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RECEIVED

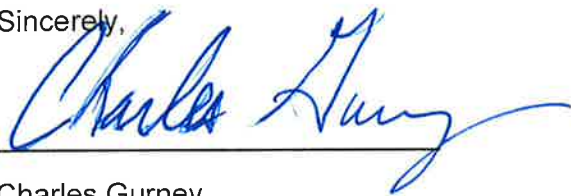
By Alameda County Environmental Health 8:07 am, Nov 04, 2015

SUBJECT Sub-Slab Vapor and Indoor Air Assessment Report
Exterior Additional Soil and Soil Vapor Assessment Work Plan
Dry Clean 580 and Adjacent Retail Units
3735 East Castro Valley Boulevard
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: 5-4-15

People-to-People. Coast-to-Coast.

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May 4, 2015
Cardno 2863.R01

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

Ms. Detterman:

On behalf of Weingarten Realty Investors (Weingarten), Cardno ATC conducted sub-slab vapor and indoor and outdoor air assessment at the subject site and two adjacent retail units. The work was conducted in accordance with Cardno ATC's *Indoor Air Quality Assessment and Additional Sub-Slab Work Plan (Scope of Work)* and *Sub-Slab Vapor and Indoor Air Assessment Work Plan Addendum (Work Plan)* (Cardno ATC, 2014a; 2014b). The Scope of Work and Work Plan were revised in response to comments from Alameda County Environmental Health (ACEH). The ACEH approved the Scope of Work and Work Plan, upon contingent submittals, in electronic correspondence dated January 8, 2015 (Appendix A).

SITE DESCRIPTION

The site is located in the 580 Market Place Shopping Center in Castro Valley, California (Plate 1). A Generalized Site Plan illustrating the layout of pertinent areas of the shopping center is included as Plate 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.

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APPLICABLE SCREENING LEVELS

For the sub-slab vapor investigation, Cardno ATC compared the analytical results to calculated screening levels based on the San Francisco Bay Regional Water Quality Control Board's Summary Table E3, 2013 Environmental Screening Levels (ESLs) for Commercial/Industrial Indoor Air (CRWQCB-SFB, 2013), and a default attenuation factor of 0.05. For the indoor air investigation, Cardno 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 3, dated July 14, 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 accordance with the Scope of Work and Work Plan (Cardno ATC, 2014a; 2014b), the protocols included in Appendix B, a site-specific safety plan, and applicable regulatory guidelines under the advisement of a professional geologist. Well locations are shown on Plate 2.

Pre-Field Activities

Prior to site mobilization for vapor assessment activities, Cardno ATC visited the site to check for subsurface obstructions and to mark the proposed locations. Underground Service Alert (USA), Alameda County and the respective tenants were notified at least 48 hours prior to the onset of field activities. Permits were not required for sub-slab well installation.

Well Installation and Sampling

On March 4, 2015, Cardno ATC installed six sub-slab vapor wells at the site using Vapor Pin™ devices distributed by Cox-Colvin & Associates, Inc. (Cox-Colvin). Vapor Pin™ installation protocols are included in the Cox-Colvin Standard Operation Procedure in Appendix B. In the Dry Clean 580 unit, four 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.

On March 4, 2015, Cardno ATC purged and sampled sub-slab vapor wells SS-1R, SS-2 through SS-4, SSV-1, 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, Cardno ATC applied the three volume default purge from each sub-slab well prior to sample collection.

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To assess potential leaks in the sampling equipment, a purging and sampling manifold was connected to each well prior to purging and sampling. Cardno ATC then applied a vacuum of approximately 15 to 22 inches of mercury (in Hg) to the sample collection system and turned off the vacuum pump. 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 and Summa™ canister. 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 Tedlar bag via a lung-box and screening the contents of the Tedlar bag with 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 select Tedlar bag samples at concentrations up to 125 ppmv (0.0125%), indicating there was a slight leak in the vapor pin system or sampling tubing; however, the respective concentrations did not exceed DTSC guidance for leakage (0.125% of leaked vapor). Field data sheets are included in Appendix C. Photographs of the sample equipment are included in Appendix D.

