2-Fluorophenol	77	42-120	
Nitrobenzene-d5	93	42-150	
p-Terphenyl-d14	89	35-167	
Phenol-d6	84	46-118	
2,4,6-Tribromophenol	82	36-132	

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

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AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 16 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
6-SS-9-11	**13-11-0697-10-A**	**11/08/13 15:05**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 18:52**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/08/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0697
Irvine, CA 92617-3094	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P		Page 17 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 18 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	64	38-134	
2-Fluorophenol	66	42-120	
Nitrobenzene-d5	82	42-150	
p-Terphenyl-d14	85	35-167	
Phenol-d6	78	46-118	
2,4,6-Tribromophenol	70	36-132	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 19 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
60-SS-9-11	**13-11-0697-11-A**	**11/08/13 15:06**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 19:18**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 20 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 21 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	58	38-134	
2-Fluorophenol	55	42-120	
Nitrobenzene-d5	71	42-150	
p-Terphenyl-d14	78	35-167	
Phenol-d6	67	46-118	
2,4,6-Tribromophenol	64	36-132	

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

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AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 22 of 24

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-2702**	**N/A**	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 01:36**	**131111L05**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1	
Acenaphthylene	ND	0.50	1	
Aniline	ND	0.50	1	
Anthracene	ND	0.50	1	
Azobenzene	ND	0.50	1	
Benzidine	ND	10	1	
Benzo (a) Anthracene	ND	0.50	1	
Benzo (a) Pyrene	ND	0.50	1	
Benzo (b) Fluoranthene	ND	0.50	1	
Benzo (g,h,i) Perylene	ND	0.50	1	
Benzo (k) Fluoranthene	ND	0.50	1	
Benzoic Acid	ND	2.5	1	
Benzyl Alcohol	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Butyl Benzyl Phthalate	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1	
4-Chloroaniline	ND	0.50	1	
2-Chloronaphthalene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Chrysene	ND	0.50	1	
Di-n-Butyl Phthalate	ND	0.50	1	
Di-n-Octyl Phthalate	ND	0.50	1	
Dibenz (a,h) Anthracene	ND	0.50	1	
Dibenzofuran	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1	
3,3'-Dichlorobenzidine	ND	10	1	
2,4-Dichlorophenol	ND	0.50	1	
Diethyl Phthalate	ND	0.50	1	

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

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AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 23 of 24

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1	
2,4-Dimethylphenol	ND	0.50	1	
4,6-Dinitro-2-Methylphenol	ND	2.5	1	
2,4-Dinitrophenol	ND	2.5	1	
2,4-Dinitrotoluene	ND	0.50	1	
2,6-Dinitrotoluene	ND	0.50	1	
Fluoranthene	ND	0.50	1	
Fluorene	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1	
Hexachlorobenzene	ND	0.50	1	
Hexachlorocyclopentadiene	ND	2.5	1	
Hexachloroethane	ND	0.50	1	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1	
Isophorone	ND	0.50	1	
2-Methylnaphthalene	ND	0.50	1	
1-Methylnaphthalene	ND	0.50	1	
2-Methylphenol	ND	0.50	1	
3/4-Methylphenol	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1	
N-Nitrosodimethylamine	ND	0.50	1	
N-Nitrosodiphenylamine	ND	0.50	1	
Naphthalene	ND	0.50	1	
4-Nitroaniline	ND	0.50	1	
3-Nitroaniline	ND	0.50	1	
2-Nitroaniline	ND	0.50	1	
Nitrobenzene	ND	2.5	1	
4-Nitrophenol	ND	0.50	1	
2-Nitrophenol	ND	0.50	1	
Pentachlorophenol	ND	2.5	1	
Phenanthrene	ND	0.50	1	
Phenol	ND	0.50	1	
Pyrene	ND	0.50	1	
Pyridine	ND	0.50	1	
1,2,4-Trichlorobenzene	ND	0.50	1	
2,4,6-Trichlorophenol	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 24 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	77	38-134	
2-Fluorophenol	76	42-120	
Nitrobenzene-d5	80	42-150	
p-Terphenyl-d14	93	35-167	
Phenol-d6	78	46-118	
2,4,6-Tribromophenol	94	36-132	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCTB-11082013	**13-11-0697-1-A**	**11/08/13 08:00**	**Aqueous**	**GC/MS OO**	**11/13/13**	**11/14/13 00:20**	**131113L02**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	98	80-134	
Toluene-d8	100	80-120	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
7-GW-23-28	**13-11-0697-2-B**	**11/08/13 09:15**	**Aqueous**	**GC/MS OO**	**11/14/13**	**11/14/13 17:39**	**131114L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	97	80-134	
Toluene-d8	100	80-120	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-12427**	**N/A**	**Aqueous**	**GC/MS OO**	**11/13/13**	**11/13/13 23:27**	**131113L02**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	98	80-134	
Toluene-d8	98	80-120	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-12429**	**N/A**	**Aqueous**	**GC/MS OO**	**11/14/13**	**11/14/13 11:43**	**131114L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 8 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	96	80-126	
1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	100	80-120	

