

RECEIVED

By Alameda County Environmental Health 2:39 pm, Jan 17, 2017

January 10, 2017

Ms. Kit Soo
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

**Subject: Perjury Statement and Report Transmittal
Additional Indoor Air Sampling Report**
10700 MacArthur Blvd.
Oakland, California
AEI Project # 365948
Toxics Case No. RO0002580

Dear Ms. Soo:

I declare under penalty of perjury, that the information and/or recommendations contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to call the undersigned at (310) 270-8339, or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,



WAC Enterprises FHS, LLC
8245 W. 4th Street,
Los Angeles, CA 90048

cc: Mr. Peter McIntyre, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597



January 10, 2017

Ms. Kit Soo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Additional Indoor Air Sampling Report
10700 MacArthur Boulevard
Oakland, California 94605
AEI Project No. 365948
Toxics Case No. RO0002580

Dear Ms. Soo:

On behalf of WAC Enterprise FHS, LLC, owner of Foothill Square Shopping Center, AEI Consultants (AEI) has prepared this *Additional Indoor Air Sampling Report* for the property located at 10700 MacArthur Boulevard in the City of Oakland, Alameda County, California ("the Site").

As outlined in AEI's Indoor Air Sampling Report dated September 20, 2016, samples collected in August 2016 from the Former Anna's Linens (Anna's) suite (vacant as of the date of this report) reported tetrachloroethylene (PCE) in the indoor air at up to 4.1 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), above the environmental screening levels (ESLs) of 2.1 $\mu\text{g}/\text{m}^3$. An electronic mail correspondence from the Alameda County Health Care Services Agency (ACHCSA) on October 21, 2016 required that additional indoor air samples be collected to further assess current indoor air conditions at the Site. The completed indoor air sampling activities were proposed in AEI's *Indoor Air Sampling Work Plan* dated November 22, 2016 and approved by the ACHCSA in a letter dated December 1, 2016.

INDOOR AIR SAMPLE COLLECTION

A total of six indoor air samples and one ambient air sample were collected to assess the current indoor air quality of the former Anna's and adjacent Rainbow Apparel (Rainbow) spaces. The footprint of the former Anna's has been converted into a new suite for a potential new tenant which consists of a large single open rectangular room. Two samples labeled IA-1 and IA-2 were located in this space. These two locations were sampled in August 2016. The northeastern portion of the former Anna's suite has been partitioned off and now consists of a storage room for facility maintenance and is not occupied otherwise. This is where IA-3 was collected. To the east of the former Anna's is an existing tenant, Rainbow. The Rainbow suite consists of a backwards "L" with the northeastern portion of the "L" partitioned-off and used for storage, stocking, and staging for the Rainbow employees. IA-4 and IA-5 were located within the customer shopping area of Rainbow and IA-6 was located in the partitioned-off employee only area. The former dry cleaning tenant was located in the current area of the maintenance storage closet and

southwest portion of the customer area of Rainbow where samples IA-3 and IA-4 were collected. Sampling locations are shown on the attached site plan.

The indoor air samples were collected in the breathing zone which is approximately 3 to 5 feet above slab surface. For security reasons, the outdoor ambient sample was placed on top of the roof of the building, at a height of approximately 3 feet above the roof and 25 feet above ground level. The ambient sample was located in the up-wind direction from the soil vapor extraction (SVE) effluent which was operating at the time of sampling.

Prior to sampling, the initial vacuum for each sample canister was measured and recorded. The samples were collected using Summa™ canisters equipped with a flow controller calibrated to collect samples over a 24-hour period. Sample equipment was provided by Advanced Technology Laboratories (ATL) of Signal Hill, California (ELAP Certification Number 1838). Sampling was initiated on December 12, 2016 and following the 24-hour sample collection, on December 13, 2016, sample canisters were sealed and submitted for analysis for PCE, trichloroethene (TCE), *cis* and *trans*-1,2-dichloroethene, and vinyl chloride using USEPA Method TO-15.

During the sampling event, the former Anna's tenant space was relatively vacant, the storage closet was full of various supplies, none of which were observed to contain chlorinated volatile organic compounds (CVOCs). Rainbow was full of merchandise in the customer area and various supplies in the storage room. Based on this inventory list, onsite materials are not expected to contribute to false positive CVOC results. The HVAC system was operating within Anna's but not within Rainbow during the sampling event. Please refer to the attached field forms for additional details.

INDOOR AIR SAMPLE RESULTS

For the purpose of providing context to the data obtained during this investigation, analytical results have been compared to available regulatory screening levels. The Environmental Screening Levels (ESLs) which were developed by the Regional Water Quality Control Board are based on long-term exposures. Per the ESL user guide, "*the presence of a chemical at concentrations in excess of an ESL does not necessarily indicate adverse effects on human health or the environment, rather that additional evaluation is warranted*"¹. Short term exposure response values for TCE have been established by the United States Environmental Protection Agency Region 9 at 7 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for an accelerated response and 21 $\mu\text{g}/\text{m}^3$ for urgent response².

Indoor air concentrations were reported as follows:

- PCE was detected in each of the indoor air samples at concentrations ranging from 0.31 $\mu\text{g}/\text{m}^3$ to 7.7 $\mu\text{g}/\text{m}^3$. Each of the reported concentrations were below the commercial

¹ User's Guide: Derivation and Application of Environmental Screening Levels, Interim Final 2016, prepared by the San Francisco Regional Water Quality Control Board.

