WEINGARTEN REALTY

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RECEIVED
By Alameda County Environmental Health 2:50 pm, Apr 15, 2016

Mr. Gabe Stivala, P.G
Cardno ATC
701 University Drive Suite 701
Sacramento, CA 95825

Subject: **Sub-Slab Vapor and Indoor Air Assessment Report**
580 Market Place Shopping Center
Alameda County LOP No. RO 3097

Dear Mr. Stivala:

I have reviewed and approved the subject report. Please submit it to the regulatory agencies listed in the distribution section of the report. Should any of the agencies require it, I am prepared to declare, under penalty of perjury, that to the best of my knowledge, the information contained in the report is true and correct.

Sincerely,

Charles Gurney

Weingarten Realty Investors

2600 Citadel Plaza Drive, Suite 300

Houston, Texas 77008

Date: 4/15/16

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

1117 Lone Palm Avenue
Suite 201B
Modesto, California 95351

April 14, 2016

Ms. Karel Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

SUBJECT **Sub-Slab Vapor and Indoor Air Assessment Report**
Dry Clean 580 and Adjacent Retail Units
3735 East Castro Valley Boulevard
Alameda County LOP No. RO 3097

Dear Ms. Detterman:

On behalf of Weingarten Realty Investors (Weingarten), ATC Group Services (ATC) conducted sub-slab vapor and indoor and outdoor air assessment at the subject site and two adjacent retail units. This Sub-Slab Vapor and Indoor Air Assessment Report summarizes the sub-slab well installation, sub-slab vapor sampling, and indoor and outdoor air sampling performed at the site. The work was conducted in general accordance with ATC's *Indoor Air Quality Assessment and Additional Sub-Slab Work Plan* (Scope of Work) emailed to Alameda County Environmental Health (ACEH) on October 31, 2014 (ATC, 2014a) and later submitted to ACEH on December 19, 2014 and the *Sub-Slab Vapor and Indoor Air Assessment Work Plan Addendum* (Work Plan), dated December 5, 2014 (ATC, 2014b). The Work Plan was revised in response to the ACEH directive letter dated November 17, 2014 for the Scope of Work. The ACEH approved in the Scope of Work and Work Plan, upon contingent submittals, in an electronic correspondence dated January 8, 2015. The ACEH requested an additional round of sampling using the 2014 work plan in correspondence dated January 14, 2016.

SITE DESCRIPTION

The site is located in the 580 Market Place Shopping Center in Castro Valley, California (Figure 1). An extended Site Plan illustrating the layout of pertinent areas of the shopping center is shown on Figure 2. The assessment targets

include the Dry Clean 580 facility, the adjacent Verizon and AT&T retail outlets, and the parking lot southeast of the buildings.

PRIOR INVESTIGATION

On March 4, 2015, ATC installed 6 sub-slab vapor wells at the site using Vapor Pin™ devices distributed by Cox-Colvin & Associates, Inc. (Cox-Colvin). In the Dry Clean 580 unit 4 sub-slab Vapor Pins (SS-1R, SS-2, SS-3 and SS-4) were installed and one sub-slab Vapor Pin was installed in each of the adjacent units, Verizon (SSV-1) and AT&T (SSA-1). Sub-slab well SS-1R, in the Dry Clean 580 unit is the replacement well for the former sub-slab well, SS3. ATC then purged and sampled sub-slab vapor wells SS-1R, SS-2 through SS-4, SSV-1 and SSA-1. Indoor air and ambient outdoor air sampling was conducted concurrently with subslab sampling.

APPLICABLE SCREENING LEVELS

For the sub-slab vapor investigation, ATC compared the analytical results to San Francisco Bay Regional Water Quality Control Board's Summary Table E3, 2016 Environmental Screening Levels (ESLs) for Commercial/Industrial Soil Vapor (CRWQCB-SFB, 2016). This is a change from the prior report, which used the 2013 ESLs for Commercial/Industrial Indoor Air (CRWQCB-SFB, 2013) and a default attenuation factor of 0.05. For the indoor air investigation, ATC used the ESLs for Commercial/Industrial Indoor Air, the California Department of Toxic Substance Control (DTSC) Human Health Risk Assessment (HHRA) HERO Health Note Number 5, dated August 23, 2014, and United States Environmental Protection Agency (EPA) Region 9 Interim TCE Indoor Air Response Action Levels for Commercial TCE Inhalation Exposure from Vapor Intrusion (EPA, 2014).

SUB-SLAB VAPOR ASSESSMENT

The sub-slab vapor assessment was conducted in general accordance with the Scope of Work (ATC, 2014a) and Work Plan (ATC, 2014b), a site-specific safety plan, and applicable regulatory guidelines under the advisement of a professional geologist. Well locations are shown on Figure 2.

On February 24, 2016, ATC and drilling and sampling contractor TEG purged and sampled sub-slab vapor wells SS-1R, SS-2 through SS-4, and SSA-1. A duplicate sample was collected from well SS-1R. A purge volume test was not performed on the wells because the volume of the Summa™ canister is several times greater than the volume of the sub-slab vapor well system (vapor pin and tubing). To avoid extensive purging, ATC applied the three volume default purge from each sub-slab well prior to sample collection. Wet bentonite was packed around the top of each sub-slab sampling point prior to purging and sampling to improve the seal of the vapor pins with the surrounding concrete slab floor.

To assess potential leaks in the sampling equipment, a purging and sampling manifold was connected to each well prior to purging and sampling. ATC then applied a vacuum of approximately 15 to 22 inches of mercury (in Hg) to the sample collection system. The sampling manifold and tubing held the applied vacuum for five minutes at each well.

To further assess the potential for leaks in the vapor pin system, a shroud was placed over the well. Helium was introduced into the shroud and maintained at a constant concentration (approximately 10%), as measured on a helium meter. Real-time helium screening was performed in the field by drawing sub-slab vapor from the well into a helium meter. The concentration of helium in the sample divided by the concentration of helium in the shroud provides a measure of the proportion of the sample attributable to leakage. Leaked air that comprises less than 5% of the sample is considered insignificant (DTSC, 2012). Helium was detected in one pre-sample screening at SS-2, indicating there was a slight leak in the vapor pin system or sampling tubing; the sample manifold was checked for tightness and the vapor pin seal was reinforced with additional hydrated bentonite, and a subsequent check for helium in the sampling train was negative.

Laboratory Analyses

ATC submitted sub-slab vapor samples for analysis to H&P Mobile Geochemistry, a California state-certified laboratory, under COC protocol. Laboratory analytical reports are included in Appendix A. Sub-slab vapor analytical results and methods are summarized in Tables 1A through 1D.

Results

The leak detection compound (helium) was not detected in samples from the sub-slab wells.

- PCE was reported at 410 µg/m³ (SS-1R), 140 µg/m³ (SS-3), 810 µg/m³ (SS-4), 87 µg/m³ (SSA-1), and 450 µg/m³ (SSV-1), below the February 2016 commercial/industrial ESL (2,100 µg/m³).
- TCE was previously reported at 62 µg/m³ in SS-4, which was above the sub-slab guidance concentration (60 µg/m³) as calculated using the 2013 commercial/industrial indoor air ESL (3.0 µg/m³) and an attenuation factor of 0.05. This calculated ESL is no longer applicable under the 2016 ESLs, which list the ESL for subslab TCE in industrial/commercial environments at (3,000 µg/m³).
- HVOCs were detected in the sub-slab vapor samples, including vinyl chloride, carbon tetrachloride, chloroform, and chloromethane (among others). Concentrations were reported below their respective 2016 ESLs..
- Petroleum hydrocarbons including MTBE, BTEX, naphthalene, ethanol, and other VOCs, were also reported at concentrations below their respective 2016 ESLs.

INDOOR AND OUTDOOR AIR SAMPLING – DRYCLEAN 580, VERIZON, AND AT&T UNITS

Pre-Sampling Activities

ATC negotiated access with each of the unit owners and tenants of Dryclean 580 unit, and the two adjacent buildings, the Verizon and AT&T units.

Unit Inspection and Survey

On February 24, 2016, a unit inspection and chemical inventory survey was conducted to identify consumer and household products such as, cleaners, aerosol deodorants and similar products that may contain volatile compounds that could interfere with the sample analysis, and to identify sample locations for the indoor and outdoor background air quality assessment.

Identification and Removal of Chemical Products

During the meeting with the tenants of Dryclean 580, Verizon and AT&T units on February 25, 2015, ATC conducted a visual inventory of the products stored in the units that could affect the indoor air results. The tenants were provided instructions regarding removal of products or storage and nonuse of products and chemicals, until completion of the assessment. ATC identified numerous chemical products (spot removers, etc.) stored in the Dryclean 580 unit. The products were surveyed, removed from the active dry cleaning area, and stored in airtight plastic containers. Two 5-gallon drums of the main dry cleaning product (Exxon 2000) is used during the entire business day and could not be removed.

HVAC System Evaluation

ATC attempted to identify and evaluate how the respective HVAC units were operated before and during the sample event. The operator of the Dryclean 580 unit indicated that he does not operate the HVAC unit. The back door near the dry cleaning equipment is left open during business hours. The tenants in the Verizon and AT&T units indicated that they did not know the specifications of the HVAC units and do not change thermostat or run-time settings.

Air Sample Collection

The indoor air, outdoor air, and quality assurance (QA) samples were collected in 6-liter Summa™ canisters that were supplied and individually-certified clean by the analytical laboratory. Each canister was fitted with a regulator that was individually-certified clean and was calibrated by the laboratory to ensure air sample collection over a 24-hour period. The initial vacuum of each canister was verified to be between 25 and 30 inches of mercury. Indoor and Outdoor air sampling locations are shown on Figure 2. Air samples were collected at the following locations:

- From March 2 to March 3, 2016, two indoor air samples (IA1 and IA2) were collected from DryClean 580. Samples were collected at 4 to 5 feet above the floor in the central area of the building and southeast area of the building (Figure 2).
- From March 2 to March 3, 2016, two indoor air samples (IAV1 and IAV2) were collected from the Verizon unit. Samples were collected at 4 to 5 feet above the floor in the customer service area of the building and southeast corner of the building (Figure 2).
- From March 2 to March 3, 2016, one indoor air sample (IAA1) was collected from the AT&T unit. The sample was collected at 4 to 5 feet above the floor in southeast corner of the building (Figure 2).
- From March 2 to March 3, 2016, one outdoor air sample was collected 10 feet above ground level. The sample (OA1) was collected on the southeastern side of the building, behind all three units.
- Final canister vacuums were 3 to 6 inches of mercury upon termination of sampling.

The air samples were identified using the following designation system:

- IA indicates the sample matrix is indoor air.
- OA indicates the sample matrix is outside air.
- DUP indicates a duplicate sample.

Results from these events are summarized in Tables 2A through 2D.

Indoor Air Sampling Results – DryClean 580

Laboratory analytical results for this event are summarized in Tables 2A through 2D and select results are illustrated on Figures 3 through 9. The analytical results from the indoor air samples collected between March 2, and March 3, 2016:

- TCE was reported in indoor air at concentrations ranging from below detection range (<1.4 µg/m³) to 3.3 µg/m³), which exceed the ESL (3.0 µg/m³). The concentrations do not exceed the Interim TCE indoor air response action levels for urgent response (21 and 24 µg/m³) or accelerated response (7 and 8 µg/m³).

- PCE was reported at concentrations ranging from 19 µg/m³ (IA1) to 7.2 µg/m³ (IA2), which exceed the ESL (2.1 µg/m³).
- Carbon tetrachloride was reported in indoor air at concentrations below the method detection limit (MDL) of 0.64 µg/m³, which appears elevated due to other compounds interfering. The MDL exceeds the ESL (0.29 µg/m³).
- TPHg was reported at 640 µg/m³ (IA1) and 560 µg/m³ (IA2), which do not exceed the ESL (2,500 µg/m³).
- Benzene was reported at concentrations ranging from 0.38 µg/m³ (IA1) to 0.41 µg/m³ (IA2), which approach but do not exceed the ESL (0.42 µg/m³).
- TCA, chloroform, and chloromethane (among other HVOCs and VOCs) were reported in the indoor air samples from the Dryclean 580 unit at concentrations below their respective ESLs and Action Levels.

Indoor Air Sampling Results – Adjacent Units

Laboratory analytical results for this event are summarized in Tables 2A through 2D and select results are illustrated on Figure 3 through 9. The analytical results from the indoor air samples collected on March 3, 2016 indicated that:

- PCE was reported at concentrations ranging from less than 0.69 µg/m³ (IAA1) to 3.3 µg/m³ (IAV1). The concentration found in IAV1 exceeds the ESL (2.1 µg/m³).
- TPHg was reported above the laboratory reporting limit at concentrations of 210 µg/m³ in sample IAV1, and 150 µg/m³ in sample IAA1. These concentrations are below the ESL (2,500 µg/m³).
- Benzene was reported at concentrations ranging from 0.36 µg/m³ in sample IAA1 to 0.45 µg/m³ in sample IAV2, near and above the ESL (0.42 µg/m³).
- Carbon tetrachloride was reported in indoor air at concentrations ranging from 0.55 to 0.64 µg/m³, which exceed the ESL (0.29 µg/m³).
- TCE, TCA, chloroform, and chloromethane (among other HVOCs and VOCs) were reported in the indoor air samples from the adjacent units at concentrations below their respective ESLs and Action Levels.

Outdoor Air Sampling Results

The analytical results from the outdoor air samples collected on March 3, 2016 indicated that:

- TPHg was not reported above the laboratory reporting limit.
- Benzene was reported at a concentration of 0.25 µg/m³. The reported background outdoor air concentration for benzene does not exceed the ESL.
- Carbon tetrachloride was reported at a concentration of 0.57 µg/m³. The reported background outdoor air concentration for carbon tetrachloride exceeds the ESL.
- Toluene (among other HVOCs and VOCs) were reported at concentrations above laboratory reporting limits.

Background Outdoor Air Quality

ATC obtained outdoor air quality data from the Bay Area Air Quality Management District (BAAQMD) for two stations nearest to the site. The BAAQMD stations providing data are located in East Oakland and Livermore, California. Air quality data for select VOCs and HVOCs from February 2010 through December 2014 are summarized on Tables 2A through 2C.

The background outdoor air quality data indicate the following:

- The average background concentrations for methylene chloride (0.65 µg/m³, 0.70 µg/m³) are higher than the reported concentrations in the indoor air samples.
- The average background PCE concentrations reported regionally (0.11 µg/m³, 0.17 µg/m³) were similar to the reported indoor air concentrations (3.3 µg/m³).
- The average regional TCE concentrations (0.01 µg/m³, 0.05 µg/m³) are less than the on-site indoor air concentrations (<0.55 µg/m³ to 19 µg/m³).
- The average regional carbon tetrachloride concentrations (0.67 µg/m³) are higher than the reported indoor air concentrations (0.41 µg/m³ to 0.46 µg/m³). The carbon tetrachloride concentration in the outdoor air sample (0.57 µg/m³) is similar to the reported indoor air concentrations.

CONCLUSIONS AND RECOMMENDATIONS

The purpose of the work was to conduct and additional round of sampling and analysis to assess concentrations of HVOCs and fuel hydrocarbons in sub-slab soil vapor beneath the commercial units and indoor air evaluate potential risks to tenants, workers, or patrons posed by potential intrusion of soil vapor to indoor air.

Based on the results of the current investigation, ATC concludes the following:

- HVOCs are present in sub-slab vapor, including methylene chloride, PCE, and TCE (among other compounds) in concentrations similar to those found in the 2015 sampling event. Of these compounds PCE concentrations increased in all locations, but do not exceed the 2016 ESL, though they do exceed the sub-slab guidance concentration as calculated using the 2013 commercial/industrial indoor air ESLs and an attenuation factor of 0.05. Reported concentrations for all other compounds were below their respective 2016 ELSs. Petroleum hydrocarbons including MTBE, BTEX, naphthalene, and ethanol are present in sub-slab vapor. Reported concentrations did not exceed their respective 2016 ESLs for soil vapor at commercial/industrial facilities.
- HVOCs, including methylene chlorine, PCE, TCE (among other compounds) were present in reportable concentrations in the indoor air samples. Of these compounds, only TCE slightly exceeded the commercial and industrial ESL at the Dryclean 580 location, while PCE, carbon tetrachloride, and chloroform exceeded ESLs at the Verizon location, and PCE exceeded ESLs at the AT&T location. However, TCE concentrations did not exceed the TCE Health Risk screening level (DTSC 2014) or the Interim Health Risk Urgent Action Screening Level. PCE and TCE Method Detection Limits decreased to below ESLs, but detected TCE increased in the Dry Clean business.
- Reported HVOC concentrations in indoor air are below or similar to the background concentrations reported by the BAAQMD for the nearest monitoring stations (East Oakland, Livermore, California), similar to concentrations reported in 2015.
- Reported carbon tetrachloride concentrations in indoor air are below concentrations reported in the outdoor air sample and background outdoor air samples reported by the BAAQMD, similar to concentrations reported in 2015.
- Benzene concentrations in indoor air were below or similar to concentrations in the outdoor air sample and background outdoor air reported by the BAAQMD, similar to concentrations reported in 2015.