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

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Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-SS-13.25-15.25	**Solid**	**ICP 7300**	**11/11/13**	**11/12/13 15:30**	**131111S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	2.201	9	4.623	18	50-115	71	0-20	3,4
Arsenic	ND	25.00	25.21	101	25.68	103	75-125	2	0-20	
Barium	101.8	25.00	119.9	4X	129.1	4X	75-125	4X	0-20	Q
Beryllium	0.3162	25.00	26.41	104	26.18	103	75-125	1	0-20	
Cadmium	ND	25.00	25.80	103	25.63	103	75-125	1	0-20	
Chromium	12.01	25.00	37.92	104	39.80	111	75-125	5	0-20	
Cobalt	13.45	25.00	39.33	104	40.60	109	75-125	3	0-20	
Copper	13.38	25.00	41.28	112	42.58	117	75-125	3	0-20	
Lead	1.476	25.00	27.17	103	26.88	102	75-125	1	0-20	
Molybdenum	ND	25.00	20.92	84	20.57	82	75-125	2	0-20	
Nickel	6.976	25.00	33.24	105	34.34	109	75-125	3	0-20	
Selenium	ND	25.00	22.66	91	22.35	89	75-125	1	0-20	
Silver	ND	12.50	13.66	109	13.85	111	75-125	1	0-20	
Thallium	ND	25.00	22.62	90	22.63	91	75-125	0	0-20	
Vanadium	61.98	25.00	82.54	82	87.36	102	75-125	6	0-20	
Zinc	47.96	25.00	71.60	95	75.86	112	75-125	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-11-0708-1	**Aqueous**	**ICP 7300**	**11/11/13**	**11/12/13 13:31**	**131111SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.5472	109	0.5525	111	72-132	1	0-10	
Arsenic	ND	0.5000	0.5580	112	0.5527	111	80-140	1	0-11	
Barium	0.2222	0.5000	0.7280	101	0.7245	100	87-123	0	0-6	
Beryllium	ND	0.5000	0.5363	107	0.5369	107	89-119	0	0-8	
Cadmium	ND	0.5000	0.5224	104	0.5219	104	82-124	0	0-7	
Chromium	0.1687	0.5000	0.7149	109	0.7187	110	86-122	1	0-8	
Cobalt	ND	0.5000	0.5458	109	0.5435	109	83-125	0	0-7	
Copper	0.01418	0.5000	0.5747	112	0.5702	111	78-126	1	0-7	
Lead	ND	0.5000	0.5227	105	0.5188	104	84-120	1	0-7	
Molybdenum	0.03415	0.5000	0.5521	104	0.5539	104	78-126	0	0-7	
Nickel	0.02710	0.5000	0.5658	108	0.5671	108	84-120	0	0-7	
Selenium	ND	0.5000	0.5513	110	0.5399	108	79-127	2	0-9	
Silver	ND	0.2500	0.2917	117	0.2917	117	86-128	0	0-7	
Thallium	ND	0.5000	0.5521	110	0.5538	111	79-121	0	0-8	
Vanadium	0.01474	0.5000	0.5432	106	0.5458	106	88-118	0	0-7	
Zinc	0.02545	0.5000	0.6010	115	0.6161	118	89-131	2	0-8	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-11-0498-3	**Aqueous**	**Mercury**	**11/11/13**	**11/11/13 17:05**	**131111S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009451	95	0.009374	94	66-126	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-SS-13.25-15.25	**Solid**	**Mercury**	**11/11/13**	**11/11/13 17:39**	**131111S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.6857	82	0.6782	81	71-137	1	0-14	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-SS-13.25-15.25	**Solid**	**GC 51**	**11/12/13**	**11/13/13 17:32**	**131112S26**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	16.43	66	16.50	66	50-135	0	0-25	
Alpha-BHC	ND	25.00	17.19	69	18.74	75	50-135	9	0-25	
Beta-BHC	ND	25.00	18.14	73	20.17	81	50-135	11	0-25	
4,4'-DDD	ND	25.00	17.63	71	18.58	74	50-135	5	0-25	
4,4'-DDE	ND	25.00	18.61	74	18.65	75	50-135	0	0-25	
4,4'-DDT	ND	25.00	17.13	69	17.32	69	50-135	1	0-25	
Delta-BHC	ND	25.00	18.30	73	19.25	77	50-135	5	0-25	
Dieldrin	ND	25.00	17.66	71	18.60	74	50-135	5	0-25	
Endosulfan I	ND	25.00	17.36	69	18.22	73	50-135	5	0-25	
Endosulfan II	ND	25.00	17.90	72	19.41	78	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	16.92	68	18.08	72	50-135	7	0-25	
Endrin	ND	25.00	15.53	62	15.99	64	50-135	3	0-25	
Endrin Aldehyde	ND	25.00	16.94	68	17.43	70	50-135	3	0-25	
Gamma-BHC	ND	25.00	17.76	71	18.96	76	50-135	7	0-25	
Heptachlor	ND	25.00	17.52	70	17.57	70	50-135	0	0-25	
Heptachlor Epoxide	ND	25.00	16.43	66	17.67	71	50-135	7	0-25	
Methoxychlor	ND	25.00	17.81	71	18.66	75	50-135	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-SS-13.25-15.25	**Solid**	**GC 58**	**11/12/13**	**11/14/13 09:07**	**131112S27**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	93.64	94	93.92	94	50-135	0	0-20	
Aroclor-1260	ND	100.0	76.70	77	73.62	74	50-135	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
8-SS-9.5-10.5	**Solid**	**GC/MS TT**	**11/11/13**	**11/14/13 02:29**	**131111S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	8.227	82	8.467	85	49-133	3	0-18	
Acenaphthylene	ND	10.00	8.144	81	8.519	85	50-150	4	0-20	
Butyl Benzyl Phthalate	ND	10.00	9.344	93	9.574	96	50-150	2	0-20	
4-Chloro-3-Methylphenol	ND	10.00	8.602	86	8.536	85	50-128	1	0-17	
2-Chlorophenol	ND	10.00	7.612	76	8.213	82	57-111	8	0-17	
1,4-Dichlorobenzene	ND	10.00	6.597	66	7.425	74	49-127	12	0-20	
Dimethyl Phthalate	ND	10.00	8.663	87	8.928	89	50-150	3	0-20	
2,4-Dinitrotoluene	ND	10.00	9.485	95	9.523	95	50-128	0	0-18	
Fluorene	ND	10.00	8.945	89	9.060	91	50-150	1	0-20	
N-Nitroso-di-n-propylamine	ND	10.00	8.858	89	8.873	89	54-144	0	0-17	
Naphthalene	ND	10.00	7.428	74	8.006	80	50-150	7	0-20	
4-Nitrophenol	ND	10.00	7.531	75	7.682	77	30-144	2	0-21	
Pentachlorophenol	ND	10.00	8.730	87	9.478	95	29-113	8	0-22	
Phenol	ND	10.00	7.439	74	7.735	77	57-123	4	0-16	
Pyrene	ND	10.00	8.654	87	9.145	91	47-149	6	0-20	
1,2,4-Trichlorobenzene	ND	10.00	7.351	74	8.001	80	42-132	8	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 8 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-11-0903-2	**Aqueous**	**GC/MS OO**	**11/13/13**	**11/14/13 01:13**	**131113S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	45.02	90	47.68	95	78-120	6	0-20	
Carbon Tetrachloride	ND	50.00	47.22	94	48.55	97	67-139	3	0-20	
Chlorobenzene	ND	50.00	45.43	91	47.73	95	80-120	5	0-20	
1,2-Dibromoethane	ND	50.00	48.40	97	50.14	100	80-123	4	0-20	
1,2-Dichlorobenzene	ND	50.00	45.07	90	47.28	95	76-120	5	0-20	
1,2-Dichloroethane	ND	50.00	45.01	90	48.00	96	76-130	6	0-20	
1,1-Dichloroethene	ND	50.00	45.09	90	47.63	95	70-130	5	0-27	
Ethylbenzene	ND	50.00	47.03	94	49.72	99	73-127	6	0-20	
Toluene	ND	50.00	46.41	93	49.90	100	72-126	7	0-20	
Trichloroethene	ND	50.00	48.39	97	49.93	100	74-122	3	0-20	
Vinyl Chloride	ND	50.00	46.91	94	48.78	98	65-131	4	0-24	
p/m-Xylene	ND	100.0	86.23	86	90.38	90	70-130	5	0-30	
o-Xylene	ND	50.00	42.46	85	44.76	90	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.22	94	47.29	95	69-123	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 9 of 9