² DTSC Human Health Risk Assessment Note Number 5; August 23, 2014 based on a 10-hour work day under a commercial scenario.

environmental screening level (ESL) of 2.1 $\mu\text{g}/\text{m}^3$ with the exception of IA-3, located in the maintenance closet.

- Trichloroethene (TCE) was detected in each of the indoor air samples with the exception of IA-2 where TCE was not reported at or above the laboratory detection limit. TCE was reported at concentrations ranging from 0.08 $\mu\text{g}/\text{m}^3$ to 1.7 $\mu\text{g}/\text{m}^3$ each of which were below the ESL and short term response values.
- Relatively low concentrations, below the ESLs of cis and trans-1,2 dichloroethene were reported in each of the samples with the exception of IA-1.
- Vinyl chloride was reported in IA-3 and IA-6 at concentrations of 0.05 $\mu\text{g}/\text{m}^3$ and 0.16 $\mu\text{g}/\text{m}^3$ which are at or below the ESL. The remaining samples did not contain vinyl chloride at or above the laboratory detection limit.
- The ambient air sample did not contain concentrations of the chemicals of concern above the laboratory limits.

Analytical results are summarized on Table 1 and a copy of the laboratory report is attached. All laboratory reporting limits were below the respective ESL.

CONCLUSIONS

CVOCs were not detected above the respective commercial ESL for indoor air with the exception of PCE in IA-3 where PCE was detected at a concentration of 7.7 $\mu\text{g}/\text{m}^3$ slightly above the ESL of 2.1 $\mu\text{g}/\text{m}^3$. The location of IA-3 was inside a maintenance storage closet and as such, unoccupied. Therefore, this slight exceedance in IA-3 does not represent a significant human health risk.

Based on the August 2016 indoor air findings reporting PCE above the ESL, confirmation samples were collected to assess indoor air quality. PCE concentrations reported in the indoor air of Anna's during December 2016 was lower than during the August 2016 indoor air sampling event. Furthermore, PCE was not reported above the ESL in the samples from within the Rainbow suite. TCE concentrations have been below the ESLs as well as the short-term exposure response values in all samples. These findings indicate that a significant indoor air quality concern is not present at the Site. Based on these findings, AEI recommends the continued operation of the SVE system to further reduce CVOCs in the subsurface.

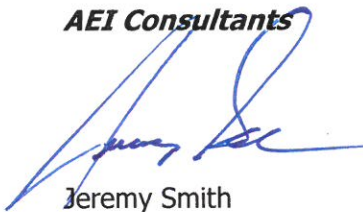
REPORT LIMITATIONS AND SIGNATURES

This report has been prepared by AEI Consultants relating to the environmental release at the property located at 10700 MacArthur Boulevard, Oakland, Alameda County, California. Material samples have been collected and analyzed, and where appropriate conclusions drawn and recommendations made based on these analyses and other observations. This report may not reflect subsurface variations that may exist between sampling points. These variations cannot be fully anticipated, nor could they be entirely accounted for, in spite of exhaustive additional testing. This document should not be regarded as a guarantee that no further contamination, beyond that which could have been detected within the scope of past investigations is present beneath the property or that all contamination present at the site will be identified, treated, or removed. Undocumented, unauthorized releases of hazardous material(s) and petroleum products, the remains of which are not readily identifiable by visual inspection and/or are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation and may or may not become apparent at a later time. All specified work has been performed in accordance with generally accepted practices in environmental engineering, geology, and hydrogeology and performed under the direction of appropriate California registered professionals.

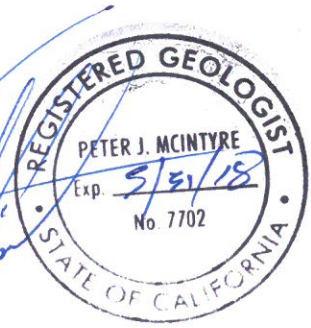

Please contact either of the undersigned at (925) 746-6000 if you have any questions or need any additional information.