ATC concludes that the current indoor air quality at the Dry Clean 580 facility and adjacent units is broadly similar to the air quality measured in February 2015, and does not pose a specific and immediate health risk to commercial occupants or patrons. ATC recommends an additional sampling event during third quarter 2016 to evaluate potential seasonal variations and also recommends additional evaluation of the HVAC systems in the respective commercial units.

LIMITATIONS

For documents cited that were not generated by ATC, the data taken from those documents is used "as is" and is assumed to be accurate. ATC does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents. This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Mr. Gabe Stivala, ATC's Senior Project Manager for this site, at (916) 923-1097 or at gabe.stivala@atcassociates.com or with any questions regarding this report.

Sincerely,

James Kundert
Staff Geologist
for ATC Group Services
209 579 2221
Email: jim.kundert@atcasociates.com

Gabe Stivala
Senior Project Manager
for ATC Group Services
916 724 5247
Email: gabe.stivala@atcassociates.com

Enclosures:

References

Acronym List

Figure 1	Site Vicinity Map
Figure 2	Generalized Site Plan
Figure 3	PCE Concentrations in Sub-Slab Vapor and Indoor Air
Figure 4	TCE Concentrations in Sub-Slab Vapor and Indoor Air
Figure 5	DCE Concentrations in Sub-Slab Vapor and Indoor Air
Figure 6	Naphthalene Concentrations in Sub-Slab Vapor and Indoor Air
Figure 7	TPHg Concentrations in Sub-Slab Vapor and Indoor Air
Figure 8	Benzene Concentrations in Sub-Slab Vapor and Indoor Air
Figure 9	Vinyl Concentrations in Sub-Slab Vapor and Indoor Air
Table 1A	Sub-Slab Soil Vapor Analytical Results
Table 1B	Additional Sub-Slab Soil Vapor Analytical Results
Table 1C	Additional Sub-Slab Soil Vapor Analytical Results
Table 1D	Additional Sub-Slab Soil Vapor Analytical Results
Table 2A	Indoor Air and Outdoor Air Analytical Results
Table 2B	Additional Indoor Air and Outdoor Air Analytical Results
Table 2C	Additional Indoor Air and Outdoor Air Analytical Results
Table 2D	Additional Indoor Air and Outdoor Air Analytical Results
Appendix A	Laboratory Analytical Reports

REFERENCES

California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFB). December 2013. *Screening for Environmental Concerns at Sites with Indoor Air and Soil Gas*.

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ATC. December 5, 2014. *Sub-Slab Vapor and Indoor Air Assessment Work Plan Addendum, 580 Market Place Shopping Center, Castro Valley, California, Alameda County LPO Order No. 3097.*

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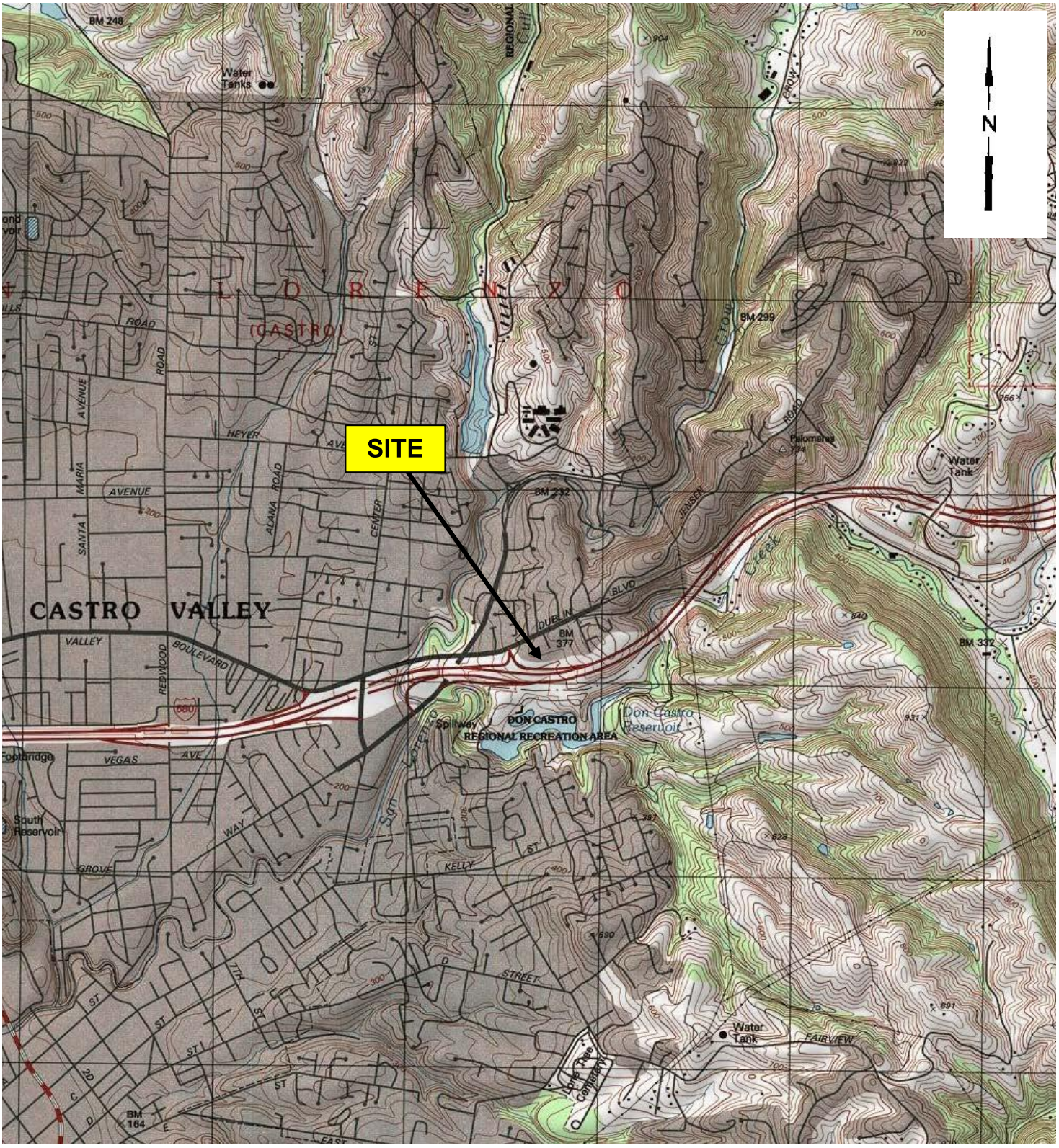
United States Environmental Protection Agency. July, 2014. *EPA Region 9 Response Action Levels and Recommendations to Address Near-term Inhalation Exposures to TCE in Air from Subsurface Vapor Intrusion.*

ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
CASTRO VALLEY QUADRANGLE, CALIFORNIA, DATED 1968, PHOTOREVISED 1987.

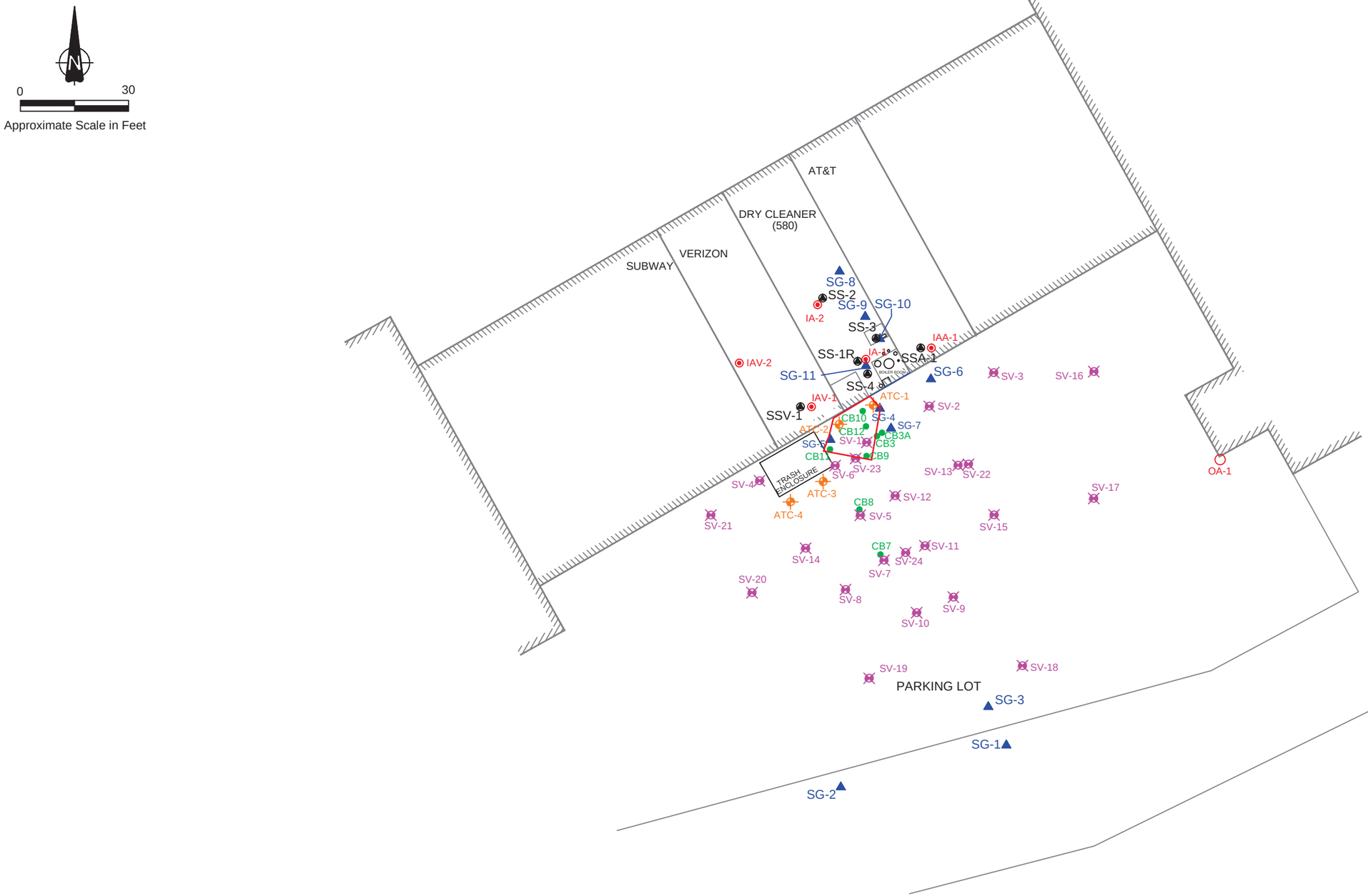
FIGURE 1

SITE VICINITY MAP

580 MARKET PLACE SHOPPING CENTER
3735-4065 EAST CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA 94552

Cardno ATC
Shaping the Future
1117 Lone Palm Ave, Ste 201B
Modesto, CA 95351
(209) 579-2221

PROJECT NO: 075.75356.0002		
DESIGNED BY: JK	SCALE: 1:24,000	REVIEWED BY: JH
DRAWN BY: JK	DATE: 10/12	FILE: LOCATION



LEGEND			
SS-4	Sub-Slab Vapor Wells	PCE	Tetrachloroethene
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

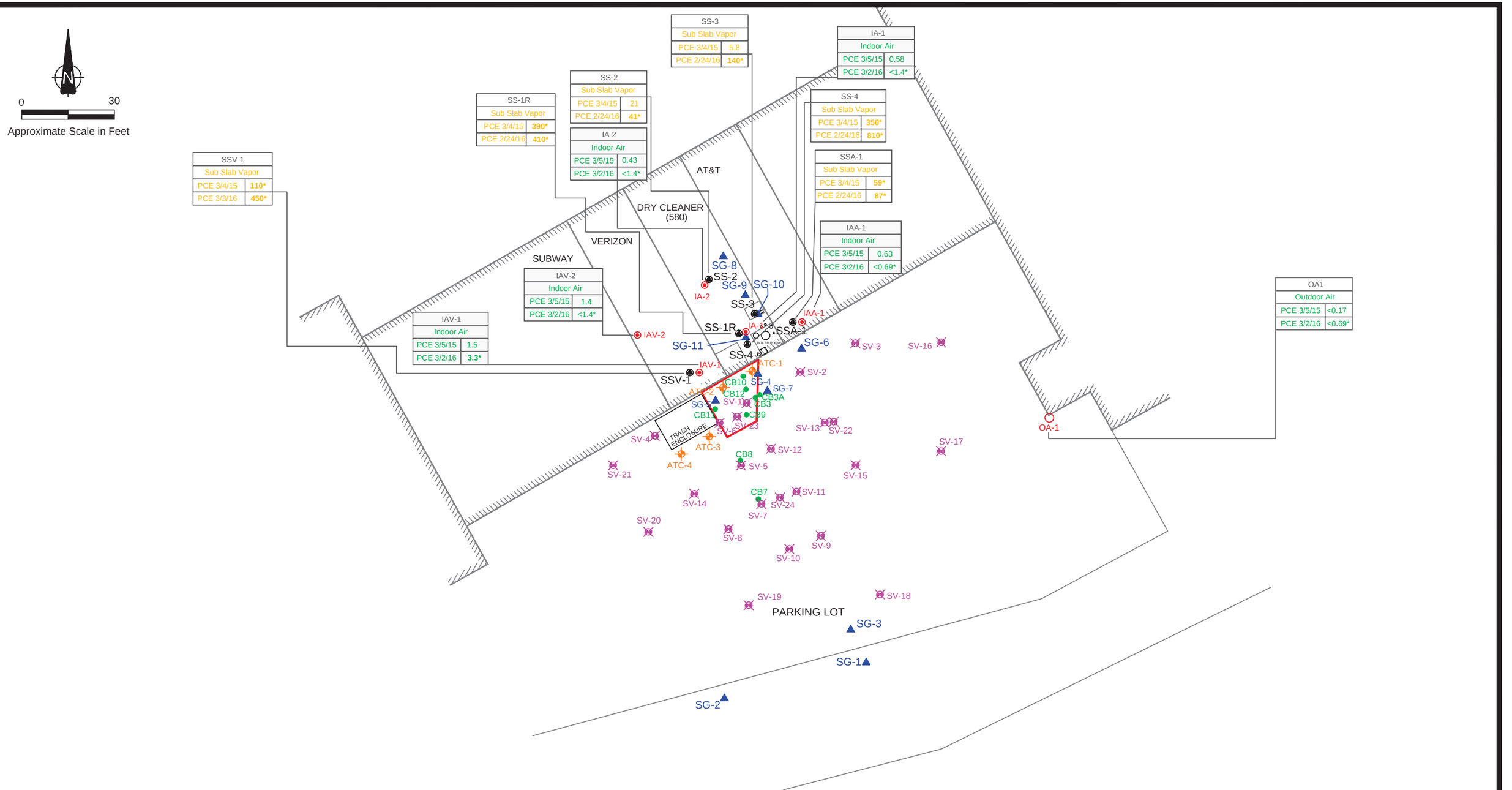
NOTES

SITE PLAN

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 02/01/2016	FIGURE 2
APPROVED BY: AH		DRAWN BY: CC	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	PCE	Tetrachloroethene
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for PCE by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for PCE by EPA test method TO-15 SIM

Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

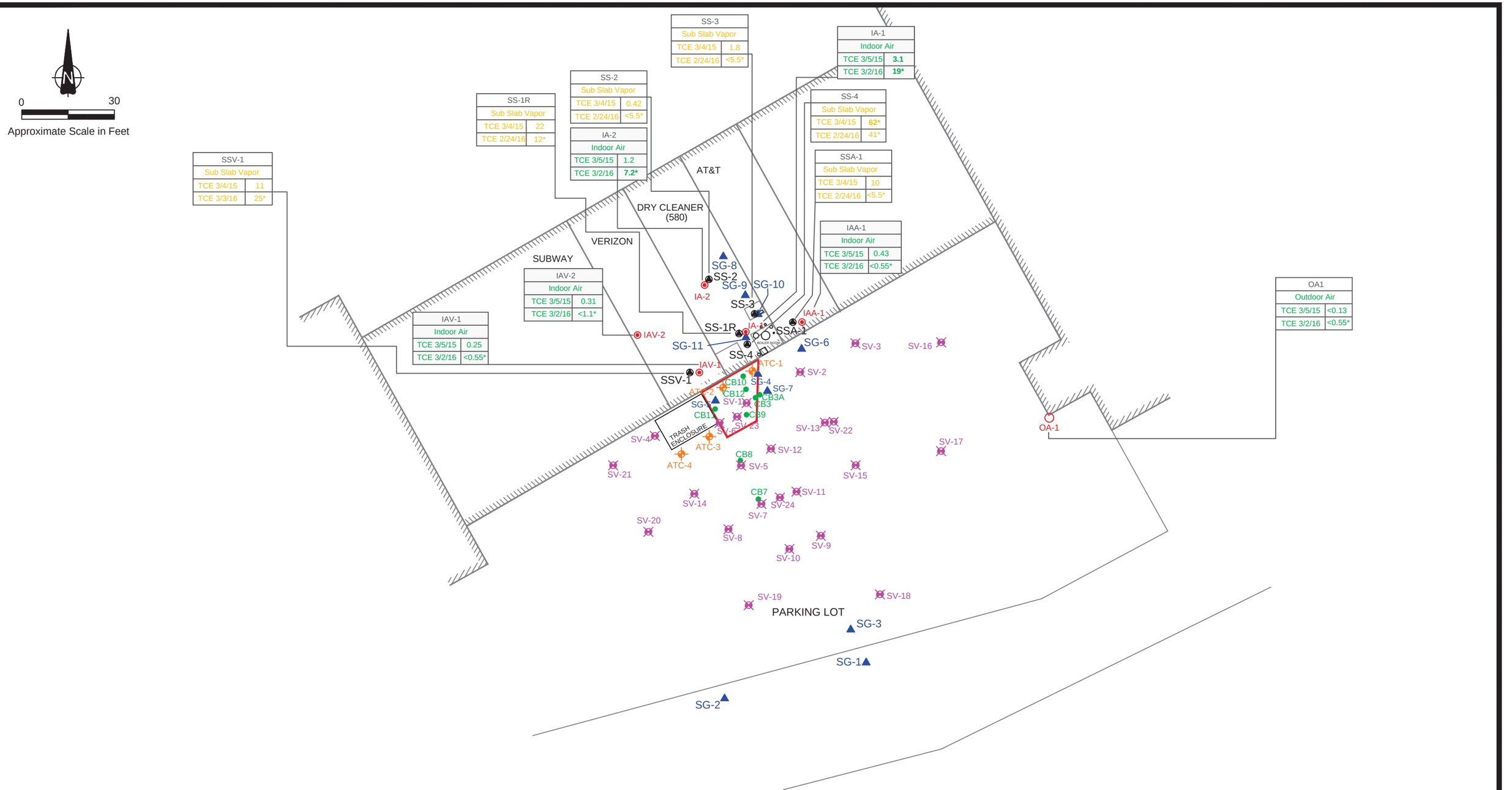
* Analyzed by EPA test method TO-15

SITE PLAN WITH ANALYTICAL DATA PCE

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE PCE
APPROVED BY: AH		DRAWN BY: JB	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	TCE	Trichloroethene
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for TCE by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for TCE by EPA test method TO-15 SIM

Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

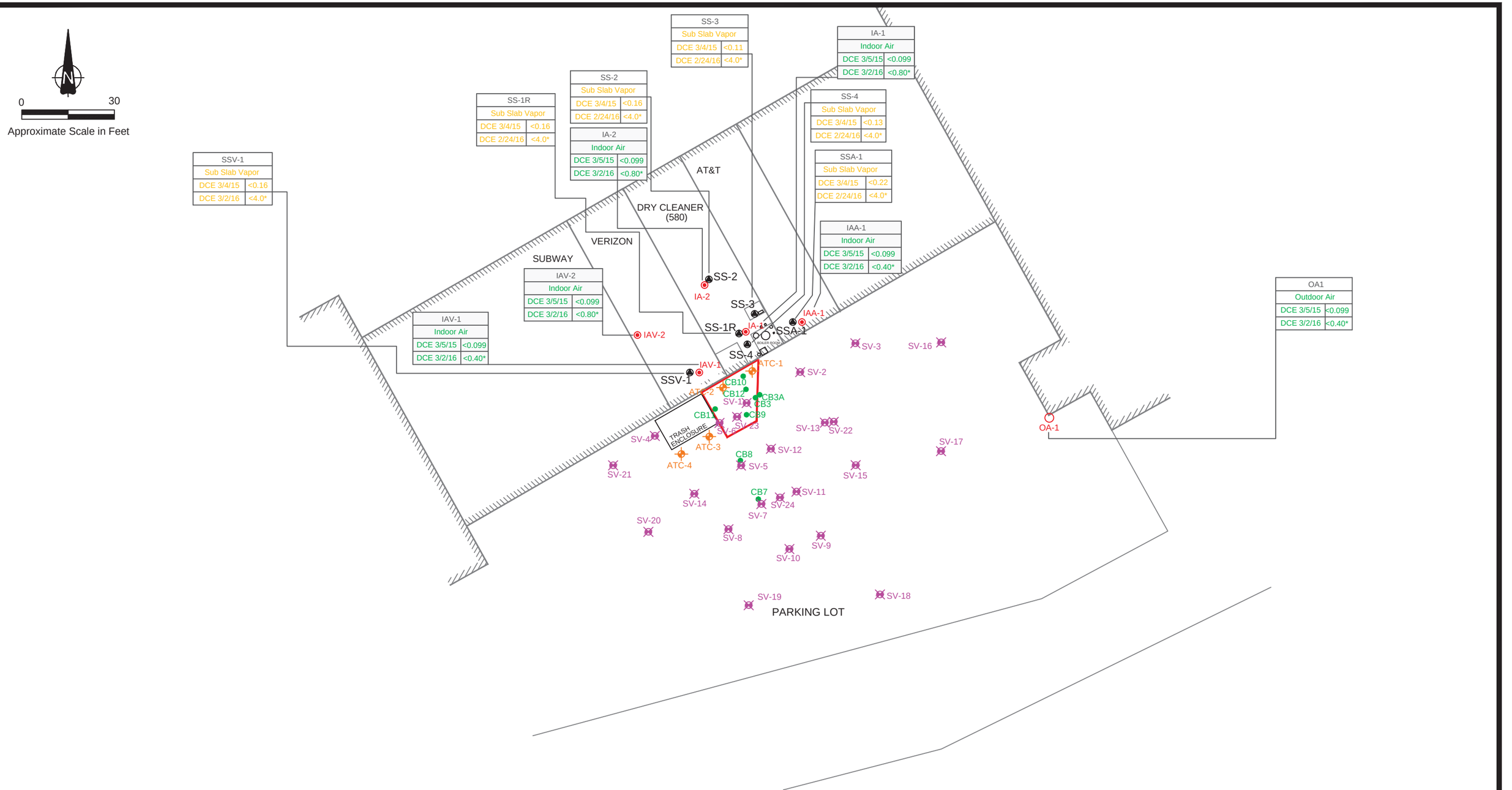
* Analyzed by EPA test method TO-15

SITE PLAN WITH ANALYTICAL DATA TCE

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE TCE
APPROVED BY: AH		DRAWN BY: JB	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND			
SS-4	Sub-Slab Vapor Wells	DCE	cis-1-2-Dichloroethene (c-1-2-DCE)
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for c-1-2-DCE by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for c-1-2-DCE by EPA test method TO-15 SIM

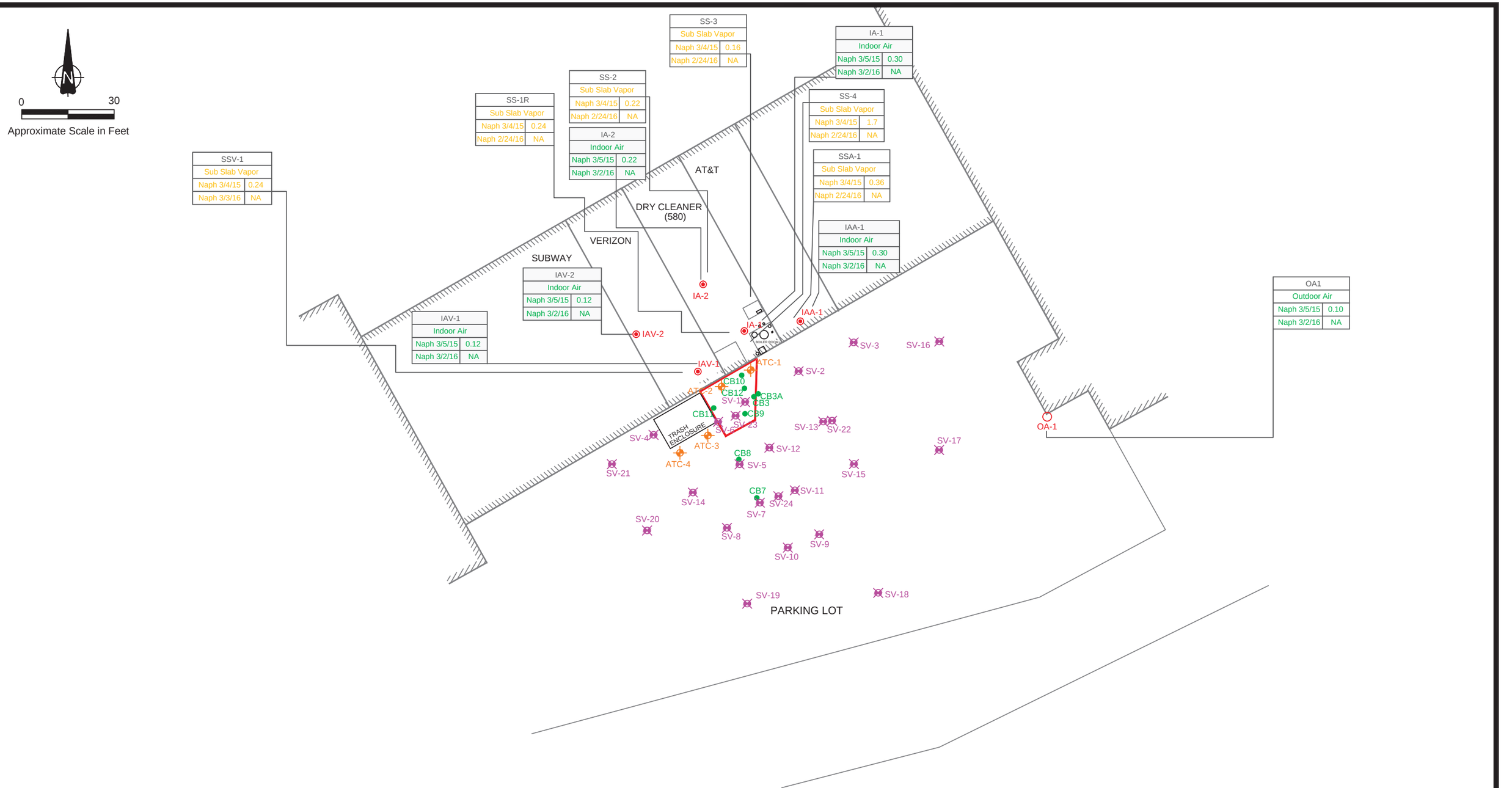
Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

SITE PLAN WITH ANALYTICAL DATA
DCE

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE DCE
APPROVED BY: AH		DRAWN BY: JB	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	Naph	Naphthalene
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for Naphthalene by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for Naphthalene by EPA test method TO-15 SIM

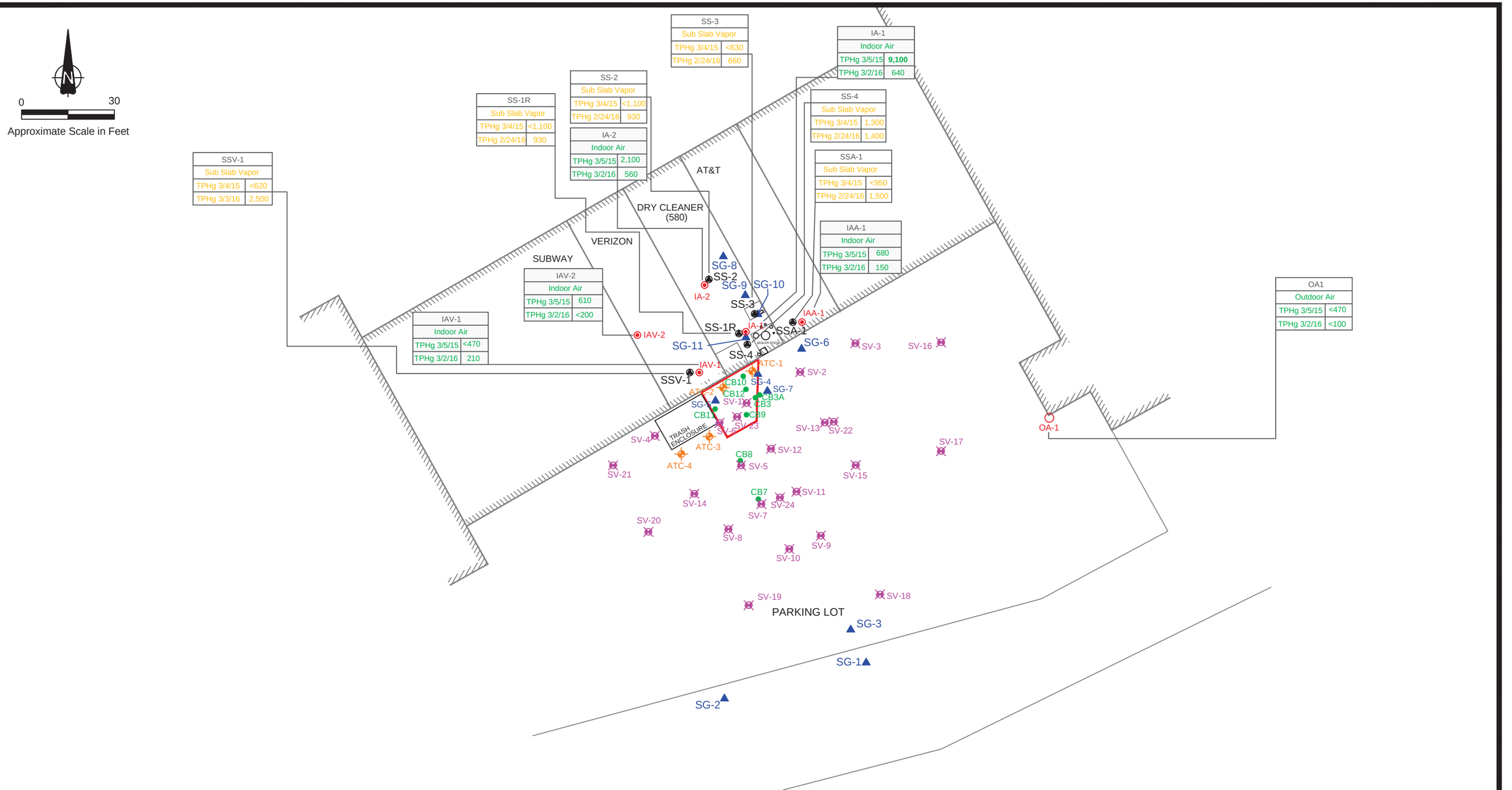
Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

SITE PLAN WITH ANALYTICAL DATA
Naphthalene

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE
APPROVED BY: AH		DRAWN BY: JB	**NAPH**

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	TPHg	Total Petroleum Hydrocarbons as Gasoline
SV-11	Soil Vapor Sampling Well	<	Less Than the Stated Laboratory Reporting Limit
IAA-1	Indoor Air Sample	mg/kg	Milligrams per Kilogram
OA-1	Outdoor Air Sample	µg/m³	Micrograms per Cubic Meter
ATC-4	Soil Boring	NA	Not Analyzed
CB11	Confirmation Soil Boring	a	Chromatographic Pattern Does Not Match That of the Specific Standard
SG-1	Soil Gas (Vapor) Sample	EPA	Environmental Protection Agency