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-11-0910-2	**Aqueous**	**GC/MS OO**	**11/14/13**	**11/14/13 13:10**	**131114S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	47.35	95	47.33	95	78-120	0	0-20	
Carbon Tetrachloride	ND	50.00	49.94	100	49.81	100	67-139	0	0-20	
Chlorobenzene	ND	50.00	47.22	94	47.34	95	80-120	0	0-20	
1,2-Dibromoethane	ND	50.00	51.51	103	49.46	99	80-123	4	0-20	
1,2-Dichlorobenzene	ND	50.00	47.59	95	48.38	97	76-120	2	0-20	
1,2-Dichloroethane	ND	50.00	47.65	95	47.48	95	76-130	0	0-20	
1,1-Dichloroethene	ND	50.00	47.02	94	48.13	96	70-130	2	0-27	
Ethylbenzene	ND	50.00	49.62	99	49.55	99	73-127	0	0-20	
Toluene	ND	50.00	48.92	98	49.30	99	72-126	1	0-20	
Trichloroethene	ND	50.00	50.79	102	51.44	103	74-122	1	0-20	
Vinyl Chloride	ND	50.00	50.32	101	50.87	102	65-131	1	0-24	
p/m-Xylene	ND	100.0	90.23	90	90.50	91	70-130	0	0-30	
o-Xylene	ND	50.00	44.05	88	44.19	88	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.23	98	47.25	94	69-123	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 1 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17609	**Solid**	**ICP 7300**	**11/11/13 16:41**	**131111L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	27.49	110	80-120	73-127	
Arsenic	25.00	25.34	101	80-120	73-127	
Barium	25.00	25.38	102	80-120	73-127	
Beryllium	25.00	25.15	101	80-120	73-127	
Cadmium	25.00	26.27	105	80-120	73-127	
Chromium	25.00	27.39	110	80-120	73-127	
Cobalt	25.00	27.83	111	80-120	73-127	
Copper	25.00	25.59	102	80-120	73-127	
Lead	25.00	25.94	104	80-120	73-127	
Molybdenum	25.00	25.11	100	80-120	73-127	
Nickel	25.00	27.28	109	80-120	73-127	
Selenium	25.00	24.05	96	80-120	73-127	
Silver	12.50	12.87	103	80-120	73-127	
Thallium	25.00	26.52	106	80-120	73-127	
Vanadium	25.00	24.71	99	80-120	73-127	
Zinc	25.00	27.80	111	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 2 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-003-13797	**Aqueous**	**ICP 7300**	**11/12/13 13:28**	**131111LA5**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.5293	106	80-120	73-127	
Arsenic	0.5000	0.5219	104	80-120	73-127	
Barium	0.5000	0.4982	100	80-120	73-127	
Beryllium	0.5000	0.4941	99	80-120	73-127	
Cadmium	0.5000	0.5135	103	80-120	73-127	
Chromium	0.5000	0.5408	108	80-120	73-127	
Cobalt	0.5000	0.5490	110	80-120	73-127	
Copper	0.5000	0.4945	99	80-120	73-127	
Lead	0.5000	0.5144	103	80-120	73-127	
Molybdenum	0.5000	0.4956	99	80-120	73-127	
Nickel	0.5000	0.5463	109	80-120	73-127	
Selenium	0.5000	0.4826	97	80-120	73-127	
Silver	0.2500	0.2531	101	80-120	73-127	
Thallium	0.5000	0.5333	107	80-120	73-127	
Vanadium	0.5000	0.4854	97	80-120	73-127	
Zinc	0.5000	0.5318	106	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 3 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-008-6716	**Aqueous**	**Mercury**	**11/11/13 16:57**	**131111L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.01000	0.009574	96	85-121	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 4 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9815	**Solid**	**Mercury**	**11/11/13 17:24**	**131111L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8462	101	85-121	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 5 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-537-1532	**Solid**	**GC 51**	**11/13/13 17:18**	**131112L26**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.92	84	50-135	36-149	
Alpha-BHC	25.00	19.94	80	50-135	36-149	
Beta-BHC	25.00	21.71	87	50-135	36-149	
4,4'-DDD	25.00	23.02	92	50-135	36-149	
4,4'-DDE	25.00	24.19	97	50-135	36-149	
4,4'-DDT	25.00	21.57	86	50-135	36-149	
Delta-BHC	25.00	21.28	85	50-135	36-149	
Dieldrin	25.00	22.11	88	50-135	36-149	
Endosulfan I	25.00	20.50	82	50-135	36-149	
Endosulfan II	25.00	22.07	88	50-135	36-149	
Endosulfan Sulfate	25.00	20.59	82	50-135	36-149	
Endrin	25.00	17.28	69	50-135	36-149	
Endrin Aldehyde	25.00	23.40	94	50-135	36-149	
Gamma-BHC	25.00	20.37	81	50-135	36-149	
Heptachlor	25.00	21.69	87	50-135	36-149	
Heptachlor Epoxide	25.00	20.71	83	50-135	36-149	
Methoxychlor	25.00	22.15	89	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8081A
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 6 of 12