Sincerely,

AEI Consultants



Jeremy Smith
Senior Project Manager



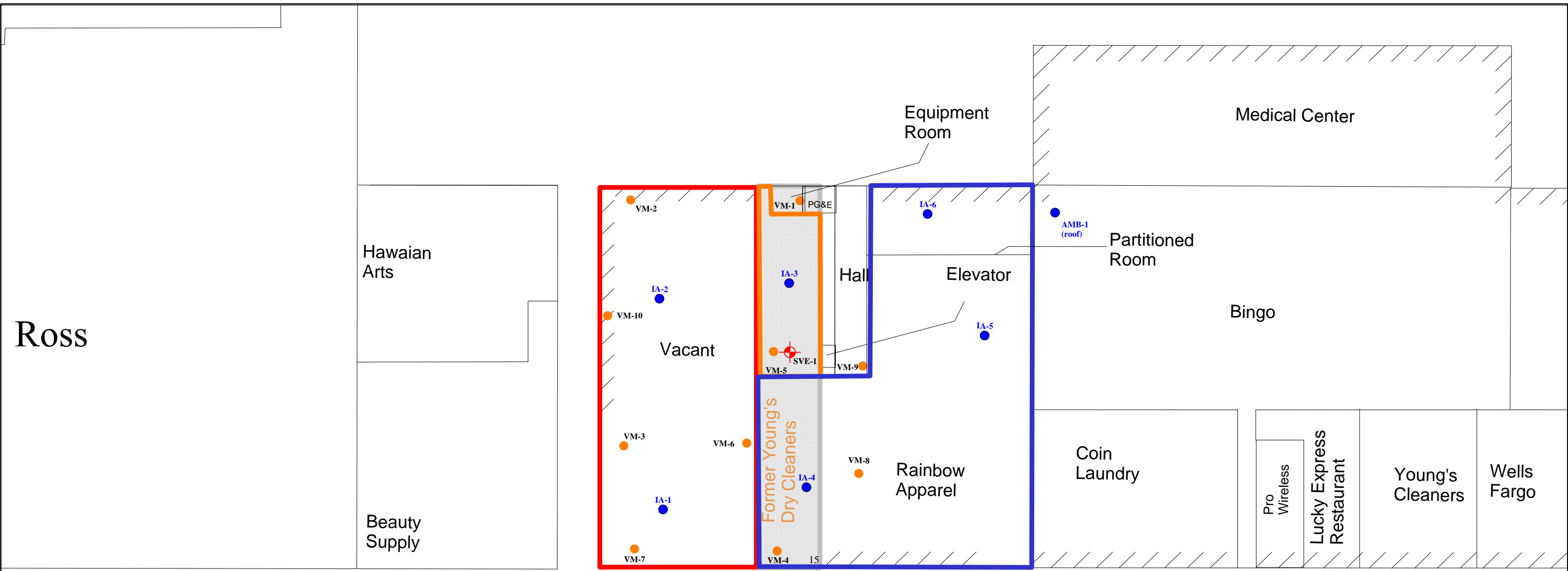
Peter McIntyre, PG
Executive Vice President

Distribution :

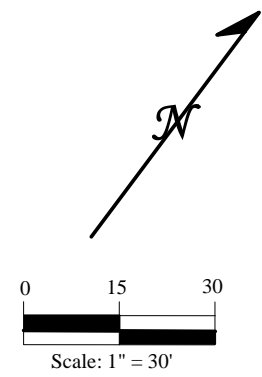
WAC Enterprises FHS, LLC, 8245 W. 4th Street, Los Angeles, CA 90048
Jay-Phares Corporation, Attn; John Jay, 10700 MacArthur Blvd., Oakland, California 94605
Geotracker electronic upload

Attachments:

Figure 1: Site Plan
Table 1: Indoor Air Sample Analytical Details
Laboratory Analytical Report
Field Forms



- KEY**
- Indoor Air Sample Location
 - Soil Vapor Probe Location
 - ⊕ Vapor Extraction Well
 - Vacant Tenant Location
 - Rainbow Apparel
 - Maintenance Closet
 - Former Dry Cleaning Unit



AEI CONSULTANTS	
2500 CAMINO DIABLO, WALNUT CREEK, CA	
INDOOR AIR SAMPLE LOCATIONS	
10700 MACARTHUR BLVD. OAKLAND, CALIFORNIA	FIGURE 1 PROJECT NO. 365948

Table 1:
Indoor Air Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

Sample ID	Date	PCE µg/m ³	TCE µg/m ³	cis-1,2-DCE µg/m ³	trans-1,2 DCE µg/m ³	Vinyl Chloride µg/m ³
IA-1	8/23/2016	3.4	0.23	<0.40	<0.40	<0.013
	12/13/2016	1.3	0.15	<0.04	<0.04	<0.03
IA-2	8/23/2016	4.1	0.21	<0.40	<0.40	<0.013
	12/13/2016	0.31	<0.05	<0.04	0.16	<0.03
IA-3	12/13/2016	7.7	1.7	1.5	0.16	0.05
IA-4	12/13/2016	0.48	0.08	0.06	0.13	<0.03
IA-5	12/13/2016	1.1	0.43	<0.099	0.15	<0.026
IA-6	12/13/2016	1.2	0.45	0.32	0.56	0.16
AMB-1	8/23/2016	<0.069	<0.027	<0.40	<0.40	<0.013
	12/13/2016	<0.17	<0.13	<0.099	<0.099	<0.026
ESL	--	2.1	3.0	35	350	0.16
DTSC	--	--	7	--	--	--
Accelerated Response / Urgent Response	--	--	21	--	--	--

Notes:

PCE = Tetrachloroethene

TCE = Trichloroethene

c-1,2-DCE = cis-1,2-Dichloroethene

trans-1,2-DCE = trans-1,2-Dichloroethene

µg/m³ = micrograms per cubic meter

ESL - Environmental Screening Level for commercial land use; RWQCB February 2016 (Rev.3)

DTSC - Human Health Risk Assessment Note Number 5; August 23, 2014 based on a 10-hour work day under a commercial scenario.

December 28, 2016

Jeremy Smith
AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Tel: (925) 746-6000
Fax:(925) 746-6099

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1604606
Client Reference : FOOTHILL SQUARE, 365948

Enclosed are the results for sample(s) received on December 14, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek , CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IA-1	1604606-01	Air	12/13/16 8:38	12/14/16 11:00
IA-2	1604606-02	Air	12/13/16 8:39	12/14/16 11:00
IA-3	1604606-03	Air	12/13/16 8:48	12/14/16 11:00
IA-4	1604606-04	Air	12/13/16 8:29	12/14/16 11:00
IA-5	1604606-05	Air	12/13/16 8:30	12/14/16 11:00
IA-6	1604606-06	Air	12/13/16 8:33	12/14/16 11:00
AMB-1	1604606-07	Air	12/13/16 8:53	12/14/16 11:00

CASE NARRATIVE

Samples 1604606-05, 1604606-06 and 1604606-07 were subcontracted to Eurofins Calscience, Inc. with ELAP Cert.#1230.