NOTES

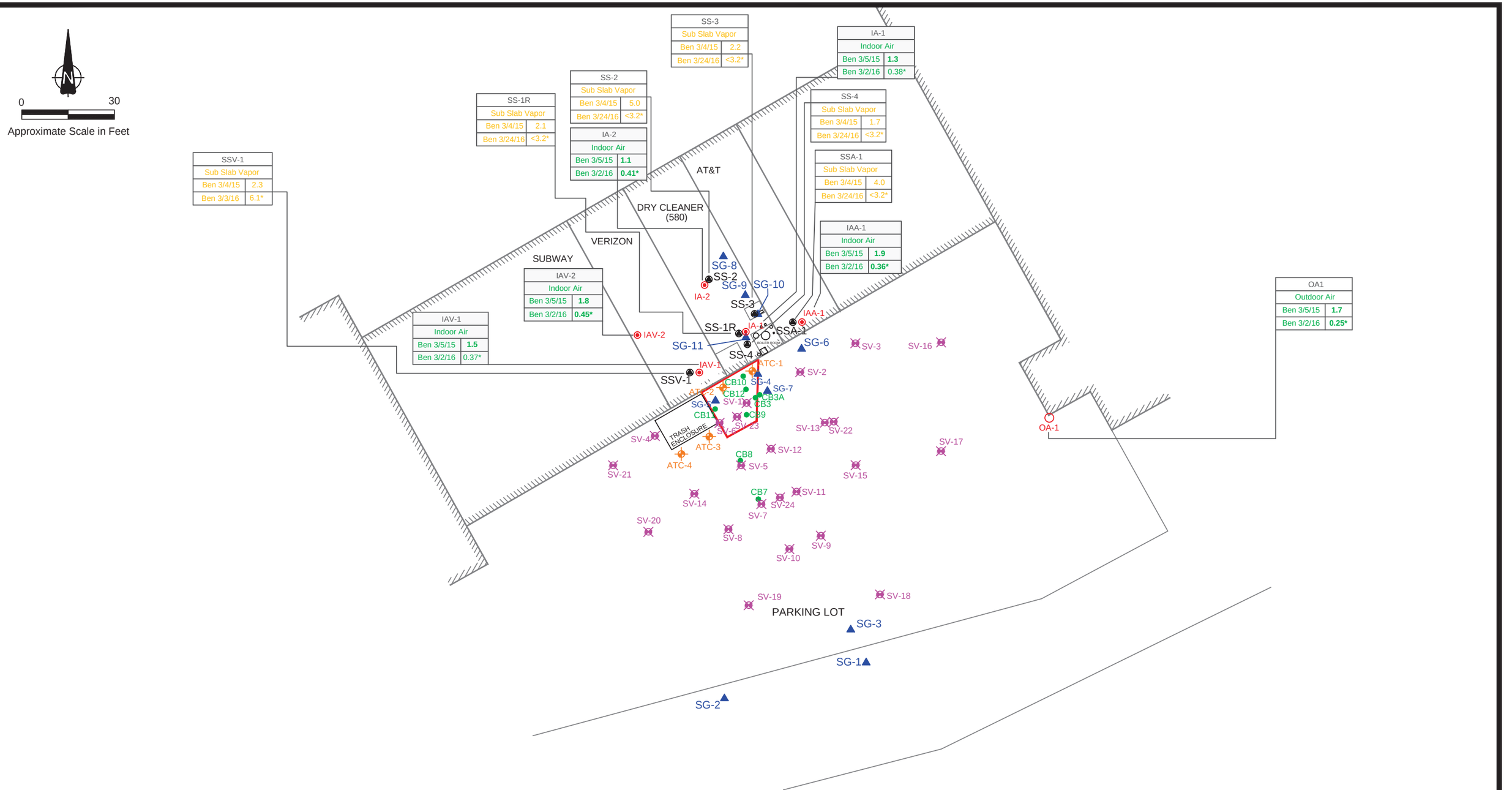
Soil sample analytical results presented in mg/kg.
Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³.
Soil samples analyzed for TPHg by EPA test method 8015B.
Soil Vapor, Sub Slab, Indoor Air and Outdoor Air samples analyzed for TPHg by Gas Chromatography / Mass Spectrometer.
Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

SITE PLAN WITH ANALYTICAL DATA TPHg

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 1191600012		DATE: 04/05/2016	FIGURE TPHg
APPROVED BY: AH		DRAWN BY: JB	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	EPA	Environmental Protection Agency
SV-11	Soil Vapor Sampling Well	<	Less Than the Stated Laboratory Reporting Limit
IAA-1	Indoor Air Sample	mg/kg	Milligrams per Kilogram
OA-1	Outdoor Air Sample	µg/m³	Micrograms per Cubic Meter
ATC-4	Soil Boring	NA	Not Analyzed
CB11	Confirmation Soil Boring		
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for Benzene by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for Benzene by EPA test method TO-15 SIM

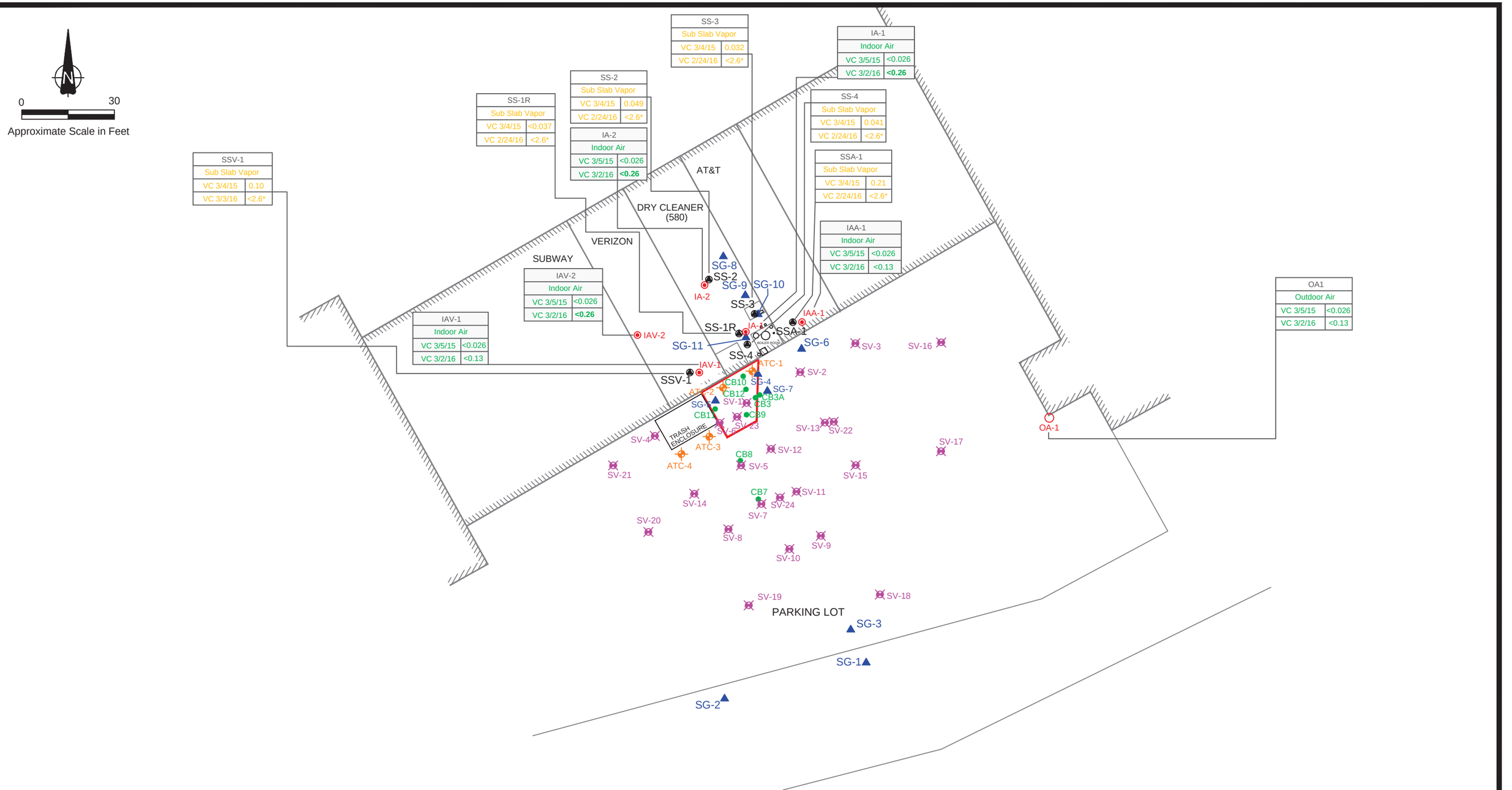
Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

SITE PLAN WITH ANALYTICAL DATA
Benzene

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE
APPROVED BY: AH		DRAWN BY: JB	**Benzene**

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027



LEGEND

SS-4	Sub-Slab Vapor Wells	VC	Vinyl Chloride
SV-11	Soil Vapor Sampling Well	EPA	Environmental Protection Agency
IAA-1	Indoor Air Sample	<	Less Than the Stated Laboratory Reporting Limit
OA-1	Outdoor Air Sample	mg/kg	Milligrams per Kilogram
ATC-4	Soil Boring	µg/m³	Micrograms per Cubic Meter
CB11	Confirmation Soil Boring	NA	Not Analyzed
SG-1	Soil Gas (Vapor) Sample		

NOTES

Soil sample analytical results presented in mg/kg

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air sample analytical results presented in µg/m³

Soil samples analyzed for PCE by EPA test method 8260 B

Soil Vapor, Sub Slab Vapor, Indoor Air and Outdoor Air samples analyzed for PCE by EPA test method TO-15 SIM

Sample analytical results that exceeded the environmental screening level (ESL) for the respective constituent are presented in bold face font.

SITE PLAN WITH ANALYTICAL DATA
Vinyl Chloride

DRY CLEAN 580
3735 E. Castro Valley Boulevard
Castro Valley, CA

PROJECT NUMBER: 2386		DATE: 04/05/2016	FIGURE VC
APPROVED BY: AH		DRAWN BY: JB	

ATC
3261 S. Higuera Street, Suite 200
San Luis Obispo, CA 93401
Ph: (805) 543-7007 *** Fax: (805) 543-7027

TABLE 1A
SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Dichlorodifluoro-methane		Methylene Chloride		Tetrachloro-ethene		Trichloro-ethene		1,1,1-Trichloroethane		1,1,2-Trichloro-1,2,2-Trifluoroethane		Trichlorofluoro-methane		Vinyl Chloride		Add'l HVOCs
		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																		
Commercial/Industrial		---	---	12,000	12,000	2,100	2,100	3,000	3,000	4,400,000	4,400,000	---	---	---	---	160	160	---
SS-1R	03/04/15	<5.7	2.0	<40	<0.13	390	c	19	22	<6.2	<0.20	<26	0.51	<13	1.2	<2.9	<0.037	ND
	02/24/16	<5.0	NA	<3.5	NA	410	NA	12	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SS-1R Dup	03/04/15	<5.4	2.1	<38	<0.13	210	c	14	24	<5.9	<0.20	<25	0.52	<12	1.1	<2.8	<0.038	ND
	02/24/16	<5.0	NA	<3.5	NA	430	NA	11	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SS-2	03/04/15	<3.3	2.1	<23	0.19	9.4	21	<3.6	0.42	<3.7	<0.19	<16	0.54	<7.6	1.2	<1.7	0.049	ND
	02/24/16	<5.0	NA	<3.5	NA	41	NA	<5.5	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SS-3	03/04/15	<3.3	2.0	<23	0.39	<4.6	5.8	<3.6	1.8	<3.7	<0.14	<16	0.51	<7.6	1.1	<1.7	0.032	ND
	02/24/16	<5.0	NA	<3.5	NA	140	NA	<5.5	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SS-4	03/04/15	<3.5	1.8	<24	0.18	350	c	62	c	<3.8	<0.15	<16	0.50	<7.9	1.0	<1.8	0.041	ND
	02/14/16	<5.0	NA	<3.5	NA	810	NA	41	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SSV-1	03/04/15	<3.3	2.1	<23	0.18	110	c	5.4	11	<3.7	<0.19	<15	0.53	<7.5	1.3	<1.7	0.10	ND
	03/03/16	<5.0	NA	12	NA	450	NA	25	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND
SSA-1	03/04/15	<5.0	2.3	<35	<0.17	59	c	8.0	10	<5.5	<0.26	<23	0.55	<11	1.2	<2.6	0.21	ND
	02/24/16	<5.0	NA	<3.5	NA	87	NA	<5.5	NA	<5.5	NA	<7.7	NA	<5.6	NA	<2.6	NA	ND

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.
b	=	Protective sub-slab concentration calculated using the DTSC default attenuation factor of 0.05.
c	=	Concentration exceeds calibration limit.

TABLE 1B
SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Bromodichloromethane (µg/m^3)		Carbon Tetrachloride (µg/m^3)		Chlorobenzene (µg/m^3)		Chloroethane (µg/m^3)		Chloroform (µg/m^3)		Chloromethane (µg/m^3)		c-1,2-Dichloroethene (µg/m^3)		t-1,2-Dichloroethene (µg/m^3)	
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																	
Commercial/Industrial		330	330	290	290	220,000	220,000	44,000,000	44,000,000	530	530	390,000	390,000	35,000	35,000	260,000	260,000
SS-1R	03/04/15	<7.7	<0.24	<7.2	0.39	<5.3	<0.17	<3.0	<0.096	<5.6	<0.18	<2.4	0.33	<4.5	<0.16	<4.5	<0.16
	02/24/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SS-1R Dup	03/04/15	<7.3	<0.25	<6.9	0.42	<5.0	<0.17	<2.9	<0.099	<5.3	<0.18	<2.3	0.38	<4.3	<0.17	<4.3	<0.17
	02/24/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SS-2	03/04/15	<4.5	<0.24	<4.2	0.42	<3.1	<0.16	<1.8	<0.094	<3.3	1.3	<1.4	0.70	<2.7	<0.16	<2.7	<0.16
	02/24/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SS-3	03/04/15	<4.5	<0.17	<4.2	0.42	<3.1	<0.12	<1.8	<0.066	<3.3	<0.12	1.4	1.1	<2.7	<0.11	<2.7	<0.11
	02/24/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SS-4	03/04/15	<4.7	<0.19	<4.4	0.41	<3.2	<0.13	<1.8	<0.075	<3.4	0.20	<1.4	0.48	<2.8	<0.13	<2.8	<0.13
	02/14/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SSV-1	03/04/15	<4.5	<0.23	<4.2	0.38	<3.1	<0.16	<1.8	<0.092	<3.3	0.29	<1.4	0.59	<2.7	<0.16	<2.7	<0.16
	03/02/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA
SSA-1	03/04/15	<6.8	<0.32	<6.4	0.46	<4.7	<0.22	<2.7	<0.13	<5.0	0.48	<2.1	0.63	<4.0	<0.22	<4.0	<0.22
	02/24/16	<6.8	NA	<6.4	NA	<4.7	NA	<8.0	NA	<4.9	NA	<2.1	NA	<4.0	NA	<8.0	NA

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.
b	=	Protective sub-slab concentration calculated using the DTSC default attenuation factor of 0.05.
c	=	Concentration exceeds calibration limit.