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-661	**Aqueous**	**GC 44**	**11/11/13**	**11/15/13 16:55**	**131111L07**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4668	93	0.5460	109	50-135	36-149	16	0-25	
Gamma-BHC	0.5000	0.4652	93	0.5410	108	50-135	36-149	15	0-25	
Beta-BHC	0.5000	0.4950	99	0.5703	114	50-135	36-149	14	0-25	
Heptachlor	0.5000	0.4676	94	0.5418	108	50-135	36-149	15	0-25	
Delta-BHC	0.5000	0.4735	95	0.5468	109	50-135	36-149	14	0-25	
Aldrin	0.5000	0.4700	94	0.5502	110	50-135	36-149	16	0-25	
Heptachlor Epoxide	0.5000	0.4694	94	0.5445	109	50-135	36-149	15	0-25	
Endosulfan I	0.5000	0.4674	93	0.5425	108	50-135	36-149	15	0-25	
Dieldrin	0.5000	0.4696	94	0.5467	109	50-135	36-149	15	0-25	
4,4'-DDE	0.5000	0.4570	91	0.5310	106	50-135	36-149	15	0-25	
Endrin	0.5000	0.4380	88	0.5077	102	50-135	36-149	15	0-25	
Endrin Aldehyde	0.5000	0.4341	87	0.4988	100	50-135	36-149	14	0-25	
4,4'-DDD	0.5000	0.4697	94	0.5459	109	50-135	36-149	15	0-25	
Endosulfan II	0.5000	0.4797	96	0.5576	112	50-135	36-149	15	0-25	
4,4'-DDT	0.5000	0.4506	90	0.5261	105	50-135	36-149	15	0-25	
Endosulfan Sulfate	0.5000	0.4654	93	0.5383	108	50-135	36-149	15	0-25	
Methoxychlor	0.5000	0.4592	92	0.5296	106	50-135	36-149	14	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8082
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 7 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-535-2367	**Solid**	**GC 58**	**11/14/13 08:31**	**131112L27**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	108.3	108	50-135	
Aroclor-1260	100.0	96.96	97	50-135	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8082
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 8 of 12

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-859	**Aqueous**	**GC 58**	**11/11/13**	**11/15/13 15:47**	**131111L08**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.071	104	2.059	103	50-135	1	0-25	
Aroclor-1260	2.000	2.008	100	1.932	97	50-135	4	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3510C
		Method:	EPA 8270C
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 9 of 12

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3729	**Aqueous**	**GC/MS SS**	**11/12/13**	**11/13/13 12:40**	**131112L05**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acenaphthene	200.0	160.4	80	159.8	80	55-139	41-153	0	0-17	
Acenaphthylene	200.0	159.7	80	159.1	80	33-145	14-164	0	0-20	
Butyl Benzyl Phthalate	200.0	166.7	83	164.9	82	0-152	0-177	1	0-20	
4-Chloro-3-Methylphenol	200.0	166.7	83	165.5	83	55-121	44-132	1	0-18	
2-Chlorophenol	200.0	152.8	76	150.7	75	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	200.0	81.89	41	81.77	41	50-122	38-134	0	0-19	ME
Dimethyl Phthalate	200.0	151.5	76	151.2	76	0-112	0-131	0	0-20	
2,4-Dinitrotoluene	200.0	167.8	84	169.4	85	41-161	21-181	1	0-22	
Fluorene	200.0	176.1	88	176.3	88	59-121	49-131	0	0-20	
N-Nitroso-di-n-propylamine	200.0	208.6	104	206.6	103	56-146	41-161	1	0-22	
Naphthalene	200.0	127.6	64	127.6	64	21-133	2-152	0	0-20	
4-Nitrophenol	200.0	104.6	52	105.1	53	1-145	0-169	0	0-29	
Pentachlorophenol	200.0	165.4	83	168.2	84	34-130	18-146	2	0-23	
Phenol	200.0	89.44	45	88.68	44	4-142	0-165	1	0-24	
Pyrene	200.0	175.2	88	173.0	87	38-170	16-192	1	0-27	
1,2,4-Trichlorobenzene	200.0	101.1	51	101.2	51	49-121	37-133	0	0-19	