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

Client Sample ID IA-1

Lab ID: 1604606-01

Volatile Organic Compounds in AIR by TO-15 SIM (ug/m3)

Analyst: LT

Analyte	Result (ug/m ³)	PQL (ug/m ³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 19:05	
cis-1,2-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 19:05	
Tetrachloroethene	1.3	0.07	1	B6L0754	12/19/2016	12/19/16 19:05	
trans-1,2-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 19:05	
Trichloroethene	0.15	0.05	1	B6L0754	12/19/2016	12/19/16 19:05	
Vinyl chloride	ND	0.03	1	B6L0754	12/19/2016	12/19/16 19:05	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>	<i>70 - 130</i>		B6L0754	12/19/2016	<i>12/19/16 19:05</i>	



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

Client Sample ID IA-2

Lab ID: 1604606-02

Volatile Organic Compounds in AIR by TO-15 SIM (ug/m3)

Analyst: LT

Analyte	Result (ug/m ³)	PQL (ug/m ³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 19:51	
cis-1,2-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 19:51	
Tetrachloroethene	0.31	0.07	1	B6L0754	12/19/2016	12/19/16 19:51	
trans-1,2-Dichloroethene	0.16	0.04	1	B6L0754	12/19/2016	12/19/16 19:51	
Trichloroethene	ND	0.05	1	B6L0754	12/19/2016	12/19/16 19:51	
Vinyl chloride	ND	0.03	1	B6L0754	12/19/2016	12/19/16 19:51	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>70 - 130</i>		B6L0754	12/19/2016	<i>12/19/16 19:51</i>	



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

Client Sample ID IA-3

Lab ID: 1604606-03

Volatile Organic Compounds in AIR by TO-15 SIM (ug/m³)

Analyst: LT

Analyte	Result (ug/m ³)	PQL (ug/m ³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 20:34	
cis-1,2-Dichloroethene	1.5	0.04	1	B6L0754	12/19/2016	12/19/16 20:34	
Tetrachloroethene	7.7	0.68	10	B6L0754	12/19/2016	12/19/16 23:16	
trans-1,2-Dichloroethene	0.16	0.04	1	B6L0754	12/19/2016	12/19/16 20:34	
Trichloroethene	1.7	0.05	1	B6L0754	12/19/2016	12/19/16 20:34	
Vinyl chloride	0.05	0.03	1	B6L0754	12/19/2016	12/19/16 20:34	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>112 %</i>	<i>70 - 130</i>		B6L0754	12/19/2016	<i>12/19/16 20:34</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>70 - 130</i>		B6L0754	12/19/2016	<i>12/19/16 23:16</i>	



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek , CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

Client Sample ID IA-4
Lab ID: 1604606-04

Volatile Organic Compounds in AIR by TO-15 SIM (ug/m3)

Analyst: LT

Analyte	Result (ug/m ³)	PQL (ug/m ³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	0.04	1	B6L0754	12/19/2016	12/19/16 21:19	
cis-1,2-Dichloroethene	0.06	0.04	1	B6L0754	12/19/2016	12/19/16 21:19	
Tetrachloroethene	0.48	0.07	1	B6L0754	12/19/2016	12/19/16 21:19	
trans-1,2-Dichloroethene	0.13	0.04	1	B6L0754	12/19/2016	12/19/16 21:19	
Trichloroethene	0.08	0.05	1	B6L0754	12/19/2016	12/19/16 21:19	
Vinyl chloride	ND	0.03	1	B6L0754	12/19/2016	12/19/16 21:19	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>115 %</i>	<i>70 - 130</i>		B6L0754	12/19/2016	<i>12/19/16 21:19</i>	



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

QUALITY CONTROL SECTION

Volatile Organic Compounds in AIR by TO-15 SIM (ug/m³) - Quality Control

Analyte	Result (ug/m ³)	PQL (ug/m ³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	--------------------------------	-----------------------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B6L0754 - No_Prep_AIR

Blank (B6L0754-BLK1)

Prepared: 12/19/2016 Analyzed: 12/19/2016

1,1-Dichloroethene	ND	0.04							
cis-1,2-Dichloroethene	ND	0.04							
Tetrachloroethene	ND	0.07							
trans-1,2-Dichloroethene	ND	0.04							
Trichloroethene	ND	0.05							
Vinyl chloride	ND	0.03							

<i>Surrogate: 4-Bromofluorobenzene</i>	6.236		7.15738		87.1	70 - 130			
--	-------	--	---------	--	------	----------	--	--	--

LCS (B6L0754-BS1)

Prepared: 12/19/2016 Analyzed: 12/19/2016

1,1-Dichloroethene	0.692756	0.04	0.792990		87.4	70 - 130			
cis-1,2-Dichloroethene	0.674279	0.04	0.792990		85.0	70 - 130			
Tetrachloroethene	1.13512	0.07	1.35650		83.7	70 - 130			
trans-1,2-Dichloroethene	0.693430	0.04	0.792990		87.4	70 - 130			
Trichloroethene	0.936905	0.05	1.07474		87.2	70 - 130			
Vinyl chloride	0.457807	0.03	0.511231		89.5	70 - 130			

<i>Surrogate: 4-Bromofluorobenzene</i>	7.010		7.15738		97.9	70 - 130			
--	-------	--	---------	--	------	----------	--	--	--