TABLE 1C
SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS - ATMOSPHERIC GASES AND HYDROCARBONS
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Methane	Carbon Dioxide	Oxygen + Argon	Helium	Vacuum	TPHg	MTBE		Benzene		Toluene		Ethylbenzene		o-Xylenes		pm-Xylenes		TBA	Naphthalene		Ethanol
		(%V)	(%V)	(%V)	(%V)	(in Hg)	(µg/m³)	(µg/m³)		(µg/m³)		(µg/m³)		(µg/m³)		(µg/m³)		(µg/m³)		(µg/m³)	(µg/m³)		(µg/m³)
		SCAQMD 25.1M	SCAQMD 25.1M	SCAQMD 25.1M	ASTM D-1946 (M)	Meter Reading	GC/MS C6-C12 as Gasoline	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																							
Commercial/Industrial		---	---	---	---	---	2,500,000	47,000	47,000	420	420	1,300,000	1,300,000	4,900	4,900	440,000a	440,000a	440,000a	440,000a	---	360	360	---
SS-1R	03/04/15	0.00014	0.12	22	0.0548	-4.60	<1,100	<17	<0.13	<3.7	2.1	<4.3	1.1	<5.0	0.52	<5.0	0.67	<20	1.7	<14	<60	0.33	<22
SS-1R	02/24/16	NA	0.22	21	<0.10	-4.83	930	<3.6	NA	<3.2	NA	62	NA	<4.4	NA	4.6	NA	10	NA	<6.1	NA	NA	NA
SS-1R Dup	03/04/15	0.00013	0.12	22	0.0252	-6.30	<1,000	<16	<0.14	<3.5	2.1	<4.1	1.2	<4.7	0.54	<4.7	0.62	<19	1.6	<13	<57	0.25	<21
SS-1R Dup	02/24/16	NA	0.22	21	<0.10	-4.78	1,100	<3.6	NA	<3.2	NA	57	NA	<4.4	NA	<4.4	NA	<8.8	NA	<6.1	NA	NA	NA
SS-2	03/04/15	0.00012	0.036	22	<0.0100	-6.00	<630	<9.7	0.13	3.5	5.0	4.6	2.4	<2.9	0.94	<2.9	1.1	<12	2.6	<8.2	<35	0.22	30
SS-2	02/24/16	NA	<0.2	21	<0.10	-4.79	610	<3.6	NA	<3.2	NA	60	NA	<4.4	NA	<0.44	NA	<0.88	NA	<6.1	NA	NA	NA
SS-3	03/04/15	0.00017	0.035	22	<0.0100	-4.40	<630	<9.7	<0.090	<2.2	2.2	3.0	1.9	<2.9	0.51	<2.9	0.59	<12	1.5	<8.2	<35	0.16	23
SS-3	02/24/16	NA	0.23	21	<0.10	-5.01	660	<3.6	NA	<3.2	NA	61	NA	<4.4	NA	<4.4	NA	<8.8	NA	<6.1	NA	NA	NA
SS-4	03/04/15	0.00016	0.020	22	0.0195	-5.90	1,300	<10	<0.10	<2.2	1.7	4.0	2.2	<3.0	1.1	<3.0	0.96	<12	3.1	<8.5	<37	1.7	45
SS-4	02/14/16	NA	0.220	21	<0.10	-4.07	1,400	<3.6	NA	<3.2	NA	77	NA	5.0	NA	4.5	NA	11	NA	<6.1	NA	NA	NA
SSV-1	03/04/15	0.00015	0.0073	22	0.0458	-4.20	<620	<9.7	0.23	<2.1	2.3	<2.5	1.6	<2.9	0.71	<2.9	0.65	<12	1.6	10	<35	0.24	1,000
SSV-1	03/03/16	NA	<0.2	21	NA	-4.09	2,500	<3.6	NA	6.1	NA	42	NA	6.3	NA	8.1	NA	23	NA	7.4	NA	NA	NA
SSA-1	03/04/15	0.00016	0.0089	22	0.0182	-7.40	<950	<15	0.36	<3.2	4.0	<3.8	1.9	<4.4	0.91	<4.4	1.0	<18	2.7	<12	<53	0.36	<19
SSA-1	02/24/16	NA	<0.2	21	<0.10	-5.21	1,500	<3.6	NA	<3.2	NA	80	NA	<4.4	NA	<4.4	NA	9.9	NA	<6.1	NA	NA	NA

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.
b	=	Protective sub-slab concentration calculated using the DTSC default attenuation factor of 0.05.
c	=	Concentration exceeds calibration limit.

TABLE 1D
SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS - VOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Acetone	Bromomethane		2-Butanone		1,3-Butadiene	1,1-Diflouroethane	4-Ethyltoluene		1,3,5-Trimethyl-benzene		1,2,4-Trimethyl-benzene		Hexane	Styrene		Additional VOCs
		(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																		
Commercial/Industrial		140,000,000	22,000	22,000	---	---	---	---	---	---	---	---	---	---	---	3,900,000	3,900,000	---
SS-1R	03/04/15	46	<4.4	<0.14	<10	<2.1	<0.080	<0.98	<5.6	0.50	<5.6	0.31	<17	1.1	<0.51	<15	<0.15	ND
	02/24/16	<24	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND
SS-1R Dup	03/04/15	40	<4.2	<0.15	<9.6	<2.2	<0.083	1.0	<5.4	0.48	<5.4	0.29	<16	1.1	<0.53	<14	<0.16	ND
	02/24/16	62	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND
SS-2	03/04/15	40	<2.6	0.25	19	2.9	<0.079	<0.96	<3.3	0.51	<3.3	0.31	<10	1.3	0.53	<8.6	0.32	ND
	02/24/16	<24	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND
SS-3	03/04/15	52	<2.6	<0.097	7.9	3.7	<0.055	<0.68	<3.3	0.28	<3.3	0.17	<10	0.62	0.55	<8.6	0.31	ND
	02/24/16	<24	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND
SS-4	03/04/15	71	<2.7	<0.11	20	4.8	0.097	<0.76	<3.4	0.81	<3.4	0.56	<10	1.7	0.82	<8.9	0.20	ND
	02/24/16	32	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND
SSV-1	03/04/15	77	<2.6	<0.14	8.2	7.3	<0.077	7.8	<3.3	0.46	<3.3	0.26	<9.9	0.92	0.57	<8.6	0.67	ND
	03/03/16	61	<16	NA	<30	NA	NA	15	<5.0	NA	<5.0	NA	8.2	NA	NA	<4.3	NA	ND
SSA-1	03/04/15	56	<3.9	<0.19	<9.0	6.3	<0.11	<1.3	<5.0	0.71	<5.0	0.45	<15	1.4	0.84	<13	0.20	ND
	02/24/16	<24	<16	NA	<30	NA	NA	NA	<5.0	NA	<5.0	NA	<5.0	NA	NA	<4.3	NA	ND

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m^3	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.
b	=	Protective sub-slab concentration calculated using the DTSC default attenuation factor of 0.05.
c	=	Concentration exceeds calibration limit.

TABLE 2A
INDOOR AIR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Dichlorodifluoro-methane		Methylene Chloride		Tetrachloro-ethene		Trichloro-ethene		1,1,1-Trichloroethane		1,1,2-Trichloro-1,2,2-Trifluoroethane		Trichlorofluoro-methane		Vinyl Chloride		Add'l HVOCs
		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																		
Commercial/Industrial		---	---	12	12	2.1	2.1	3.0	3.0	4,400	4,400	---	---	---	---	0.16	0.16	---
Human Health Risk Assessment Note Number 3 (DTSC, 2014)																		
Industrial		---	---	12.3	12	2.08	2.08	---	---	4,380	4,380	---	---	---	---	0.157	0.157	---
Interim TCE Indoor Air Response Action Levels (EPA, 2014)																		
Commercial/Industrial Accelerated Response Action Level																		
8-hour Work Day		---	---	---	---	---	---	8	8	---	---	---	---	---	---	---	---	---
10-hour Work Day		---	---	---	---	---	---	7	7	---	---	---	---	---	---	---	---	---
Commercial/Industrial Urgent Response Action Level																		
8-hour Work Day		---	---	---	---	---	---	24	24	---	---	---	---	---	---	---	---	---
10-hour Work Day		---	---	---	---	---	---	21	21	---	---	---	---	---	---	---	---	---
Background Outdoor Air																		
Livermore (BAAQMD)																		
Minimum		---	---	0	0	0	0	0	0	---	---	---	---	---	---	---	---	---
Average		---	---	0.65	0.65	0.11	0.11	0.0098	0.0098	---	---	---	---	---	---	---	---	---
Maximum		---	---	4.14	4.14	2.11	2.11	0.11	0.11	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																		
Minimum		---	---	0	0	0	0	0	0	---	---	---	---	---	---	---	---	---
Average		---	---	0.70	0.70	0.17	0.17	0.05	0.05	---	---	---	---	---	---	---	---	---
Maximum		---	---	7.71	7.71	0.82	0.82	1.45	1.45	---	---	---	---	---	---	---	---	---
Dry Clean 580 Unit																		
IA1	03/05/15	2.9	1.9	**<17**	0.55	**<3.4**	0.58	**3.0**	**3.1**	<2.7	0.14	<11	0.51	<5.6	1.1	**<1.3**	<0.026	ND
IA1 Dup	03/05/15	2.9	2.0	**<17**	0.43	**<3.4**	0.65	**3.5**	**3.5**	<2.7	0.16	<11	0.52	<5.6	1.1	**<1.3**	<0.026	ND
IA1	03/02/16	2.1	NA	<0.71	NA	<1.4	NA	**19**	NA	<1.1	NA	<1.5	NA	1.6	NA	**<0.26**	NA	
IA2	03/05/15	2.9	1.9	**<17**	0.51	**<3.4**	0.43	<2.7	1.2	<2.7	<0.14	<11	0.51	<5.6	1.0	**<1.3**	<0.026	ND
IA2	03/02/16	<2.0	NA	<0.71	NA	<1.4	NA	**7.2**	NA	<1.1	NA	<1.5	NA	1.5	NA	**<0.26**	NA	ND
Verizon																		
3935 East Castro Valley Boulevard																		
IAV1	03/05/15	2.9	2.0	**<17**	0.30	**<3.4**	1.5	<2.7	0.25	<2.7	<0.14	<11	0.40	<5.6	1.1	**<1.3**	<0.026	ND
IAV1	03/02/16	2.0	NA	0.50	NA	**3.3**	NA	<0.55	NA	<0.55	NA	<0.77	NA	1.8	NA	<0.13	NA	ND
IAV2	03/05/15	2.8	1.9	<17	0.64	**<3.4**	1.4	<2.7	0.31	<2.7	<0.14	<11	0.52	<5.6	1.1	**<1.3**	<0.026	ND
IAV2	03/02/16	<2.0	NA	0.75	NA	<1.4	NA	<1.1	NA	<1.1	NA	<1.5	NA	1.3	NA	**<0.26**	NA	ND
AT&T																		
3949 East Castro Valley Boulevard																		
IAA1	03/05/15	2.9	2.0	<17	0.68	**<3.4**	0.63	<2.7	0.43	<2.7	<0.14	<11	0.53	<5.6	1.1	**<1.3**	<0.026	ND
IAA1	03/02/16	1.6	NA	0.49	NA	<0.69	NA	<0.55	NA	<0.55	NA	<0.77	NA	1.5	NA	<0.13	NA	ND

TABLE 2A
INDOOR AIR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 2 of 2)

Sample ID	Date	Dichlorodifluoro-methane		Methylene Chloride		Tetrachloro-ethene		Trichloro-ethene		1,1,1-Trichloroethane		1,1,2-Trichloro-1,2,2-Trifluoroethane		Trichlorofluoro-methane		Vinyl Chloride		Add'l HVOCs
		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																		
Commercial/Industrial		---	---	12	12	2.1	2.1	3.0	3.0	4,400	4,400	---	---	---	---	0.16	0.16	---
Human Health Risk Assessment Note Number 3 (DTSC, 2014)																		
Industrial		---	---	12.3	12	2.08	2.08	---	---	4,380	4,380	---	---	---	---	0.157	0.157	---
Interim TCE Indoor Air Response Action Levels (EPA, 2014)																		
Commercial/Industrial Accelerated Response Action Level																		
8-hour Work Day		---	---	---	---	---	---	8	8	---	---	---	---	---	---	---	---	---
10-hour Work Day		---	---	---	---	---	---	7	7	---	---	---	---	---	---	---	---	---
Commercial/Industrial Urgent Response Action Level																		
8-hour Work Day		---	---	---	---	---	---	24	24	---	---	---	---	---	---	---	---	---
10-hour Work Day		---	---	---	---	---	---	21	21	---	---	---	---	---	---	---	---	---
Background Outdoor Air																		
Livermore (BAAQMD)																		
Minimum		---	---	0	0	0	0	0	0	---	---	---	---	---	---	---	---	---
Average		---	---	0.65	0.65	0.11	0.11	0.0098	0.0098	---	---	---	---	---	---	---	---	---
Maximum		---	---	4.14	4.14	2.11	2.11	0.11	0.11	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																		
Minimum		---	---	0	0	0	0	0	0	---	---	---	---	---	---	---	---	---
Average		---	---	0.70	0.70	0.17	0.17	0.05	0.05	---	---	---	---	---	---	---	---	---
Maximum		---	---	7.71	7.71	0.82	0.82	1.45	1.45	---	---	---	---	---	---	---	---	---
Outdoor Air																		
OA1	03/05/15	2.9	2.0	<17	0.45	**<3.4**	<0.17	<2.7	<0.13	<2.7	<0.14	<11	0.53	<5.6	1.1	**<1.3**	<0.026	ND
OA1	03/02/16	1.9	NA	<0.35	NA	<0.69	NA	<0.55	NA	<0.55	NA	<0.77	NA	1.6	NA	<0.13	NA	ND

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.

TABLE 2B
INDOOR AIR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Bromodichloromethane (µg/m^3)		Carbon Tetrachloride (µg/m^3)		Chlorobenzene (µg/m^3)		Chloroethane (µg/m^3)		Chloroform (µg/m^3)		Chloromethane (µg/m^3)		c-1,2-Dichloroethene (µg/m^3)		t-1,2-Dichloroethene (µg/m^3)	
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																	
Commercial/Industrial		0.33	0.33	0.29	0.29	220	220	44,000	44,000	0.53	0.53	390	390	35	35	260	260
Human Health Risk Assessment Note Number 3 (DTSC, 2014)																	
Industrial		370	370	175	175	---	---	---	---	---	---	---	---	31	31	---	---
Background Outdoor Air																	
Livermore (BAAQMD)																	
Minimum		---	---	0.37	0.37	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	0.67	0.67	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	1.22	1.22	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																	
Minimum		---	---	0.35	0.35	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	0.67	0.67	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	1.38	1.38	---	---	---	---	---	---	---	---	---	---	---	---
Dry Clean 580 Unit																	
IA1	03/05/15	<3.4	<0.17	**<3.1**	**0.43**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.27	1.6	1.2	<2.0	<0.099	<2.0	<0.099
IA1 Dup	03/05/15	<3.4	<0.17	**<3.1**	**0.44**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.28	1.6	1.2	<2.0	<0.099	<2.0	<0.099
IA1	03/02/16	<1.4	NA	**<0.64**	NA	<0.94	NA	<0.54	NA	<0.49	NA	1.1	NA	<0.80	NA	<0.80	NA
IA2	03/05/15	<3.4	<0.17	**<3.1**	**0.41**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.21	1.6	1.2	<2.0	<0.099	<2.0	<0.099
IA2	03/02/16	<1.4	NA	**<0.64**	NA	<0.94	NA	<0.54	NA	<0.49	NA	1.1	NA	<0.80	NA	<0.80	NA
Verizon																	
3935 East Castro Valley Boulevard																	
IAV1	03/05/15	<3.4	<0.17	**<3.1**	**0.46**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.27	1.6	1.1	<2.0	<0.099	<2.0	<0.099
IAV1	03/02/16	<0.68	NA	**0.57**	NA	<0.47	NA	<0.27	NA	0.43	NA	1.5	NA	<0.40	NA	<0.40	NA
IAV2	03/05/15	<3.4	<0.17	**<3.1**	**0.43**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.31	1.7	1.3	<2.0	<0.099	<2.0	<0.099
IAV2	03/02/16	<1.4	NA	**<0.64**	NA	<0.94	NA	<0.54	NA	**0.56**	NA	1.1	NA	<0.80	NA	<0.80	NA
AT&T																	
3949 East Castro Valley Boulevard																	
IAA1	03/05/15	<3.4	<0.17	**<3.1**	**0.46**	<2.3	<0.12	<1.3	<0.066	**<2.4**	0.27	1.9	1.3	<2.0	<0.099	<2.0	<0.099
IAA1	03/02/16	<0.68	NA	**0.55**	NA	<0.47	NA	<0.27	NA	0.32	NA	0.96	NA	<0.40	NA	<0.40	NA

TABLE 2B
INDOOR AIR ANALYTICAL RESULTS - HVOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Bromodichloromethane (µg/m³)		Carbon Tetrachloride (µg/m³)		Chlorobenzene (µg/m³)		Chloroethane (µg/m³)		Chloroform (µg/m³)		Chloromethane (µg/m³)		c-1,2-Dichloroethene (µg/m³)		t-1,2-Dichloroethene (µg/m³)	
		EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																	
Commercial/Industrial		0.33	0.33	0.29	0.29	220	220	44,000	44,000	0.53	0.53	390	390	35	35	260	260
Human Health Risk Assessment Note Number 3 (DTSC, 2014)																	
Industrial		370	370	175	175	---	---	---	---	---	---	---	---	31	31	---	---
Background Outdoor Air																	
Livermore (BAAQMD)																	
Minimum		---	---	0.37	0.37	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	0.67	0.67	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	1.22	1.22	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																	
Minimum		---	---	0.35	0.35	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	0.67	0.67	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	1.38	1.38	---	---	---	---	---	---	---	---	---	---	---	---
Outdoor Air																	
OA1	03/05/15	<3.4	<0.17	**<3.1**	**0.46**	<2.3	<0.12	<1.3	<0.066	**<2.4**	<0.12	1.6	<0.12	<2.0	<0.099	<2.0	<0.099
OA1	03/02/16	<0.68	NA	**0.57**	NA	<0.47	NA	<0.27	NA	<0.25	NA	0.99	NA	<0.40	NA	<0.40	NA

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.