Total number of LCS compounds: 16
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 10 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-549-2702	**Solid**	**GC/MS TT**	**11/14/13 01:09**	**131111L05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	8.411	84	59-125	48-136	
Acenaphthylene	10.00	8.457	85	33-145	14-164	
Butyl Benzyl Phthalate	10.00	10.75	107	0-152	0-177	
4-Chloro-3-Methylphenol	10.00	9.260	93	61-121	51-131	
2-Chlorophenol	10.00	7.684	77	60-114	51-123	
1,4-Dichlorobenzene	10.00	7.075	71	61-121	51-131	
Dimethyl Phthalate	10.00	9.008	90	0-112	0-131	
2,4-Dinitrotoluene	10.00	10.09	101	51-141	36-156	
Fluorene	10.00	9.040	90	59-121	49-131	
N-Nitroso-di-n-propylamine	10.00	9.373	94	64-136	52-148	
Naphthalene	10.00	7.665	77	21-133	2-152	
4-Nitrophenol	10.00	8.082	81	38-152	19-171	
Pentachlorophenol	10.00	9.106	91	38-116	25-129	
Phenol	10.00	7.645	76	59-125	48-136	
Pyrene	10.00	10.46	105	51-141	36-156	
1,2,4-Trichlorobenzene	10.00	7.639	76	58-118	48-128	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 11 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-001-12427	**Aqueous**	**GC/MS OO**	**11/13/13 23:01**	**131113L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.25	97	80-120	73-127	
Carbon Tetrachloride	50.00	50.01	100	66-138	54-150	
Chlorobenzene	50.00	48.19	96	80-120	73-127	
1,2-Dibromoethane	50.00	52.19	104	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.02	96	80-120	73-127	
1,2-Dichloroethane	50.00	48.80	98	80-129	72-137	
1,1-Dichloroethene	50.00	47.67	95	71-131	61-141	
Ethylbenzene	50.00	50.14	100	80-123	73-130	
Toluene	50.00	49.51	99	79-121	72-128	
Trichloroethene	50.00	50.45	101	80-120	73-127	
Vinyl Chloride	50.00	48.53	97	70-136	59-147	
p/m-Xylene	100.0	91.04	91	75-125	67-133	
o-Xylene	50.00	44.77	90	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	50.60	101	72-126	63-135	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/08/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0697
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB1016075P			Page 12 of 12

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-001-12429	**Aqueous**	**GC/MS OO**	**11/14/13 10:41**	**131114L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.50	93	80-120	73-127	
Carbon Tetrachloride	50.00	49.22	98	66-138	54-150	
Chlorobenzene	50.00	46.80	94	80-120	73-127	
1,2-Dibromoethane	50.00	50.78	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.29	95	80-120	73-127	
1,2-Dichloroethane	50.00	46.07	92	80-129	72-137	
1,1-Dichloroethene	50.00	46.45	93	71-131	61-141	
Ethylbenzene	50.00	49.45	99	80-123	73-130	
Toluene	50.00	48.65	97	79-121	72-128	
Trichloroethene	50.00	49.97	100	80-120	73-127	
Vinyl Chloride	50.00	48.72	97	70-136	59-147	
p/m-Xylene	100.0	89.86	90	75-125	67-133	
o-Xylene	50.00	43.93	88	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	46.97	94	72-126	63-135	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-11-0697

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7470A	EPA 7470A Total	769	Mercury	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8081A	EPA 3545	500	GC 51	1
EPA 8081A	EPA 3510C	842	GC 44	1
EPA 8082	EPA 3545	669	GC 58	1
EPA 8082	EPA 3510C	669	GC 58	1
EPA 8260B	EPA 5030C	486	GC/MS OO	2
EPA 8270C	EPA 3545	449	GC/MS TT	1
EPA 8270C	EPA 3545	859	GC/MS TT	1
EPA 8270C	EPA 3510C	449	GC/MS SS	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-11-0697

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

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

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

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

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CHAIN-OF-CUSTODY RECORD

NB 27369

PROJECT NAME: DTSC - Wildomar Autumnwood Development			DATE: 11/8/13 PAGE 1 OF 1
PROJECT NUMBER: NB10160075P	LABORATORY NAME: Calscience	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: Joe Bahde	LABORATORY ADDRESS: 7440 Lincoln Way		13-11-0697
TURNAROUND TIME: Standard 5 - Day TAT	Garden Grove, CA 92841		
SAMPLE SHIPMENT METHOD: Lab drop off	LABORATORY CONTACT: Steve Nowak		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 714-895-5494		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOCs EPA 8260B	Formaldehyde EPA 8315	OCP EPA 8081B	SVOCs EPA 8270D	PCBs EPA 8082A	CAM 6010B EPA	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	11/8/13	0800	QCTB-11082013	X						2x40ml VOA	W		HCl	✓		2	
2		0915	7-GW-23-28	X	X					1L amber, 3x40ml VOA	W		HCl	✓		4	
3		1120	8-SS-5-6			X	X	X	X	1x8oz jar	S			✓		1	
4		1132	8-SS-9.5-10.5			X	X	X	X		S			✓		1	
5		1140	8-SS-14.25-15.25			X		X	X		S			✓		1	
6		1318	12-SS-5-6			X	X	X	X		S			✓		1	
7		1320	12-SS-9.5-10.5			X	X	X	X		S			✓		1	
8		1327	12-SS-13.25-15.25			X		X	X		S			✓	✓	2	
—		~~1458~~	DP		V.R												
9		1458	6-SS-5-6			X	X	X	X	1x8oz jar	S			✓		1	
10		1505	6-SS-9-11			X	X	X	X		S			✓		1	
11		1506	6D-SS-9-11			X	X	X	X		S			✓		1	
12		1525	6-SS-13.75-14.75			X		X	X		S			✓		1	
13		1540	QCEB-11082013	X		X	X	X	X	3x1L amber, 3x40cc VOA, 1x250cc HDPE	W		HCl	✓		7	Hold sample for VOCs only

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	11/8/13	18:03	SIGNATURE: Dannyle	11/8/13	18:03
PRINTED NAME: Jorge Perez			PRINTED NAME: DANNY CZ		
COMPANY: AMEC			COMPANY: CEL		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: temperature blank included in cooler