Laboratory Analyses

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

Results

The leak detection compound (helium) was detected in samples from sub-slab wells SS-1R, SS-2 through SS-4, SSV-1, and SSA-1 by laboratory analyses at concentrations up to 0.0548%. With a helium concentration of 10% within the shroud, the respective concentrations indicate a calculated volume of leaked vapor of 0.0055%. The volume of leaked vapor indicates that the following reported concentrations are representative of actual sub-slab vapor conditions.

- PCE was reported at 390 $\mu\text{g}/\text{m}^3$ (SS-1R), 350 $\mu\text{g}/\text{m}^3$ (SS-4), and 110 $\mu\text{g}/\text{m}^3$ (SSV-1), above the sub-slab guidance concentration (42 $\mu\text{g}/\text{m}^3$) as calculated using the commercial/industrial ESL (2.1 $\mu\text{g}/\text{m}^3$) and an attenuation factor of 0.05.
- TCE was reported at 62 $\mu\text{g}/\text{m}^3$ (SS-4), above the sub-slab guidance concentration (60 $\mu\text{g}/\text{m}^3$) as calculated using the commercial/industrial ESL (3.0 $\mu\text{g}/\text{m}^3$) and an attenuation factor of 0.05.

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- HVOCs were detected in the sub-slab vapor samples, including vinyl chloride, carbon tetrachloride, chloroform, and chloromethane (among others). Concentrations were reported below the sub-slab guidance concentration as calculated using the respective commercial/industrial ESL and an attenuation factor of 0.05.
- Petroleum hydrocarbons including MTBE, BTEX, naphthalene, ethanol, and other VOCs were also reported at concentrations below the sub-slab guidance concentration as calculated using the commercial/industrial ESL and an attenuation factor of 0.05.

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

Pre-Sampling Activities

Cardno ATC negotiated access with each of the unit owners and tenants of Dryclean 580 unit, and the two adjacent buildings, Verizon, and AT&T. Cardno ATC prepared a fact sheet dated December 2014 summarizing relevant information. The fact sheet was distributed to the 580 Market Place Shopping Center tenants, the County, and property owners. Copies of the fact sheets are included in Appendix F.

Unit Inspection and Survey

On February 25, 2015, 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.

Upon conclusion of the tenant inspection and survey activities, Cardno ATC staff completed building survey and indoor air monitoring forms. A copy of the building survey and indoor air monitoring forms are included in Appendix G.

Identification and Removal of Chemical Products

During the meeting with the tenants of the Dry Clean 580, Verizon, and AT&T units on February 25, 2015, Cardno 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. Cardno 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 (Appendix F). Two 5-gallon drums containing the main dry cleaning product used during business operations could not be removed.

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HVAC System Evaluation

Cardno 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 Plate 2. Air samples were collected at the following locations:

- From March 4 to March 5, 2015, two indoor air samples (IA1 and IA2) and one duplicate sample (IA1 Dup) 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 (Plate 2).
- From March 4 to March 5, 2015, 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 (Plate 2).
- From March 4 to March 5, 2015, 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 (Plate 2).
- From March 4 to March 5, 2015, one outdoor air sample was collected 6 feet above ground level. The sample (OA1) was collected on the southeastern side of the building, behind all three units.
- Photographs of each canister, showing the identification tag and vacuum gauge were taken at the beginning of sampling and prior to removal to monitor and record air intake progress (Appendix D). Field forms taken during the sample collection are included in Appendix C. Canister vacuums were again recorded at the end of sample collection. 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.