TABLE 2C
INDOOR AIR ANALYTICAL RESULTS - ATMOSPHERIC GASES AND HYDROCARBONS
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Methane	Carbon Dioxide	Oxygen + Argon	TPHg	MTBE		Benzene		Toluene		Ethylbenzene		o-Xylenes		pm-Xylenes		TBA	Naphthalene		Ethanol
		(%V)	(%V)	(%V)	($\mu g/m^3$)	($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)	($\mu g/m^3$)		($\mu g/m^3$)
		SCAQMD 25.1M	SCAQMD 25.1M	SCAQMD 25.1M	GC/MS C6-C12 as Gasoline	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																					
Commercial/Industrial		---	---	---	2,500	47	47	0.42	0.42	1,300	1,300	4.9	4.9	440	440a	440	440a	---	0.36	0.36	---
Background Outdoor Air																					
Livermore (BAAQMD)																					
Minimum		---	---	---	---	---	---	0.11	0.11	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	0.71	0.71	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	2.63	2.63	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																					
Minimum		---	---	---	---	---	---	0	0	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	0.95	0.95	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	4.03	4.03	---	---	---	---	---	---	---	---	---	---	---	---
Dry Clean 580 Unit																					
IA1	03/05/15	0.00019	0.043	22	**9,100**	<7.2	0.26	**1.8**	**1.3**	5.1	3.6	<2.2	0.38	<2.2	0.50	<8.7	1.3	<6.1	**<26**	0.30	220
IA1 Dup	03/05/15	0.00018	0.043	22	**12,000**	<7.2	<0.090	**<1.6**	**1.2**	3.8	2.9	<2.2	0.32	<2.2	0.35	<8.7	0.92	<6.1	**<26**	0.25	240
IA1	03/02/16	NA	<0.2	21	640	<1.5	NA	0.38	NA	2.1	NA	<0.88	NA	<0.88	NA	<0.88	NA	<3.1	NA	NA	NA
IA2	03/05/15	0.00018	0.041	22	2,100	<7.2	<0.090	**<1.6**	**1.1**	3.3	2.7	<2.2	0.31	<2.2	0.36	<8.7	0.90	<6.1	**<26**	0.22	230
IA2	03/02/16	NA	<0.2	21	560	<1.5	NA	0.41	NA	2.6	NA	<0.88	NA	<0.88	NA	1.1	NA	<3.1	NA	NA	NA
Verizon																					
3935 East Castro Valley Boulevard																					
IAV1	03/05/15	0.00019	0.049	22	<470	<7.2	<0.090	**<1.6**	**1.5**	5.0	4.3	<2.2	0.34	<2.2	0.34	<8.7	0.86	<6.1	**<26**	0.12	1,100
IAV1	03/02/16	NA	<0.2	21	210	<0.73	NA	0.37	NA	2.5	NA	<0.44	NA	0.44	NA	1.1	NA	<1.5	NA	NA	NA
IAV2	03/05/15	0.00019	0.050	22	610	<7.2	<0.090	**2.0**	**1.8**	3.7	3.2	2.2	0.30	<2.2	0.35	<8.7	0.82	<6.1	**<26**	0.12	1,500
IAV2	03/02/16	NA	<0.2	21	<200	<1.5	NA	**0.45**	NA	2.3	NA	<0.88	NA	<0.88	NA	1.3	NA	<3.1	NA	NA	NA
AT&T																					
3949 East Castro Valley Boulevard																					
IAA1	03/05/15	0.00019	0.070	22	680	<7.2	<0.090	**2.0**	**1.9**	5.2	4.3	<2.2	0.71	<2.2	0.53	<8.7	1.4	<6.1	**<26**	0.30	4,600
IAA1	03/02/16	NA	<0.2	21	150	<0.73	NA	0.36	NA	5.4	NA	<0.44	NA	<0.44	NA	1.0	NA	<1.5	NA	NA	NA

TABLE 2C
INDOOR AIR ANALYTICAL RESULTS - ATMOSPHERIC GASES AND HYDROCARBONS
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Methane	Carbon Dioxide	Oxygen + Argon	TPHg	MTBE		Benzene		Toluene		Ethylbenzene		o-Xylenes		pm-Xylenes		TBA	Naphthalene		Ethanol
		(%V)	(%V)	(%V)	($\mu g/m^3$)	($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)		($\mu g/m^3$)	($\mu g/m^3$)		($\mu g/m^3$)
		SCAQMD 25.1M	SCAQMD 25.1M	SCAQMD 25.1M	GC/MS C6-C12 as Gasoline	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016)																					
Commercial/Industrial		---	---	---	2,500	47	47	0.42	0.42	1,300	1,300	4.9	4.9	440	440a	440	440a	---	0.36	0.36	---
Background Outdoor Air																					
Livermore (BAAQMD)																					
Minimum		---	---	---	---	---	---	0.11	0.11	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	0.71	0.71	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	2.63	2.63	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																					
Minimum		---	---	---	---	---	---	0	0	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	0.95	0.95	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	4.03	4.03	---	---	---	---	---	---	---	---	---	---	---	---
Outdoor Air																					
OA1	03/05/15	0.00018	0.038	22	<470	<7.2	<0.090	**1.9**	**1.7**	<1.9	0.86	<2.2	0.16	<2.2	0.22	<8.7	0.56	<6.1	**<26**	0.10	19
OA1	03/02/16	NA	<0.2	21	<100	<0.73	NA	0.25	NA	0.80	NA	<0.44	NA	<0.44	NA	<0.44	NA	<1.5	NA	NA	NA

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline.
MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
$\mu g/m^3$	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.

TABLE 2D
INDOOR AIR ANALYTICAL RESULTS - VOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Acetone	Bromomethane		2-Butanone (MEK)		1,3-Butadiene	1,1-Diflouroethane	4-Ethyltoluene		1,3,5-Trimethyl-benzene		1,2,4-Trimethyl-benzene		Hexane	Styrene		Additional VOCs
		(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016																		
Commercial/Industrial		140,000	22	22	22,000	22,000	---	---	---	---	---	---	---	---	---	3,900	3,900	---
Background Outdoor Air																		
Livermore (BAAQMD)																		
Minimum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																		
Minimum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dry Clean 580 Unit																		
IA1	03/05/15	25	<1.9	<0.097	<4.4	<1.5	0.17	<0.68	<2.5	<0.25	<2.5	0.12	<7.4	0.55	0.63	<6.4	0.16	ND
IA1 Dup	03/05/15	25	<1.9	<0.097	<4.4	<1.5	0.14	<0.68	<2.5	<0.25	<2.5	<0.12	<7.4	0.46	<0.35	<6.4	0.16	ND
IA1	03/02/16	12	<0.79	NA	1.5	NA	NA	NA	<1.0	NA	<1.0	NA	<1.0	NA	NA	<0.86	NA	ND
IA2	03/05/15	25	<1.9	<0.097	<4.4	<1.5	0.14	<0.68	<2.5	<0.25	<2.5	<0.12	<7.4	0.42	0.39	<6.4	0.15	ND
IA2	03/02/16	12	<0.79	NA	<1.2	NA	NA	NA	<1.0	NA	<1.0	NA	<1.0	NA	NA	<0.86	NA	ND
Verizon																		
3935 East Castro Valley Boulevard																		
IAV1	03/05/15	29	<1.9	<0.097	<4.4	<1.5	0.18	4.5	<2.5	<0.25	<2.5	<0.12	<7.4	0.39	<0.35	<6.4	0.59	ND
IAV1	03/02/16	15	<0.39	NA	1.5	NA	NA	NA	<0.50	NA	<0.50	NA	0.63	NA	NA	2.2	NA	ND
IAV2	03/05/15	29	<1.9	<0.097	<4.4	<1.5	0.24	3.5	<2.5	<0.25	<2.5	<0.12	<7.4	0.43	<0.35	<6.4	0.49	ND
IAV2	03/02/16	17	<0.79	NA	1.8	NA	NA	NA	<1.0	NA	<1.0	NA	<1.0	NA	NA	1.3	NA	ND
AT&T																		
3949 East Castro Valley Boulevard																		
IAA1	03/05/15	43	<1.9	<0.097	<4.4	1.7	1.1	<0.68	<2.5	<0.25	<2.5	0.12	<7.4	0.54	0.48	<6.4	0.67	ND
IAA1	03/02/16	16	<0.39	NA	1.6	NA	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	NA	0.43	NA	ND

TABLE 2D
INDOOR AIR ANALYTICAL RESULTS - VOCs
Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California

Sample ID	Date	Acetone	Bromomethane		2-Butanone (MEK)		1,3-Butadiene	1,1-Diflouroethane	4-Ethyltoluene		1,3,5-Trimethyl-benzene		1,2,4-Trimethyl-benzene		Hexane	Styrene		Additional VOCs
		(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)	(µg/m^3)		(µg/m^3)		(µg/m^3)		(µg/m^3)	(µg/m^3)		(µg/m^3)
		EPA TO-15	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15 SIM	EPA TO-15	EPA TO-15 SIM	EPA TO-15/ EPA TO-15 SIM
Environmental Screening Levels, Subslab / Soil Gas, Table SG-1 and Indoor Air, Table IA-1 (February 2016																		
Commercial/Industrial		140,000	22	22	22,000	22,000	---	---	---	---	---	---	---	---	---	3,900	3,900	---
Background Outdoor Air																		
Livermore (BAAQMD)																		
Minimum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
East Oakland (BAAQMD)																		
Minimum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Average		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Outdoor Air																		
OA1	03/05/15	14	<1.9	8.0	<4.4	<1.5	0.059	<0.68	<2.5	<0.25	<2.5	<0.12	<7.4	0.32	<0.35	<6.4	<0.11	ND
OA1	03/02/16	4.4	<0.39	NA	0.79	NA	NA	NA	<0.50	NA	<0.50	NA	<0.50	NA	NA	<0.43	NA	ND

Notes:

MTBE	=	Methyl tertiary butyl ether.
TBA	=	Tertiary butyl alcohol.
Add'l VOCs	=	Additional volatile organic compounds.
SCAQMD	=	South Coast Air Quality Management District.
ASTM	=	American Society of Testing and Materials.
EPA	=	Environmental Protection Agency.
% V	=	Percent by volume.
in Hg	=	Inches of mercury.
µg/m³	=	Micrograms per meter cubed.
ND	=	Not detected.
<	=	Less than the stated laboratory reporting limit.
---	=	Not applicable/Not specified.
a	=	Value for total xylenes.

APPENDIX A

LABORATORY ANALYTICAL REPORTS

Mobile Geochemistry Inc.

22 March 2016

Mr. Gabe Stivala
ATC Group Services - Roseville
915 Highland Pointe Drive, Suite 250
Roseville, CA 95678

H&P Project: ATC030916-10
Client Project: 580 Marketplace / Weingarden

Dear Mr. Gabe Stivala:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 09-Mar-16 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1R	E603047-01	Vapor	24-Feb-16	09-Mar-16
SS-2	E603047-02	Vapor	24-Feb-16	09-Mar-16
SS-3	E603047-03	Vapor	24-Feb-16	09-Mar-16
SS-4	E603047-04	Vapor	24-Feb-16	09-Mar-16
SSA-1	E603047-05	Vapor	24-Feb-16	09-Mar-16
SSV-1	E603047-06	Vapor	03-Mar-16	09-Mar-16
SS1R Dup	E603047-07	Vapor	24-Feb-16	09-Mar-16
OA-1	E603048-01	Vapor	02-Mar-16	09-Mar-16
IAA-1	E603048-02	Vapor	02-Mar-16	09-Mar-16
IAV-1	E603048-03	Vapor	02-Mar-16	09-Mar-16
IA-1	E603048-04	Vapor	02-Mar-16	09-Mar-16
IA-2	E603048-05	Vapor	02-Mar-16	09-Mar-16
IAV-2	E603048-06	Vapor	02-Mar-16	09-Mar-16

The percent recovery for Trichlorofluoromethane fell above the method criteria in the continuing calibration verification. Any results for this analyte may be biased high.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

DETECTIONS SUMMARY

Sample ID: **SS-1R** Laboratory ID: **E603047-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon dioxide	**0.22**	0.20	%	ASTM D1945	
Oxygen	**21**	0.20	%	ASTM D1945	
Trichloroethene	**0.012**	0.0055	ug/l	EPA TO-15	
Toluene	**0.062**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.41**	0.0069	ug/l	EPA TO-15	
m,p-Xylene	**0.010**	0.0088	ug/l	EPA TO-15	
o-Xylene	**0.0046**	0.0044	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.93**	0.10	ug/l	EPA TO-15	

Sample ID: **SS-2** Laboratory ID: **E603047-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Toluene	**0.060**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.041**	0.0069	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.61**	0.10	ug/l	EPA TO-15	

Sample ID: **SS-3** Laboratory ID: **E603047-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon dioxide	**0.23**	0.20	%	ASTM D1945	
Oxygen	**21**	0.20	%	ASTM D1945	
Toluene	**0.061**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.14**	0.0069	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.66**	0.10	ug/l	EPA TO-15	

Sample ID: **SS-4** Laboratory ID: **E603047-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon dioxide	**0.22**	0.20	%	ASTM D1945	
Oxygen	**21**	0.20	%	ASTM D1945	
Acetone	**0.032**	0.024	ug/l	EPA TO-15	
Trichloroethene	**0.041**	0.0055	ug/l	EPA TO-15	
Toluene	**0.077**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.81**	0.0069	ug/l	EPA TO-15	
Ethylbenzene	**0.0050**	0.0044	ug/l	EPA TO-15	
m,p-Xylene	**0.011**	0.0088	ug/l	EPA TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Sample ID: **SS-4** Laboratory ID: **E603047-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
o-Xylene	**0.0045**	0.0044	ug/l	EPA TO-15	
TPHv (C5 - C12)	**1.4**	0.10	ug/l	EPA TO-15	

Sample ID: **SSA-1** Laboratory ID: **E603047-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Toluene	**0.080**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.087**	0.0069	ug/l	EPA TO-15	
m,p-Xylene	**0.0099**	0.0088	ug/l	EPA TO-15	
TPHv (C5 - C12)	**1.5**	0.10	ug/l	EPA TO-15	

Sample ID: **SSV-1** Laboratory ID: **E603047-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
1,1-Difluoroethane (LCC)	**0.015**	0.0055	ug/l	EPA TO-15	
Acetone	**0.061**	0.024	ug/l	EPA TO-15	
Tertiary-butyl alcohol (TBA)	**0.0074**	0.0061	ug/l	EPA TO-15	
Methylene chloride (Dichloromethane)	**0.012**	0.0035	ug/l	EPA TO-15	
Benzene	**0.0061**	0.0032	ug/l	EPA TO-15	
Trichloroethene	**0.025**	0.0055	ug/l	EPA TO-15	
Toluene	**0.042**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.45**	0.0069	ug/l	EPA TO-15	
Ethylbenzene	**0.0063**	0.0044	ug/l	EPA TO-15	
m,p-Xylene	**0.023**	0.0088	ug/l	EPA TO-15	
o-Xylene	**0.0081**	0.0044	ug/l	EPA TO-15	
1,2,4-Trimethylbenzene	**0.0082**	0.0050	ug/l	EPA TO-15	
TPHv (C5 - C12)	**2.5**	0.10	ug/l	EPA TO-15	

Sample ID: **SS1R Dup** Laboratory ID: **E603047-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Carbon dioxide	**0.22**	0.20	%	ASTM D1945	
Oxygen	**21**	0.20	%	ASTM D1945	
Acetone	**0.062**	0.024	ug/l	EPA TO-15	
Trichloroethene	**0.011**	0.0055	ug/l	EPA TO-15	
Toluene	**0.057**	0.0038	ug/l	EPA TO-15	
Tetrachloroethene	**0.43**	0.0069	ug/l	EPA TO-15	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Sample ID: **SS1R Dup** Laboratory ID: **E603047-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
TPHv (C5 - C12)	**1.1**	0.10	ug/l	EPA TO-15	

Sample ID: **OA-1** Laboratory ID: **E603048-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Dichlorodifluoromethane (F12)	**0.0019**	0.0010	ug/l	EPA TO-15	
Chloromethane	**0.00099**	0.00021	ug/l	EPA TO-15	
Trichlorofluoromethane (F11)	**0.0016**	0.00056	ug/l	EPA TO-15	
Acetone	**0.0044**	0.0012	ug/l	EPA TO-15	
2-Butanone (MEK)	**0.00079**	0.00060	ug/l	EPA TO-15	
Benzene	**0.00025**	0.00016	ug/l	EPA TO-15	
Carbon tetrachloride	**0.00057**	0.00032	ug/l	EPA TO-15	
Toluene	**0.00080**	0.00076	ug/l	EPA TO-15	