LCS Dup (B6L0754-BSD1)

Prepared: 12/19/2016 Analyzed: 12/19/2016

1,1-Dichloroethene	0.692914	0.04	0.792990		87.4	70 - 130	0.0229	20	
cis-1,2-Dichloroethene	0.676222	0.04	0.792990		85.3	70 - 130	0.288	20	
Tetrachloroethene	1.17853	0.07	1.35650		86.9	70 - 130	3.75	20	
trans-1,2-Dichloroethene	0.697395	0.04	0.792990		87.9	70 - 130	0.570	20	
Trichloroethene	0.951252	0.05	1.07474		88.5	70 - 130	1.52	20	
Vinyl chloride	0.459111	0.03	0.511231		89.8	70 - 130	0.284	20	

<i>Surrogate: 4-Bromofluorobenzene</i>	7.081		7.15738		98.9	70 - 130			
--	-------	--	---------	--	------	----------	--	--	--



Certificate of Analysis

AEI Consultants
2500 Camino Diablo
Walnut Creek , CA 94597

Project Number : Foothill Square, 365948
Report To : Jeremy Smith
Reported : 12/28/2016

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



WORK ORDER NUMBER: 16-12-2032

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Advanced Technology Laboratories

Client Project Name: 1604606

Attention: Rachelle Arada
3275 Walnut Street
Signal Hill, CA 90755-5225

Nicole Scott

Approved for release on 12/28/2016 by:
Nicole Scott
Project Manager

ResultLink ▶

Email your PM ▶

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



Contents

Client Project Name: 1604606
Work Order Number: 16-12-2032

1	Work Order Narrative.	3
2	Client Sample Data.	4
	2.1 EPA TO-15 SIM (Air).	4
3	Quality Control Sample Data.	6
	3.1 LCS/LCSD.	6
4	Summa Canister Vacuum Summary.	8
5	Sample Analysis Summary.	9
6	Glossary of Terms and Qualifiers.	10
7	Chain-of-Custody/Sample Receipt Form.	11

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/21/16. They were assigned to Work Order 16-12-2032.

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

Holding Times:

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

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

Quality Control:

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

Subcontractor Information:

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

Additional Comments:

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

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

Analytical Report

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90755-5225

Date Received: 12/21/16
Work Order: 16-12-2032
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 1604606

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
1604606-05 / IA-5	16-12-2032-1-A	12/13/16 08:30	Air	GC/MS KK	N/A	12/22/16 10:49	161221L02

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethene	ND	0.099	1.00	
c-1,2-Dichloroethene	ND	0.099	1.00	
t-1,2-Dichloroethene	0.15	0.099	1.00	
Tetrachloroethene	1.1	0.17	1.00	
Trichloroethene	0.43	0.13	1.00	
Vinyl Chloride	ND	0.026	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	45-153	
1,2-Dichloroethane-d4	107	37-163	
Toluene-d8	107	73-121	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
1604606-06 / IA-6	16-12-2032-2-A	12/13/16 08:33	Air	GC/MS KK	N/A	12/22/16 11:44	161221L02

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethene	0.27	0.099	1.00	
c-1,2-Dichloroethene	0.32	0.099	1.00	
t-1,2-Dichloroethene	0.56	0.099	1.00	
Tetrachloroethene	1.2	0.17	1.00	
Trichloroethene	0.45	0.13	1.00	
Vinyl Chloride	0.16	0.026	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	45-153	
1,2-Dichloroethane-d4	95	37-163	
Toluene-d8	107	73-121	

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

Analytical Report

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90755-5225

Date Received: 12/21/16
Work Order: 16-12-2032
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 1604606

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
1604606-07 / AMB-1	16-12-2032-3-A	12/13/16 08:53	Air	GC/MS KK	N/A	12/22/16 12:39	161221L02

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethene	ND	0.099	1.00	
c-1,2-Dichloroethene	ND	0.099	1.00	
t-1,2-Dichloroethene	ND	0.099	1.00	
Tetrachloroethene	ND	0.17	1.00	
Trichloroethene	ND	0.13	1.00	
Vinyl Chloride	ND	0.026	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	45-153	
1,2-Dichloroethane-d4	95	37-163	
Toluene-d8	102	73-121	

Method Blank	095-01-052-1720	N/A	Air	GC/MS KK	N/A	12/21/16 20:34	161221L02
--------------	-----------------	-----	-----	----------	-----	-------------------	-----------

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethene	ND	0.099	1.00	
c-1,2-Dichloroethene	ND	0.099	1.00	
t-1,2-Dichloroethene	ND	0.099	1.00	
Tetrachloroethene	ND	0.17	1.00	
Trichloroethene	ND	0.13	1.00	
Vinyl Chloride	ND	0.026	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	45-153	
1,2-Dichloroethane-d4	100	37-163	
Toluene-d8	97	73-121	

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

Quality Control - LCS/LCSD

Advanced Technology Laboratories
3275 Walnut Street
Signal Hill, CA 90755-5225

Date Received: 12/21/16
Work Order: 16-12-2032
Preparation: N/A
Method: EPA TO-15 SIM