121 Innovation Drive, Suite 200
Irvine, California 92617-3094
Tel 949.642.0245 Fax 949.642.4474

amec

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-11-0697

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: AMEC

DATE: 11/08/13

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

Temperature 3.2 °C - 0.2 °C (CF) = 3.0 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 659

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 659

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

CONTAINER TYPE:

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

Aqueous: ~~☑VOA~~ 3 659 11/8/13 ☑VOA**h** 3 ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 131031A **Labeled/Checked by:** 659

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 778

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 778

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Weck Laboratories, Inc.
Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 11/15/13 11:55
Received Date: 11/09/13 09:35
Turnaround Time: Normal

Project: 13-11-0697

Phones: (714) 895-5494
Fax: (714) 894-7501

P.O. #:

Attn: Stephen Nowak

Client: Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Dear Stephen Nowak :

Enclosed are the results of analyses for samples received 11/9/2013 with the Chain of Custody document. The samples were received in good condition, at 2.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 3K11003-01 **Sample ID: 7-GW-23-28** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/13 09:15**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Formaldehyde	ND		30	ug/l	1	EPA 8315A	11/11/13	11/14/13 10:27	W3K0448	

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Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Weck Laboratories, Inc.
Analytical Laboratory Service - Since 1964

Certificate of Analysis

Quality Control Section

Aldehydes by EPA Method 8315A - Quality Control

Batch W3K0448 - EPA 8315A

Blank (W3K0448-BLK1) — **Prepared: 11/11/13** **Analyzed: 11/14/13 10:27**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde		ND		ug/l					

LCS (W3K0448-BS1) — **Prepared: 11/11/13** **Analyzed: 11/14/13 10:27**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde		101		ug/l	100	101	44-173		

Matrix Spike (W3K0448-MS1) — **Source: 3K11003-01** — **Prepared: 11/11/13** **Analyzed: 11/14/13 10:27**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde	ND	78.2		ug/l	100	78	32-164		

Matrix Spike Dup (W3K0448-MSD1) — **Source: 3K11003-01** — **Prepared: 11/11/13** **Analyzed: 11/14/13 10:27**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde	ND	101	Q-12	ug/l	100	101	32-164	25	20

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Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature
Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: **Weck Labs**
City of Industry

3K11003

CHAIN OF CUSTODY RECORD

DATE: 11/09/13
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.	CLIENT PROJECT NAME / NUMBER: 13-11-0697
ADDRESS: 7440 Lincoln Way	P.O. NO.:
CITY: Garden Grove, CA 92841	PROJECT CONTACT: Stephen Nowak
	QUOTE NO.:
TEL: 714-895-5494 / E-MAIL: snowak@calscience.com	SAMPLER(S): (PRINT)
	LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ Standard

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Formaldehyde by EPA 8315
	7-GW-23-28	11/08/13	9:15	W	1	X

Relinquished by: (Signature) (CALSCIENCE)	Received by / Affiliation: (Signature) AIR 2.1°C	Date: 11/9/13	Time: 9:35
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

Subcontractor Analysis Report

Work Order: 13-11-0697

One or more samples in this work order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1. Weck Laboratories, Inc. - City of Industry,CA NELAP 04229CA
   Formaldehyde

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-11-0600

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: AMEC Environment & Infrastructure

Client Project Name: DTSC - Wildomar Autumnwood Development / NB10160TSP

Attention: Joseph Bahde
121 Innovation Drive
Suite 200
Irvine, CA 92617-3094

Approved for release on 11/15/2013 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Accredited in accordance with nelac

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

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: DTSC - Wildomar Autumnwood Development / NB10160TSP
Work Order Number: 13-11-0600

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-11-0600

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 11/07/13. They were assigned to Work Order 13-11-0600.

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

Holding Times:

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

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

Quality Control:

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

Additional Comments:

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

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

Subcontractor Information:

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

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	AMEC Environment & Infrastructure 121 Innovation Drive, Suite 200 Irvine, CA 92617-3094	Work Order:	13-11-0600
		Project Name:	DTSC - Wildomar Autumnwood Development / NB10160TSP
		PO Number:	
		Date/Time Received:	11/07/13 18:29
		Number of Containers:	18
Attn:	Joseph Bahde		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QCTB-11072013	13-11-0600-1	11/07/13 08:00	2	Aqueous
13-GW-27-32	13-11-0600-2	11/07/13 09:55	4	Aqueous
130-GW-27-32	13-11-0600-3	11/07/13 09:58	1	Aqueous
11-GW-31-36	13-11-0600-4	11/07/13 13:25	4	Aqueous
110-GW-31-36	13-11-0600-5	11/07/13 13:28	3	Aqueous
1-GW-19-24	13-11-0600-6	11/07/13 15:46	4	Aqueous

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCTB-11072013	**13-11-0600-1-A**	**11/07/13 08:00**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 00:40**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/07/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0600
Irvine, CA 92617-3094	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP		Page 2 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	95	80-126	
1,2-Dichloroethane-d4	91	80-134	
Toluene-d8	95	80-120	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
13-GW-27-32	**13-11-0600-2-A**	**11/07/13 09:55**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 06:38**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/07/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0600
Irvine, CA 92617-3094	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP		Page 4 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	96	80-120	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
11-GW-31-36	**13-11-0600-4-A**	**11/07/13 13:25**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 07:08**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/07/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0600
Irvine, CA 92617-3094	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP		Page 6 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	96	80-120	

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

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Analytical Report

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
110-GW-31-36	**13-11-0600-5-A**	**11/07/13 13:28**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 07:38**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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AMEC Environment & Infrastructure	Date Received:	11/07/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0600
Irvine, CA 92617-3094	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP		Page 8 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	80-120	
Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	95	80-120	