Sample ID: **IAA-1** Laboratory ID: **E603048-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Dichlorodifluoromethane (F12)	**0.0016**	0.0010	ug/l	EPA TO-15	
Chloromethane	**0.00096**	0.00021	ug/l	EPA TO-15	
Trichlorofluoromethane (F11)	**0.0015**	0.00056	ug/l	EPA TO-15	
Acetone	**0.016**	0.0012	ug/l	EPA TO-15	
Methylene chloride (Dichloromethane)	**0.00049**	0.00035	ug/l	EPA TO-15	
2-Butanone (MEK)	**0.0016**	0.00060	ug/l	EPA TO-15	
Chloroform	**0.00032**	0.00025	ug/l	EPA TO-15	
Benzene	**0.00036**	0.00016	ug/l	EPA TO-15	
Carbon tetrachloride	**0.00055**	0.00032	ug/l	EPA TO-15	
Toluene	**0.0054**	0.00076	ug/l	EPA TO-15	
m,p-Xylene	**0.0010**	0.00044	ug/l	EPA TO-15	
Styrene	**0.00043**	0.00043	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.15**	0.10	ug/l	EPA TO-15	

Sample ID: **IAV-1** Laboratory ID: **E603048-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Dichlorodifluoromethane (F12)	**0.0020**	0.0010	ug/l	EPA TO-15	
Chloromethane	**0.0015**	0.00021	ug/l	EPA TO-15	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Sample ID: **IAV-1** Laboratory ID: **E603048-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.0018**	0.00056	ug/l	EPA TO-15	
Acetone	**0.015**	0.0012	ug/l	EPA TO-15	
Methylene chloride (Dichloromethane)	**0.00050**	0.00035	ug/l	EPA TO-15	
2-Butanone (MEK)	**0.0015**	0.00060	ug/l	EPA TO-15	
Chloroform	**0.00043**	0.00025	ug/l	EPA TO-15	
Benzene	**0.00037**	0.00016	ug/l	EPA TO-15	
Carbon tetrachloride	**0.00057**	0.00032	ug/l	EPA TO-15	
Toluene	**0.0025**	0.00076	ug/l	EPA TO-15	
Tetrachloroethene	**0.0033**	0.00069	ug/l	EPA TO-15	
m,p-Xylene	**0.0011**	0.00044	ug/l	EPA TO-15	
Styrene	**0.0022**	0.00043	ug/l	EPA TO-15	
o-Xylene	**0.00044**	0.00044	ug/l	EPA TO-15	
1,2,4-Trimethylbenzene	**0.00063**	0.00050	ug/l	EPA TO-15	
1,4-Dichlorobenzene	**0.0013**	0.00061	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.21**	0.10	ug/l	EPA TO-15	

Sample ID: **IA-1** Laboratory ID: **E603048-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Dichlorodifluoromethane (F12)	**0.0021**	0.0020	ug/l	EPA TO-15	
Chloromethane	**0.0011**	0.00041	ug/l	EPA TO-15	
Trichlorofluoromethane (F11)	**0.0016**	0.0011	ug/l	EPA TO-15	
Acetone	**0.012**	0.0024	ug/l	EPA TO-15	
2-Butanone (MEK)	**0.0015**	0.0012	ug/l	EPA TO-15	
Benzene	**0.00038**	0.00032	ug/l	EPA TO-15	
Trichloroethene	**0.019**	0.0011	ug/l	EPA TO-15	
Toluene	**0.0021**	0.0015	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.64**	0.20	ug/l	EPA TO-15	

Sample ID: **IA-2** Laboratory ID: **E603048-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Chloromethane	**0.0011**	0.00041	ug/l	EPA TO-15	
Trichlorofluoromethane (F11)	**0.0015**	0.0011	ug/l	EPA TO-15	
Acetone	**0.012**	0.0024	ug/l	EPA TO-15	
Benzene	**0.00041**	0.00032	ug/l	EPA TO-15	
Trichloroethene	**0.0072**	0.0011	ug/l	EPA TO-15	

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915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
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Sample ID: **IA-2** Laboratory ID: **E603048-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**0.0026**	0.0015	ug/l	EPA TO-15	
m,p-Xylene	**0.0011**	0.00088	ug/l	EPA TO-15	
TPHv (C5 - C12)	**0.56**	0.20	ug/l	EPA TO-15	

Sample ID: **IAV-2** Laboratory ID: **E603048-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Oxygen	**21**	0.20	%	ASTM D1945	
Chloromethane	**0.0011**	0.00041	ug/l	EPA TO-15	
Trichlorofluoromethane (F11)	**0.0013**	0.0011	ug/l	EPA TO-15	
Acetone	**0.017**	0.0024	ug/l	EPA TO-15	
Methylene chloride (Dichloromethane)	**0.00075**	0.00071	ug/l	EPA TO-15	
2-Butanone (MEK)	**0.0018**	0.0012	ug/l	EPA TO-15	
Chloroform	**0.00056**	0.00049	ug/l	EPA TO-15	
Benzene	**0.00045**	0.00032	ug/l	EPA TO-15	
Toluene	**0.0023**	0.0015	ug/l	EPA TO-15	
m,p-Xylene	**0.0013**	0.00088	ug/l	EPA TO-15	
Styrene	**0.0013**	0.00086	ug/l	EPA TO-15	

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ATC Group Services - Roseville	Project: ATC030916-10	
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Soil Gas and Vapor Analysis

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-1R (E603047-01) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	**0.22**	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
SS-2 (E603047-02) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
SS-3 (E603047-03) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	**0.23**	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
SS-4 (E603047-04) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	**0.22**	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
SSA-1 (E603047-05) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
SSV-1 (E603047-06) Vapor Sampled: 03-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Soil Gas and Vapor Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS1R Dup (E603047-07) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Carbon dioxide	**0.22**	0.20	%	1	EC61105	11-Mar-16	11-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
Helium (LCC)	ND	0.10	"	"	EC61106	11-Mar-16	11-Mar-16	ASTM D1945M	
OA-1 (E603048-01) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
IAA-1 (E603048-02) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
IAV-1 (E603048-03) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
IA-1 (E603048-04) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
IA-2 (E603048-05) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	
IAV-2 (E603048-06) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Carbon dioxide	ND	0.20	%	1	EC61406	14-Mar-16	14-Mar-16	ASTM D1945	
Oxygen	**21**	0.20	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-1R (E603047-01) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	ND	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.030	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	**0.012**	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.062**	0.0038	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.41**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-1R (E603047-01) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
1,1,1,2-Tetrachloroethane	ND	0.0070	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	ND	0.0044	"	"	"	"	"	"	
m,p-Xylene	**0.010**	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	**0.0046**	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*77-127*	"	"	"	"	
SS-2 (E603047-02) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	ND	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-2 (E603047-02) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
2-Butanone (MEK)	ND	0.030	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.060**	0.0038	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.041**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	ND	0.0044	"	"	"	"	"	"	
m,p-Xylene	ND	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	ND	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	

H&P Mobile
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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-2 (E603047-02) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*		*76-134*	*EC61714*	*16-Mar-16*	*17-Mar-16*	*EPA TO-15*	
Surrogate: Toluene-d8		*92.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SS-3 (E603047-03) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	ND	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.030	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.061**	0.0038	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-3 (E603047-03) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
1,1,2-Trichloroethane	ND	0.0055	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.14**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	ND	0.0044	"	"	"	"	"	"	
m,p-Xylene	ND	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	ND	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.1 %*		*77-127*	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-4 (E603047-04) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	**0.032**	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.030	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	**0.041**	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.077**	0.0038	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.81**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-4 (E603047-04) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
1,1,1,2-Tetrachloroethane	ND	0.0070	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	**0.0050**	0.0044	"	"	"	"	"	"	
m,p-Xylene	**0.011**	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	**0.0045**	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*77-127*	"	"	"	"	
SSA-1 (E603047-05) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	ND	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SSA-1 (E603047-05) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
2-Butanone (MEK)	ND	0.030	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.080**	0.0038	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.087**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	ND	0.0044	"	"	"	"	"	"	
m,p-Xylene	**0.0099**	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	ND	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SSA-1 (E603047-05) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*		*76-134*	*EC61714*	*16-Mar-16*	*17-Mar-16*	*EPA TO-15*	
Surrogate: Toluene-d8		*93.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	
SSV-1 (E603047-06) Vapor Sampled: 03-Mar-16 Received: 09-Mar-16									
1,1-Difluoroethane (LCC)	**0.015**	0.0055	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	**0.061**	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	**0.0074**	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**0.012**	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.030	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	**0.0061**	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	**0.025**	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	

H&P Mobile
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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SSV-1 (E603047-06) Vapor Sampled: 03-Mar-16 Received: 09-Mar-16									
Toluene	**0.042**	0.0038	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.45**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	**0.0063**	0.0044	"	"	"	"	"	"	
m,p-Xylene	**0.023**	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	**0.0081**	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.0082**	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS1R Dup (E603047-07) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0050	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	ND	0.0021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0071	"	"	"	"	"	"	
Vinyl chloride	ND	0.0026	"	"	"	"	"	"	
Bromomethane	ND	0.016	"	"	"	"	"	"	
Chloroethane	ND	0.0080	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.0056	"	"	"	"	"	"	
Acetone	**0.062**	0.024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0061	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.0035	"	"	"	"	"	"	
Carbon disulfide	ND	0.0063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0036	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0041	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.030	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0042	"	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0042	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.0041	"	"	"	"	"	"	
Benzene	ND	0.0032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0042	"	"	"	"	"	"	
Trichloroethene	**0.011**	0.0055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0046	"	"	"	"	"	"	
Toluene	**0.057**	0.0038	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0086	"	"	"	"	"	"	
Tetrachloroethene	**0.43**	0.0069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0078	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS1R Dup (E603047-07) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
1,1,1,2-Tetrachloroethane	ND	0.0070	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chlorobenzene	ND	0.0047	"	"	"	"	"	"	
Ethylbenzene	ND	0.0044	"	"	"	"	"	"	
m,p-Xylene	ND	0.0088	"	"	"	"	"	"	
Styrene	ND	0.0043	"	"	"	"	"	"	
o-Xylene	ND	0.0044	"	"	"	"	"	"	
Bromoform	ND	0.010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	
OA-1 (E603048-01) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	**0.0019**	0.0010	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	
Chloromethane	**0.00099**	0.00021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.00071	"	"	"	"	"	"	
Vinyl chloride	ND	0.00013	"	"	"	"	"	"	
Bromomethane	ND	0.00039	"	"	"	"	"	"	
Chloroethane	ND	0.00027	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0016**	0.00056	"	"	"	"	"	"	
Acetone	**0.0044**	0.0012	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0015	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.00077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.00035	"	"	"	"	"	"	
Carbon disulfide	ND	0.00032	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.00073	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00041	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

OA-1 (E603048-01) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
2-Butanone (MEK)	**0.00079**	0.00060	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	
cis-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.00085	"	"	"	"	"	"	
Chloroform	ND	0.00025	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.00085	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00041	"	"	"	"	"	"	
Benzene	**0.00025**	0.00016	"	"	"	"	"	"	
Carbon tetrachloride	**0.00057**	0.00032	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.00085	"	"	"	"	"	"	
Trichloroethene	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00047	"	"	"	"	"	"	
Bromodichloromethane	ND	0.00068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.00083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
Toluene	**0.00080**	0.00076	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.00055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.00083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.00086	"	"	"	"	"	"	
Tetrachloroethene	ND	0.00069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.00078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.00070	"	"	"	"	"	"	
Chlorobenzene	ND	0.00047	"	"	"	"	"	"	
Ethylbenzene	ND	0.00044	"	"	"	"	"	"	
m,p-Xylene	ND	0.00044	"	"	"	"	"	"	
Styrene	ND	0.00043	"	"	"	"	"	"	
o-Xylene	ND	0.00044	"	"	"	"	"	"	
Bromoform	ND	0.0010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.00070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.00050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.00050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.00050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0019	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0027	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
OA-1 (E603048-01) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*76-134*	*EC61714*	*16-Mar-16*	*16-Mar-16*	*EPA TO-15*	
Surrogate: Toluene-d8		*92.3 %*		*78-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*78.4 %*		*77-127*	*"*	*"*	*"*	*"*	
IAA-1 (E603048-02) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	**0.0016**	0.0010	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	
Chloromethane	**0.00096**	0.00021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.00071	"	"	"	"	"	"	
Vinyl chloride	ND	0.00013	"	"	"	"	"	"	
Bromomethane	ND	0.00039	"	"	"	"	"	"	
Chloroethane	ND	0.00027	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0015**	0.00056	"	"	"	"	"	"	
Acetone	**0.016**	0.0012	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0015	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.00077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**0.00049**	0.00035	"	"	"	"	"	"	
Carbon disulfide	ND	0.00032	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.00073	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00041	"	"	"	"	"	"	
2-Butanone (MEK)	**0.0016**	0.00060	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.00085	"	"	"	"	"	"	
Chloroform	**0.00032**	0.00025	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.00085	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00041	"	"	"	"	"	"	
Benzene	**0.00036**	0.00016	"	"	"	"	"	"	
Carbon tetrachloride	**0.00055**	0.00032	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.00085	"	"	"	"	"	"	
Trichloroethene	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00047	"	"	"	"	"	"	
Bromodichloromethane	ND	0.00068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.00083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
Toluene	**0.0054**	0.00076	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAA-1 (E603048-02) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
1,1,2-Trichloroethane	ND	0.00055	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	
2-Hexanone (MBK)	ND	0.00083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.00086	"	"	"	"	"	"	
Tetrachloroethene	ND	0.00069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.00078	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.00070	"	"	"	"	"	"	
Chlorobenzene	ND	0.00047	"	"	"	"	"	"	
Ethylbenzene	ND	0.00044	"	"	"	"	"	"	
m,p-Xylene	**0.0010**	0.00044	"	"	"	"	"	"	
Styrene	**0.00043**	0.00043	"	"	"	"	"	"	
o-Xylene	ND	0.00044	"	"	"	"	"	"	
Bromoform	ND	0.0010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.00070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.00050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.00050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.00050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0019	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0027	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*77-127*	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAV-1 (E603048-03) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	**0.0020**	0.0010	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	**0.0015**	0.00021	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.00071	"	"	"	"	"	"	
Vinyl chloride	ND	0.00013	"	"	"	"	"	"	
Bromomethane	ND	0.00039	"	"	"	"	"	"	
Chloroethane	ND	0.00027	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0018**	0.00056	"	"	"	"	"	"	
Acetone	**0.015**	0.0012	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0015	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.00077	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**0.00050**	0.00035	"	"	"	"	"	"	
Carbon disulfide	ND	0.00032	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.00073	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00041	"	"	"	"	"	"	
2-Butanone (MEK)	**0.0015**	0.00060	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.00040	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.00085	"	"	"	"	"	"	
Chloroform	**0.00043**	0.00025	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.00085	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00041	"	"	"	"	"	"	
Benzene	**0.00037**	0.00016	"	"	"	"	"	"	
Carbon tetrachloride	**0.00057**	0.00032	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.00085	"	"	"	"	"	"	
Trichloroethene	ND	0.00055	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00047	"	"	"	"	"	"	
Bromodichloromethane	ND	0.00068	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.00083	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00046	"	"	"	"	"	"	
Toluene	**0.0025**	0.00076	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.00055	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.00083	"	"	"	"	"	"	
Dibromochloromethane	ND	0.00086	"	"	"	"	"	"	
Tetrachloroethene	**0.0033**	0.00069	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.00078	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAV-1 (E603048-03) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
1,1,1,2-Tetrachloroethane	ND	0.00070	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chlorobenzene	ND	0.00047	"	"	"	"	"	"	
Ethylbenzene	ND	0.00044	"	"	"	"	"	"	
m,p-Xylene	**0.0011**	0.00044	"	"	"	"	"	"	
Styrene	**0.0022**	0.00043	"	"	"	"	"	"	
o-Xylene	**0.00044**	0.00044	"	"	"	"	"	"	
Bromoform	ND	0.0010	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.00070	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.00050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.00050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.00063**	0.00050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,4-Dichlorobenzene	**0.0013**	0.00061	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.00061	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0019	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0027	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
IA-1 (E603048-04) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	**0.0021**	0.0020	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	**0.0011**	0.00041	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0014	"	"	"	"	"	"	
Vinyl chloride	ND	0.00026	"	"	"	"	"	"	
Bromomethane	ND	0.00079	"	"	"	"	"	"	
Chloroethane	ND	0.00054	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0016**	0.0011	"	"	"	"	"	"	
Acetone	**0.012**	0.0024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0031	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0015	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.00071	"	"	"	"	"	"	
Carbon disulfide	ND	0.00063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0015	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00082	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IA-1 (E603048-04) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
2-Butanone (MEK)	**0.0015**	0.0012	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
cis-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0017	"	"	"	"	"	"	
Chloroform	ND	0.00049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0017	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0011	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00082	"	"	"	"	"	"	
Benzene	**0.00038**	0.00032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.00064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0017	"	"	"	"	"	"	
Trichloroethene	**0.019**	0.0011	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0014	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0017	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
Toluene	**0.0021**	0.0015	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0011	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0017	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0017	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0014	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0016	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0014	"	"	"	"	"	"	
Chlorobenzene	ND	0.00094	"	"	"	"	"	"	
Ethylbenzene	ND	0.00088	"	"	"	"	"	"	
m,p-Xylene	ND	0.00088	"	"	"	"	"	"	
Styrene	ND	0.00086	"	"	"	"	"	"	
o-Xylene	ND	0.00088	"	"	"	"	"	"	
Bromoform	ND	0.0021	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0014	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0010	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0054	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IA-1 (E603048-04) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	*EC61714*	*16-Mar-16*	*17-Mar-16*	*EPA TO-15*	
Surrogate: Toluene-d8		*95.1 %*		*78-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	*"*	*"*	*"*	*"*	
IA-2 (E603048-05) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0020	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	**0.0011**	0.00041	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0014	"	"	"	"	"	"	
Vinyl chloride	ND	0.00026	"	"	"	"	"	"	
Bromomethane	ND	0.00079	"	"	"	"	"	"	
Chloroethane	ND	0.00054	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0015**	0.0011	"	"	"	"	"	"	
Acetone	**0.012**	0.0024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0031	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0015	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.00071	"	"	"	"	"	"	
Carbon disulfide	ND	0.00063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0015	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00082	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.0012	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0017	"	"	"	"	"	"	
Chloroform	ND	0.00049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0017	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0011	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00082	"	"	"	"	"	"	
Benzene	**0.00041**	0.00032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.00064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0017	"	"	"	"	"	"	
Trichloroethene	**0.0072**	0.0011	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0014	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0017	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
Toluene	**0.0026**	0.0015	"	"	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IA-2 (E603048-05) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
1,1,2-Trichloroethane	ND	0.0011	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
2-Hexanone (MBK)	ND	0.0017	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0017	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0014	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0016	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0014	"	"	"	"	"	"	
Chlorobenzene	ND	0.00094	"	"	"	"	"	"	
Ethylbenzene	ND	0.00088	"	"	"	"	"	"	
m,p-Xylene	**0.0011**	0.00088	"	"	"	"	"	"	
Styrene	ND	0.00086	"	"	"	"	"	"	
o-Xylene	ND	0.00088	"	"	"	"	"	"	
Bromoform	ND	0.0021	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0014	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0010	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAV-2 (E603048-06) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
Dichlorodifluoromethane (F12)	ND	0.0020	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chloromethane	**0.0011**	0.00041	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	0.0014	"	"	"	"	"	"	
Vinyl chloride	ND	0.00026	"	"	"	"	"	"	
Bromomethane	ND	0.00079	"	"	"	"	"	"	
Chloroethane	ND	0.00054	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.0013**	0.0011	"	"	"	"	"	"	
Acetone	**0.017**	0.0024	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	0.0031	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.0015	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**0.00075**	0.00071	"	"	"	"	"	"	
Carbon disulfide	ND	0.00063	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.0015	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.00082	"	"	"	"	"	"	
2-Butanone (MEK)	**0.0018**	0.0012	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.00080	"	"	"	"	"	"	
Diisopropyl ether (DIPE)	ND	0.0017	"	"	"	"	"	"	
Chloroform	**0.00056**	0.00049	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	0.0017	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0011	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.00082	"	"	"	"	"	"	
Benzene	**0.00045**	0.00032	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.00064	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	0.0017	"	"	"	"	"	"	
Trichloroethene	ND	0.0011	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.00094	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0014	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.0017	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.00092	"	"	"	"	"	"	
Toluene	**0.0023**	0.0015	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0011	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	0.0017	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0017	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0014	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0016	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAV-2 (E603048-06) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
1,1,1,2-Tetrachloroethane	ND	0.0014	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
Chlorobenzene	ND	0.00094	"	"	"	"	"	"	
Ethylbenzene	ND	0.00088	"	"	"	"	"	"	
m,p-Xylene	**0.0013**	0.00088	"	"	"	"	"	"	
Styrene	**0.0013**	0.00086	"	"	"	"	"	"	
o-Xylene	ND	0.00088	"	"	"	"	"	"	
Bromoform	ND	0.0021	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0014	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.0010	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0010	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0012	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0038	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0054	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Petroleum Hydrocarbon Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SS-1R (E603047-01) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.93**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SS-2 (E603047-02) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.61**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SS-3 (E603047-03) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.66**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SS-4 (E603047-04) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**1.4**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SSA-1 (E603047-05) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**1.5**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SSV-1 (E603047-06) Vapor Sampled: 03-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**2.5**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
SS1R Dup (E603047-07) Vapor Sampled: 24-Feb-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**1.1**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
OA-1 (E603048-01) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	ND	0.10	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	
IAA-1 (E603048-02) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.15**	0.10	ug/l	1	EC61714	16-Mar-16	16-Mar-16	EPA TO-15	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Petroleum Hydrocarbon Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
IAV-1 (E603048-03) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.21**	0.10	ug/l	1	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
IA-1 (E603048-04) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.64**	0.20	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
IA-2 (E603048-05) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	**0.56**	0.20	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	
IAV-2 (E603048-06) Vapor Sampled: 02-Mar-16 Received: 09-Mar-16									
TPHv (C5 - C12)	ND	0.20	ug/l	2	EC61714	16-Mar-16	17-Mar-16	EPA TO-15	