Project: 1604606

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
095-01-052-1720	LCS	Air	GC/MS KK	N/A	12/21/16 18:50	161221L02				
095-01-052-1720	LCSD	Air	GC/MS KK	N/A	12/21/16 19:40	161221L02				
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,1-Trichloroethane	2.728	2.481	91	2.454	90	50-150	33-167	1	0-30	
1,1,2,2-Tetrachloroethane	3.433	2.684	78	2.875	84	50-150	33-167	7	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.832	3.447	90	3.838	100	50-150	33-167	11	0-30	
1,1,2-Trichloroethane	2.728	2.632	96	2.433	89	27-171	3-195	8	0-38	
1,1-Dichloroethane	2.024	1.819	90	2.046	101	50-150	33-167	12	0-30	
1,1-Dichloroethene	1.982	1.786	90	2.001	101	50-150	33-167	11	0-30	
1,1-Difluoroethane	1.351	1.329	98	1.333	99	50-150	33-167	0	0-30	
1,2,4-Trimethylbenzene	2.458	2.223	90	2.600	106	50-150	33-167	16	0-30	
1,2-Dichloroethane	2.024	1.785	88	1.997	99	28-166	5-189	11	0-40	
1,3,5-Trimethylbenzene	2.458	2.310	94	2.486	101	50-150	33-167	7	0-30	
4-Ethyltoluene	2.458	2.362	96	2.456	100	50-150	33-167	4	0-30	
Benzene	1.597	1.462	92	1.447	91	27-153	6-174	1	0-34	
Bromodichloromethane	3.350	3.076	92	2.990	89	50-150	33-167	3	0-30	
c-1,2-Dichloroethene	1.982	1.803	91	2.039	103	35-165	13-187	12	0-35	
Carbon Tetrachloride	3.146	2.673	85	2.637	84	7-187	0-217	1	0-31	
Chlorobenzene	2.302	1.867	81	1.969	86	50-150	33-167	5	0-30	
Chloroethane	1.319	1.237	94	1.330	101	50-150	33-167	7	0-30	
Chloroform	2.441	2.199	90	2.489	102	50-150	33-167	12	0-30	
Chloromethane	1.033	0.9489	92	0.9918	96	50-150	33-167	4	0-30	
Dibromochloromethane	4.259	3.439	81	3.939	92	50-150	33-167	14	0-30	
Dichlorodifluoromethane	2.473	2.213	90	2.267	92	50-150	33-167	2	0-30	
Ethylbenzene	2.171	1.984	91	1.962	90	27-153	6-174	1	0-46	
Hexachloro-1,3-Butadiene	5.333	3.120	58	3.685	69	50-150	33-167	17	0-30	
Methyl-t-Butyl Ether (MTBE)	1.803	1.580	88	1.785	99	50-150	33-167	12	0-30	
Methylene Chloride	1.737	1.425	82	1.580	91	50-150	33-167	10	0-30	
o-Xylene	2.171	2.086	96	2.190	101	22-160	0-183	5	0-48	
p/m-Xylene	4.342	4.106	95	4.312	99	21-165	0-189	5	0-51	
t-1,2-Dichloroethene	1.982	1.771	89	1.998	101	50-150	33-167	12	0-30	
Tetrachloroethene	3.391	2.817	83	3.148	93	34-154	14-174	11	0-33	
Toluene	1.884	1.551	82	1.754	93	28-154	7-175	12	0-42	
Trichloroethene	2.687	2.464	92	2.448	91	43-139	27-155	1	0-31	
Trichlorofluoromethane	2.809	2.579	92	2.788	99	50-150	33-167	8	0-30	
Vinyl Chloride	1.278	1.033	81	1.358	106	44-140	28-156	27	0-33	

Total number of LCS compounds: 33

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Advanced Technology Laboratories	Date Received:	12/21/16
3275 Walnut Street	Work Order:	16-12-2032
Signal Hill, CA 90755-5225	Preparation:	N/A
	Method:	EPA TO-15 SIM
Project: 1604606		Page 2 of 2

Total number of ME compounds: 0
Total number of ME compounds allowed: 2
LCS ME CL validation result: Pass


Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Summa Canister Vacuum Summary

Work Order: 16-12-2032

Page 1 of 1

Sample Name	Vacuum Out	Vacuum In	Equipment	Description
1604606-05 / IA-5	-29.50 in Hg	-1.00 in Hg	D886	Summa Canister 6L
1604606-06 / IA-6	-29.50 in Hg	-3.80 in Hg	D576	Summa Canister 6L
1604606-07 / AMB-1	-29.50 in Hg	0.50 psi	D797	Summa Canister 6L



Calscience

Sample Analysis Summary Report

Work Order: 16-12-2032

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA TO-15 SIM	N/A	460	GC/MS KK	2


Return to Contents

Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 16-12-2032

Page 1 of 1

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

ADVANCED TECHNOLOGY
LABORATORIES

SUBCONTRACT ORDER

Work Order: 1604606

16-12-2032

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachele Arada (Rachele@atlglobal.com)

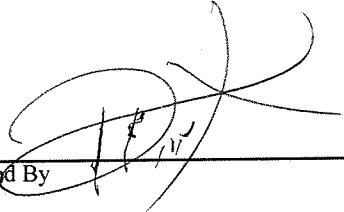
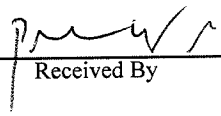
RECEIVING LABORATORY:

Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone : (714) 895-5494
Fax: (714) 894-7501
PO#: SC11153-RUSH TAT (RA)