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

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AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
1-GW-19-24	**13-11-0600-6-A**	**11/07/13 15:46**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 08:08**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 10 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	100	80-134	
Toluene-d8	96	80-120	

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

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AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-12388**	**N/A**	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 00:10**	**131108L03**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1	
Benzene	ND	0.50	1	
Bromobenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1	
Bromodichloromethane	ND	1.0	1	
Bromoform	ND	1.0	1	
Bromomethane	ND	10	1	
2-Butanone	ND	10	1	
n-Butylbenzene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1	
Carbon Tetrachloride	ND	0.50	1	
Chlorobenzene	ND	1.0	1	
Chloroethane	ND	5.0	1	
Chloroform	ND	1.0	1	
Chloromethane	ND	10	1	
2-Chlorotoluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1	
1,2-Dibromoethane	ND	1.0	1	
Dibromomethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1	
1,3-Dichloropropane	ND	1.0	1	
2,2-Dichloropropane	ND	1.0	1	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Environment & Infrastructure	Date Received:	11/07/13
121 Innovation Drive, Suite 200	Work Order:	13-11-0600
Irvine, CA 92617-3094	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP		Page 12 of 12

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1	
t-1,3-Dichloropropene	ND	0.50	1	
Ethylbenzene	ND	1.0	1	
2-Hexanone	ND	10	1	
Isopropylbenzene	ND	1.0	1	
p-Isopropyltoluene	ND	1.0	1	
Methylene Chloride	ND	10	1	
4-Methyl-2-Pentanone	ND	10	1	
Naphthalene	ND	10	1	
n-Propylbenzene	ND	1.0	1	
Styrene	ND	1.0	1	
1,1,1,2-Tetrachloroethane	ND	1.0	1	
1,1,2,2-Tetrachloroethane	ND	1.0	1	
Tetrachloroethene	ND	1.0	1	
Toluene	ND	1.0	1	
1,2,3-Trichlorobenzene	ND	1.0	1	
1,2,4-Trichlorobenzene	ND	1.0	1	
1,1,1-Trichloroethane	ND	1.0	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,1,2-Trichloroethane	ND	1.0	1	
Trichloroethene	ND	1.0	1	
Trichlorofluoromethane	ND	10	1	
1,2,3-Trichloropropane	ND	5.0	1	
1,2,4-Trimethylbenzene	ND	1.0	1	
1,3,5-Trimethylbenzene	ND	1.0	1	
Vinyl Acetate	ND	10	1	
Vinyl Chloride	ND	0.50	1	
p/m-Xylene	ND	1.0	1	
o-Xylene	ND	1.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	94	80-120	

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

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-11-0459-4	**Aqueous**	**GC/MS W**	**11/08/13**	**11/09/13 01:40**	**131108S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	46.58	93	46.42	93	78-120	0	0-20	
Carbon Tetrachloride	ND	50.00	50.51	101	50.42	101	67-139	0	0-20	
Chlorobenzene	ND	50.00	46.15	92	47.03	94	80-120	2	0-20	
1,2-Dibromoethane	ND	50.00	50.74	101	49.74	99	80-123	2	0-20	
1,2-Dichlorobenzene	ND	50.00	47.47	95	47.91	96	76-120	1	0-20	
1,2-Dichloroethane	ND	50.00	43.12	86	43.25	86	76-130	0	0-20	
1,1-Dichloroethene	29.04	50.00	62.76	67	63.68	69	70-130	1	0-27	3
Ethylbenzene	ND	50.00	48.04	96	49.36	99	73-127	3	0-20	
Toluene	ND	50.00	47.98	96	47.83	96	72-126	0	0-20	
Trichloroethene	19.06	50.00	62.74	87	62.52	87	74-122	0	0-20	
Vinyl Chloride	ND	50.00	46.89	94	49.34	99	65-131	5	0-24	
p/m-Xylene	ND	100.0	85.47	85	88.98	89	70-130	4	0-30	
o-Xylene	ND	50.00	44.02	88	46.04	92	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	1.078	50.00	42.61	83	44.52	87	69-123	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

AMEC Environment & Infrastructure		Date Received:	11/07/13
121 Innovation Drive, Suite 200		Work Order:	13-11-0600
Irvine, CA 92617-3094		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: DTSC - Wildomar Autumnwood Development / NB10160TSP			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-001-12388	**Aqueous**	**GC/MS W**	**11/08/13 22:41**	**131108L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.09	96	80-120	73-127	
Carbon Tetrachloride	50.00	52.44	105	66-138	54-150	
Chlorobenzene	50.00	49.17	98	80-120	73-127	
1,2-Dibromoethane	50.00	51.57	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.60	103	80-120	73-127	
1,2-Dichloroethane	50.00	43.78	88	80-129	72-137	
1,1-Dichloroethene	50.00	43.13	86	71-131	61-141	
Ethylbenzene	50.00	48.81	98	80-123	73-130	
Toluene	50.00	46.67	93	79-121	72-128	
Trichloroethene	50.00	47.13	94	80-120	73-127	
Vinyl Chloride	50.00	46.60	93	70-136	59-147	
p/m-Xylene	100.0	93.52	94	75-125	67-133	
o-Xylene	50.00	49.53	99	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	42.53	85	72-126	63-135	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-11-0600

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	510	GC/MS W	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-11-0600