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Soil Gas and Vapor Analysis - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61105 - GC										
Blank (EC61105-BLK1)				Prepared & Analyzed: 11-Mar-16						
Carbon dioxide	ND	0.20	%							
Batch EC61106 - GC										
Blank (EC61106-BLK1)				Prepared & Analyzed: 11-Mar-16						
Helium (LCC)	ND	0.10	%							
Batch EC61406 - GC										
Blank (EC61406-BLK1)				Prepared & Analyzed: 14-Mar-16						
Carbon dioxide	ND	0.20	%							

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915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61714 - TO-15										
Blank (EC61714-BLK1)				Prepared & Analyzed: 16-Mar-16						
1,1-Difluoroethane (LCC)	ND	0.0055	ug/l							
Dichlorodifluoromethane (F12)	ND	0.0010	"							
Chloromethane	ND	0.00021	"							
Dichlorotetrafluoroethane (F114)	ND	0.00071	"							
Vinyl chloride	ND	0.00013	"							
Bromomethane	ND	0.00039	"							
Chloroethane	ND	0.00027	"							
Trichlorofluoromethane (F11)	ND	0.00056	"							
Acetone	ND	0.0012	"							
1,1-Dichloroethene	ND	0.00040	"							
Tertiary-butyl alcohol (TBA)	ND	0.0015	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.00077	"							
Methylene chloride (Dichloromethane)	ND	0.00035	"							
Carbon disulfide	ND	0.00032	"							
trans-1,2-Dichloroethene	ND	0.00040	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.00073	"							
1,1-Dichloroethane	ND	0.00041	"							
2-Butanone (MEK)	ND	0.00060	"							
cis-1,2-Dichloroethene	ND	0.00040	"							
Diisopropyl ether (DIPE)	ND	0.00085	"							
Chloroform	ND	0.00025	"							
Ethyl tert-butyl ether (ETBE)	ND	0.00085	"							
1,1,1-Trichloroethane	ND	0.00055	"							
1,2-Dichloroethane (EDC)	ND	0.00041	"							
Benzene	ND	0.00016	"							
Carbon tetrachloride	ND	0.00032	"							
Tertiary-amyl methyl ether (TAME)	ND	0.00085	"							
Trichloroethene	ND	0.00055	"							
1,2-Dichloropropane	ND	0.00047	"							
Bromodichloromethane	ND	0.00068	"							
cis-1,3-Dichloropropene	ND	0.00046	"							
4-Methyl-2-pentanone (MIBK)	ND	0.00083	"							
trans-1,3-Dichloropropene	ND	0.00046	"							
Toluene	ND	0.00076	"							

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915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61714 - TO-15										
Blank (EC61714-BLK1)				Prepared & Analyzed: 16-Mar-16						
1,1,2-Trichloroethane	ND	0.00055	ug/l							
2-Hexanone (MBK)	ND	0.00083	"							
Dibromochloromethane	ND	0.00086	"							
Tetrachloroethene	ND	0.00069	"							
1,2-Dibromoethane (EDB)	ND	0.00078	"							
1,1,1,2-Tetrachloroethane	ND	0.00070	"							
Chlorobenzene	ND	0.00047	"							
Ethylbenzene	ND	0.00044	"							
m,p-Xylene	ND	0.00044	"							
Styrene	ND	0.00043	"							
o-Xylene	ND	0.00044	"							
Bromoform	ND	0.0010	"							
1,1,2,2-Tetrachloroethane	ND	0.00070	"							
4-Ethyltoluene	ND	0.00050	"							
1,3,5-Trimethylbenzene	ND	0.00050	"							
1,2,4-Trimethylbenzene	ND	0.00050	"							
1,3-Dichlorobenzene	ND	0.00061	"							
1,4-Dichlorobenzene	ND	0.00061	"							
1,2-Dichlorobenzene	ND	0.00061	"							
1,2,4-Trichlorobenzene	ND	0.0019	"							
Hexachlorobutadiene	ND	0.0027	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		"	*0.0429*		*116*	*76-134*			
Surrogate: Toluene-d8	*0.0389*		"	*0.0414*		*93.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*0.0610*		"	*0.0729*		*83.6*	*77-127*			
LCS (EC61714-BS1)				Prepared & Analyzed: 16-Mar-16						
Dichlorodifluoromethane (F12)	0.024	0.0010	ug/l	0.0202		118	59-128			
Vinyl chloride	0.0076	0.00013	"	0.0104		73.5	64-127			
Chloroethane	0.0075	0.00027	"	0.0107		70.2	63-127			
Trichlorofluoromethane (F11)	0.027	0.00056	"	0.0226		118	62-126			
1,1-Dichloroethene	0.016	0.00040	"	0.0162		96.2	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	0.033	0.00077	"	0.0310		107	66-126			
Methylene chloride (Dichloromethane)	0.012	0.00035	"	0.0142		86.4	62-115			

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Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61714 - TO-15										
LCS (EC61714-BS1)				Prepared & Analyzed: 16-Mar-16						
trans-1,2-Dichloroethene	0.015	0.00040	ug/l	0.0162		90.1	67-124			
1,1-Dichloroethane	0.015	0.00041	"	0.0165		92.7	68-126			
cis-1,2-Dichloroethene	0.013	0.00040	"	0.0160		83.4	70-121			
Chloroform	0.020	0.00025	"	0.0198		99.4	68-123			
1,1,1-Trichloroethane	0.025	0.00055	"	0.0222		113	68-125			
1,2-Dichloroethane (EDC)	0.018	0.00041	"	0.0165		108	65-128			
Benzene	0.0092	0.00016	"	0.0130		70.9	69-119			
Carbon tetrachloride	0.029	0.00032	"	0.0256		113	68-132			
Trichloroethene	0.020	0.00055	"	0.0219		93.3	71-123			
Toluene	0.013	0.00076	"	0.0154		83.2	66-119			
1,1,2-Trichloroethane	0.019	0.00055	"	0.0222		84.8	73-119			
Tetrachloroethene	0.027	0.00069	"	0.0276		99.4	66-124			
1,1,1,2-Tetrachloroethane	0.030	0.00070	"	0.0280		108	67-129			
Ethylbenzene	0.015	0.00044	"	0.0177		86.8	70-124			
m,p-Xylene	0.015	0.00044	"	0.0177		85.2	61-134			
o-Xylene	0.015	0.00044	"	0.0177		83.5	67-125			
1,1,2,2-Tetrachloroethane	0.021	0.00070	"	0.0280		73.6	65-127			
Surrogate: 1,2-Dichloroethane-d4	*0.0495*		"	*0.0429*		*115*	*76-134*			
Surrogate: Toluene-d8	*0.0379*		"	*0.0414*		*91.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*0.0645*		"	*0.0729*		*88.4*	*77-127*			

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Petroleum Hydrocarbon Analysis - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61714 - TO-15										
Blank (EC61714-BLK1)				Prepared & Analyzed: 16-Mar-16						
TPHv (C5 - C12)	ND	0.10	ug/l							

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ATC Group Services - Roseville	Project: ATC030916-10	
915 Highland Pointe Drive, Suite 250	Project Number: 580 Marketplace / Weingarden	Reported:
Roseville, CA 95678	Project Manager: Mr. Gabe Stivala	22-Mar-16 08:26

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L11-175.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

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VAPOR / AIR Chain of Custody

DATE: 3-4-16
Page 1 of ____

Lab Client and Project Information

Lab Client/Consultant: ATC Group Services LLC
Lab Client Project Manager: Gabe Stivala
Lab Client Address: 915 Highland Pointe Drive, Suite 250
Lab Client City, State, Zip: Roseville, CA 95678
Phone Number: 916-724-5201

Project Name / #: 580 Marketplace/Weingarden
Project Location: 3735 E. Castro Valley Blvd, Castro Valley, CA
Report E-Mail(s): Jim.Kundert@atcassociates.com
gabe.stivala@atcassociates.com

Sample Receipt (Lab Use Only)

Date Rec'd: 3/9/16 Control #: 160177.01
H&P Project # ATC030916-10
Lab Work Order # E603047
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #: 1Z93T7601905089233 3
Lab PM Initials: SUZ

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: ____
☒ CA Geotracker Global ID: T10000004345

Turnaround Time

☒ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☐ Mobile Lab
☐ 48-Hr Rush ☐ Other: ____

Sampler Information

Sampler(s): Jim Kundert
Signature:
Date: 3-3-16

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached
** Preferred VOC units (please choose one):*
☒ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☒ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☒ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☒ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☒ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☒ CO2 ☒ O2 ☒ N2	Leak Check Compound 1,1-DFA		
SS-1R		2-24-16	1017	SS	400 mL	146	-4.83	X		X		X			X		X			
SS-2		2-24-16	1103	↓	↓	014	-4.79	X		X		X			X		X			
SS-3		2-24-16	1041			124	-5.01	X		X		X			X		X			
SS-4		2-24-16	0950			129	-4.07	X		X		X			X		X			
SSA-1		2-24-16	1122			055	-5.21	X		X		X			X		X			
SSV-1		3-3-16	1154			132	-4.09	X		X		X					X	X		
SS1R Dup		2-24-16	1017	↓	↓	149	-4.78	X		X		X			X		X			

	Company	Date	Time		Company	Date	Time
Approved/Relinquished by:	ATC	3-7-16	1235	Received by: Jon Unswath	H&P	3/9/16	1130am
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

**Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back*

Rev 08/18/2014

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VAPOR / AIR Chain of Custody

DATE: 3-4-16
Page ____ of ____

Lab Client and Project Information

Lab Client/Consultant: ATC Group Services LLC	Project Name / #: 580 Marketplace / Weingarden
Lab Client Project Manager: Gabe Stivala	Project Location: 3735 E. Castro Valley Blvd, Castro Valley
Lab Client Address: 915 Highland Pointe Dr., Suite 250	Report E-Mail(s): Jim.Kundert@atcassociates.com gabe.stivala@atcassociates.com
Lab Client City, State, Zip: Roseville, CA 95678	
Phone Number: 916-724-5201	

Reporting Requirements

- [x] Standard Report [ ] Level III [ ] Level IV
- [ ] Excel EDD [ ] Other EDD: _____
- [x] CA Geotracker Global ID: T10000004345

Turnaround Time

- [x] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [ ] Mobile Lab
- [ ] 48-Hr Rush [ ] Other: _____

Sampler Information

Sampler(s): Jim Kundert
Signature:
Date: 3-4-16

Sample Receipt (Lab Use Only)

Date Rec'd: 3/9/16	Control #: 160177.01
H&P Project # ATC030916-10	
Lab Work Order # E603048	
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID: 1076084	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #: 1Z93TT619050580536 1Z93TT619050520547	
Lab PM Initials: SUZ	

Additional Instructions to Laboratory:

- [ ] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [x] µg/L [ ] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [x] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [x] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [x] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [ ] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [x] CO2 [x] O2 [ ] N2			
OA-1		3-2-16	1150	AA	6L summa	504	-5.16	X		X		X					X			
IAA-1			1104	IA		294	-4.31	X		X		X					X			
IAV-1			1116			315	-8.57	X		X		X					X			
IA-1			1130			481	-3.91	X		X		X					X			
IA-2			1135			503	-5.35	X		X		X					X			
IAV-2			1114			448	-3.60	X		X		X					X			

Approved/Relinquished by:	Company: ATC	Date: 3-7-16	Time: 1236	Received by: Jon Unsworth	Company: H&P	Date: 3/9/16	Time: 1130am
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 08/18/2014