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1604606-05 / IA-5 (1)		Air	12/13/16 08:30	Report PCE,TCE,Cis/trans-DCE,1,1-DCE, Vinyl Chloride (ug/m3).
TO15_C_SIM_UG/M3 [Volatile Organic Compounds in Air]	12/28/16 15:00	01/12/17 08:30		
ATL Lab#: 1604606-06 / IA-6 (2)		Air	12/13/16 08:33	
TO15_C_SIM_UG/M3 [Volatile Organic Compounds in Air]	12/28/16 15:00	01/12/17 08:33		
ATL Lab#: 1604606-07 / AMB-1 (3)		Air	12/13/16 08:53	
TO15_C_SIM_UG/M3 [Volatile Organic Compounds in Air]	12/28/16 15:00	01/12/17 08:53		

Return to Contents

Released By:  Date: 12/21/16
 Received By:  Date: 12/21/16 / 056

Released By: _____ Date: _____
 Received By: _____ Date: _____

SAMPLE RECEIPT CHECKLIST

COOLER 0 OF 0

CLIENT: ATL

DATE: 12/21/2016

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

Thermometer ID: SC3A (CF: 0.0°C); Temperature (w/o CF): _____ °C (w/ CF): _____ °C; Blank Sample

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

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

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

Ambient Temperature: Air Filter

Checked by: 836

CUSTODY SEAL:

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

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

Checked by: 836

Checked by: 836

SAMPLE CONDITION:

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

CONTAINER TYPE: (Trip Blank Lot Number: _____)

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

125PB_z_{na} 250AGB 250CGB 250CGB_s 250PB 250PB_n 500AGB 500AGJ 500AGJ_s

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

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

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

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

Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Labeled/Checked by: 836

s = H₂SO₄, u = ultra-pure, x = Na₂SO₃+NaHSO₄.H₂O, z_{na} = Zn (CH₃CO₂)₂ + NaOH Reviewed by: 836

Return to Contents

CHAIN OF CUSTODY RECORD

Instruction: Complete all shaded areas.

Method of Transport		Sample Conditions Upon Receipt							
		Condition		Y	N	Condition		Y	N
<input type="checkbox"/> Client	<input type="checkbox"/> ATL	1. CHILLED	<input type="checkbox"/>	<input type="checkbox"/>		5. # OF SAMPLES MATCH COC	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> FedEx	<input checked="" type="checkbox"/> OnTrac	2. HEADSPACE (VOA)	<input type="checkbox"/>	<input type="checkbox"/>		6. PRESERVED	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> GSO		3. CONTAINER INTACT	<input type="checkbox"/>	<input type="checkbox"/>		7. COOLER TEMP, deg C:			
<input type="checkbox"/> Other: _____		4. SEALED	<input type="checkbox"/>	<input type="checkbox"/>					

CUSTOMER	Company: AEI Consultants	Address: 2500 Camino Diablo	Tel: 925-746-6000	
	City: Walnut Creek	State: CA	Zip: 94597	
	SEND REPORT TO:		SEND INVOICE TO: <input type="checkbox"/> same as SEND REPORT TO	
	Attn: Jeremy Smith	Email: jasmith@aeiconsultants.com	Attn: Same w/ CC: accounts payable@aeiconsultants.com	Email:
Company: AEI	Company:			
Address:	Address:			
City:	State:	Zip:	City:	

PROJECT SAMPLES	Project Name: Foothill Square	Quote No:	Special Instructions/Comments:	Encircle or Write Requested Analysis										Encircle Sample Matrix				Container	QA/QC						
	Project No.: 365948	PO #: 123336		8260 / 624 (Volatiles)	8015 (GRO)	8015 (DRO)	8270 (Semi-volatiles)	8081 (Organochlorine Pesticides)	8082 (PCBs)	6010 / 7000 (Title 22 Metals)	TO-15	SIM ↑ PCE/TCE, V. Chloroform cis/trans-DCE				SOIL / SEDIMENT / SLUDGE	WATER - DRINKING / GROUND	WATER - STORM / WASTE	AQUEOUS / LAYERED - OIL	TAT	#	Type: 1=Tube; 2=VOA; 3=Liter; 4=Pin; 5=Jar; 6=Bedbar; 7=Canister	Material: 1=Glass; 2=Plastic; 3=Metal	Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=CC; 5=Zn (Acid); 6=NaOH; 7=HAAS303	<input type="checkbox"/> Routine <input type="checkbox"/> Caltrans <input type="checkbox"/> Legal <input type="checkbox"/> RWQCB <input type="checkbox"/> Level IV
	Sampler: Jeremy Smith																								
	ITEM	Lab No.	Sample Description	Date	Time																				
		Sample ID / Location																							
1	1604606-1	IA-1	12-13-16	838							X														
2	2	IA-2		839							X														
3	3	IA-3		848							X														
4	4	IA-4		829							X														
5	5	IA-5		830							X														
6	6	IA-6		833							X														
7	7	AMB-1		853							X														
8																									
9																									
10																									

- Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
- Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
- The following turnaround time conditions apply:
 - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
 - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
 - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
 - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
 - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
 - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
- Weekend, holiday, after-hours work - ask for quote.
- Subcontract TAT is 10 - 11 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract. Ask for quote.
- Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
- Electronic records maintained for five (5) years from report date.
- Hard copy reports will be disposed of after 45 calendar days from report date.
- Storage and Report Fees:
 - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
 - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/ sample/week if extended storage is requested.
 - Hard copy and regenerated reports/EDDs: \$17.50 per hard copy report requested; \$50.00 per regenerated/reformed report; \$35 per reprocessed EDD.
- Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
- Unanalyzed samples will incur a disposal fee of \$7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Jeremy Smith (Signature)
Submitter Print Name