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

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

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

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

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CHAIN-OF-CUSTODY RECORD

NB 27368

PROJECT NAME: DTSC-Waldomar Autumnwood Development			DATE: 11/7/13 PAGE 1 OF 1
PROJECT NUMBER: NB101660TSP	LABORATORY NAME: Calscience	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: Joe Bahde	LABORATORY ADDRESS: 7440 Lincoln Way Garden Grove, CA 92841		13-11-0600
TURNAROUND TIME: Standard 5-day TAT	LABORATORY CONTACT: Steve Nowak		GEOTRACKER REQUIRED YES NO
SAMPLE SHIPMENT METHOD: lab drop off	LABORATORY PHONE NUMBER: 714-895-5494		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOCs EPA 8260B	Formaldehyde EPA 8315	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	11/7/13	0800	QCTB-11072013	X		40ml VOAs x2	W		HCl	✓		2	
2		0955	13-GW-27-32	X	X	1L Amber, 3x40ml VOA	W		HCl	✓		4	
3		0958	130-GW-27-32		X	1L Amber	W		—	✓		1	
4		1325	11-GW-31-36	X	X	1L Amber, 3x40ml VOA	W		HCl	✓		4	(*)
5		1328	110-GW-31-36	X		3x40 ml VOAs	W		HCl	✓		3	
6		1546	1-GW-19-24	X	X	3x40ml VOAs, 1L Amber	W		HCl	✓		4	

JVC 11/7/13

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	11/07/13	1829	SIGNATURE:	11/07/13	1829
PRINTED NAME: Jorge Perez			PRINTED NAME: WEN-SHANG CHANG		
COMPANY: AMEC			COMPANY: CEL		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS: 18

SAMPLING COMMENTS:

temp. blank included in cooler.

(*) Container to analyze for VOCs is noted on sample bottle label

121 Innovation Drive, Suite 200
Irvine, California 92617-3094
Tel 949.642.0245 Fax 949.642.4474

amec

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-11-0600

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: AMEC

DATE: 11/07/13

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

Temperature 3.6 °C - 0.2 °C (CF) = 3.4 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 778

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** 778

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 854

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑ 854 11/7/13	☑	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 131031A **Labeled/Checked by:** 854

Container: C: Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 739

Preservative: h: HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 739

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-11-0600

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis
2	C	3							

Comments: Note- VOA vial "C" that contained headspace, was not used for any analysis.

*Transferred at Client's request.

Initial / Date: 854 11/07/13

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Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 11/11/13 16:57
Received Date: 11/08/13 10:15
Turnaround Time: Normal

Project: 13-11-~~0460~~ 0600
SN 11/15/13

Phones: (714) 895-5494
Fax: (714) 894-7501

P.O. #:

Attn: Stephen Nowak

Client: Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Dear Stephen Nowak :

Enclosed are the results of analyses for samples received 11/8/2013 with the Chain of Custody document. The samples were received in good condition, at 3.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 3K08030-01 **Sample ID: 13-GW-27-32** **Matrix:** Water
Sampled by: Client **Sampled: 11/07/13 09:55**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Formaldehyde	ND		30	ug/l	1	EPA 8315A	11/8/13	11/11/13 13:17	W3K0392	

Lab Sample ID: 3K08030-02 **Sample ID: 130-GW-27-32** **Matrix:** Water
Sampled by: Client **Sampled: 11/07/13 09:58**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Formaldehyde	ND		30	ug/l	1	EPA 8315A	11/8/13	11/11/13 13:17	W3K0392	

Lab Sample ID: 3K08030-03 **Sample ID: 11-GW-31-36** **Matrix:** Water
Sampled by: Client **Sampled: 11/07/13 13:25**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Formaldehyde	ND		30	ug/l	1	EPA 8315A	11/8/13	11/11/13 13:17	W3K0392	

Lab Sample ID: 3K08030-04 **Sample ID: 1-GW-19-24** **Matrix:** Water
Sampled by: Client **Sampled: 11/07/13 15:46**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Formaldehyde	ND		30	ug/l	1	EPA 8315A	11/8/13	11/11/13 13:17	W3K0392	

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Quality Control Section

Aldehydes by EPA Method 8315A - Quality Control

Batch W3K0392 - EPA 8315A

Blank (W3K0392-BLK1) — **Prepared: 11/08/13 Analyzed: 11/11/13 13:17**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde		ND		ug/l					

LCS (W3K0392-BS1) — **Prepared: 11/08/13 Analyzed: 11/11/13 13:17**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde		102		ug/l	100	102	44-173		

Matrix Spike (W3K0392-MS1) — **Source: 3K08030-01** — **Prepared: 11/08/13 Analyzed: 11/11/13 13:17**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde	ND	113		ug/l	100	113	32-164		

Matrix Spike Dup (W3K0392-MSD1) — **Source: 3K08030-01** — **Prepared: 11/08/13 Analyzed: 11/11/13 13:17**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Formaldehyde	ND	115		ug/l	100	115	32-164	2	20

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Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature
Contact: Kim G Tu (Project Manager)

ISO 17025

NELAP ACCREDITED TNI LABORATORY

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

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www.wecklabs.com

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: Weck Labs
City of Industry

3K08030

CHAIN OF CUSTODY RECORD

DATE: 11/08/13
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.
ADDRESS: 7440 Lincoln Way
CITY: Garden Grove, CA 92841
TEL: 714-895-5494
E-MAIL: snowak@calscience.com

CLIENT PROJECT NAME / NUMBER: SN 11/15/13 13-11-~~0460~~-0600
PROJECT CONTACT: Stephen Nowak
SAMPLER(S): (PRINT)
P.O. NO.:
QUOTE NO.:
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ Standard

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Formaldehyde by EPA 8315
	13-GW-27-32	11/07/13	9:55	W	1	X
	130-GW-27-32	11/07/13	9:58	W	1	X
	11-GW-31-36	11/07/13	13:25	W	1	X
	1-GW-19-24	11/07/13	15:46	W	1	X

Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
(CALSCIENCE)	Jamal Ismer 3.1C	11/8/13	10:15
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

Subcontractor Analysis Report

Work Order: 13-11-0600

One or more samples in this work order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1. Weck Laboratories, Inc. - City of Industry,CA NELAP 04229CA
   Formaldehyde

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