[Signature] (Signature)
Signature

Relinquished by: (Signature and Printed Name) Jeremy Smith	Date: 12-13-16	Time: 1200	Received by: (Signature and Printed Name) C. Aguilera	Date: 12/14/16	Time: 1100
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

APPENDIX L - BUILDING SURVEY FORM

Preparer's Name: Jeremy Smith Date/Time Prepared: 12-12-16 3:00
Affiliation: AEI Consultants Phone Number: 925-746-6000

Occupant Information

Occupant Name: Vacant Interviewed: Yes No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Owner/Landlord Information (Check if same as occupant)

Occupant Name: Jay Phorus Corp Interviewed: Yes No
Mailing Address: 10700 MacArthur Blvd
City: Oakland State: CA Zip Code: _____
Phone: _____ Email: _____

Building Type (Check appropriate boxes)

- Residential Residential Duplex Apartment Building Mobile Home Commercial (office)
 Commercial (warehouse) Industrial Strip Mall Split Level Church School

Building Characteristics

Approximate Building Age (years): 55 Number of Stories: 1-2
Approximate Building Area (square feet): 6,000 Number of Elevators: - 0 at site
- 1 adjacent

Foundation Type (Check appropriate boxes)

- Slab-on-Grade Crawl Space Basement

Basement Characteristics (Check appropriate boxes) N/A

- Dirt Floor Sealed Wet Surfaces Sump Pump Concrete Cracks Floor Drains

Factors Influencing Indoor Air Quality

- | | | |
|--|---|---|
| Is there an attached garage? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is there smoking in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is there new carpet or furniture? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Describe: _____ |
| Have clothes or drapes been recently dry cleaned? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Describe: _____ |
| Has painting or staining been done with the last six months? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Describe: <u>Remodel</u> |
| Has the building been recently remodeled? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Describe: <u>Partitioned wall installed</u> |
| Has the building ever had a fire? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is there a hobby or craft area in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Describe: _____ |
| Is gun cleaner stored in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is there a fuel oil tank on the property? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is there a septic tank on the property? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Has the building been fumigated or sprayed for pests recently? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Describe: _____ |
| Do any building occupants use solvents at work? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Describe: _____ |

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.

See Site Plan

Primary Type of Energy Used (Check appropriate boxes)

Natural Gas Fuel Oil Propane Electricity Wood Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

Cool - 50s/60s ; Partly Sunny ; Wind from east

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

- HVAC System operational during Sampling.
- Door generally closed - vacant space
- Recently remodelled → New partitioned wall installed

APPENDIX L - BUILDING SURVEY FORM

Preparer's Name: Jeremy Smith Date/Time Prepared: 12-12-16 3:00
Affiliation: AEI Consultants Phone Number: 925-746-6000

Occupant Information

Occupant Name: Rainbow Apparel Interviewed: Yes No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Owner/Landlord Information (Check if same as occupant)

Occupant Name: Jay Pharis Corp Interviewed: Yes No
Mailing Address: 10700 MacArthur Blvd.
City: Oakland State: _____ Zip Code: _____
Phone: _____ Email: _____

Building Type (Check appropriate boxes)

- Residential Residential Duplex Apartment Building Mobile Home Commercial (office)
 Commercial (warehouse) Industrial Strip Mall Split Level Church School

Building Characteristics

Approximate Building Age (years): 55 Number of Stories: 1-2
Approximate Building Area (square feet): 8,485 Number of Elevators: 0 at Site
1 adjacent

Foundation Type (Check appropriate boxes)

- Slab-on-Grade Crawl Space Basement

Basement Characteristics (Check appropriate boxes) N/A

- Dirt Floor Sealed Wet Surfaces Sump Pump Concrete Cracks Floor Drains

Factors Influencing Indoor Air Quality

- | | |
|--|---|
| Is there an attached garage? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is there smoking in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is there new carpet or furniture? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Have clothes or drapes been recently dry cleaned? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Has painting or staining been done with the last six months? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Has the building been recently remodeled? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Has the building ever had a fire? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is there a hobby or craft area in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Is gun cleaner stored in the building? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is there a fuel oil tank on the property? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is there a septic tank on the property? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Has the building been fumigated or sprayed for pests recently? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |
| Do any building occupants use solvents at work? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____ |

Sampling Locations

Draw the general floor plan of the building and denote locations of sample collection. Indicate locations of doors, windows, indoor air contaminant sources and field instrument readings.

See Site Plan

Primary Type of Energy Used (Check appropriate boxes)

Natural Gas Fuel Oil Propane Electricity Wood Kerosene

Meteorological Conditions

Describe the general weather conditions during the indoor air sampling event.

Cool 50s/60s; Partly Cloudy; wind from the east

General Comments

Provide any other information that may be of importance in understanding the indoor air quality of this building.

HVAC System not on during Sampling; operated on an "As Needed" Basis.
- Store open during Sampling - Doors open when Customers Come in.

APPENDIX M – BUILDING SCREENING FORM

Occupant of Building Vacant / Rainbow Apparel
 Address 10700 MacArthur Blvd.
 City Oakland, CA
 Field Investigator Jeremy Smith Date 12-12-16

Field Instrument Reading	Measurement Location (Ambient Air, Foundation Opening, or Consumer Product)	If Consumer Product, Potential Volatile Ingredients
<1	IA-1	—
<1	IA-2	—
<1	IA-3	—
<1	IA-4	—
<1	IA-5	—
<1	IA-6	—

Comments: —