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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 Plate 5 and Plate 6. The analytical results from the indoor air samples collected between March 4, and March 5, 2015:

- TCE was reported in indoor air at concentrations ranging from 0.25 to 3.5 $\mu\text{g}/\text{m}^3$, which exceed the ESL (3.0 $\mu\text{g}/\text{m}^3$). The concentrations do not exceed the Interim TCE indoor air response action levels for urgent response (21 and 24 $\mu\text{g}/\text{m}^3$) or accelerated response (7 and 8 $\mu\text{g}/\text{m}^3$).
- Carbon tetrachloride was reported in indoor air at concentrations ranging from 0.41 to 0.43 $\mu\text{g}/\text{m}^3$, which exceed the ESL (0.29 $\mu\text{g}/\text{m}^3$).
- TPHg was reported at 9,100 $\mu\text{g}/\text{m}^3$ (IA1) and 12,000 $\mu\text{g}/\text{m}^3$ (IA1 Dup) which exceed the ESL (2,500 $\mu\text{g}/\text{m}^3$).
- Benzene was reported at concentrations ranging from 1.1 $\mu\text{g}/\text{m}^3$ (IA2) to 1.3 $\mu\text{g}/\text{m}^3$ (IA1), which exceed the ESL (0.42 $\mu\text{g}/\text{m}^3$).
- PCE, 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 Plate 5 and Plate 6. The analytical results from the indoor air samples collected on March 4, 2015 indicated that:

- TPHg was reported above the laboratory reporting limit at concentrations of 610 $\mu\text{g}/\text{m}^3$ in sample IAV2, and 680 $\mu\text{g}/\text{m}^3$ in sample IAA1. These concentrations are below the ESL (2,500 $\mu\text{g}/\text{m}^3$).
- Benzene was reported at concentrations ranging from 1.5 $\mu\text{g}/\text{m}^3$ in sample IAV1 to 1.9 $\mu\text{g}/\text{m}^3$ in sample IAA1, above the ESL (0.42 $\mu\text{g}/\text{m}^3$).
- Carbon tetrachloride was reported in indoor air at concentrations ranging from 0.43 to 0.46 $\mu\text{g}/\text{m}^3$, which exceed the ESL (0.29 $\mu\text{g}/\text{m}^3$).
- PCE, 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 4, 2015 indicated that:

- TPHg was not reported above the laboratory reporting limit.
- Benzene was reported at a concentration of 1.7 $\mu\text{g}/\text{m}^3$. The reported background outdoor air concentration for benzene exceeds the ESL.

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- Carbon tetrachloride was reported at a concentration of 0.46 $\mu\text{g}/\text{m}^3$. The reported background outdoor air concentration for carbon tetrachloride exceeds the ESL.
- Toluene, ethylbenzene, total xylenes, and naphthalene (among other HVOCs and VOCs) were reported at concentrations above laboratory reporting limits.

Background Outdoor Air Quality

Cardno 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 $\mu\text{g}/\text{m}^3$, 0.70 $\mu\text{g}/\text{m}^3$) are higher than the reported concentrations in the indoor air samples.
- The average background PCE concentrations (0.11 $\mu\text{g}/\text{m}^3$, 0.17 $\mu\text{g}/\text{m}^3$) were below but similar to the reported indoor air concentrations (0.43 $\mu\text{g}/\text{m}^3$ to 1.5 $\mu\text{g}/\text{m}^3$).
- The average TCE concentrations (0.01 $\mu\text{g}/\text{m}^3$, 0.05 $\mu\text{g}/\text{m}^3$) are less than the reported indoor air concentrations (0.25 $\mu\text{g}/\text{m}^3$ to 3.5 $\mu\text{g}/\text{m}^3$).
- The average carbon tetrachloride concentrations (0.67 $\mu\text{g}/\text{m}^3$, 0.66 $\mu\text{g}/\text{m}^3$) are higher than the reported indoor air concentrations (0.41 $\mu\text{g}/\text{m}^3$ to 0.46 $\mu\text{g}/\text{m}^3$). The carbon tetrachloride concentration in the outdoor air sample (0.46 $\mu\text{g}/\text{m}^3$) is similar to the reported indoor air concentrations.

CONCLUSIONS AND RECOMMENDATIONS

The purpose of the work was 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, Cardno ATC concludes the following:

- HVOCs are present in sub-slab vapor, including methylene chloride, PCE, TCE, and vinyl chloride (among other compounds). Of these compounds PCE and TCE exceeded the sub-slab guidance concentration as calculated using the commercial/industrial ESL and an attenuation factor of 0.05. Reported concentrations for all other compounds were below the sub-slab guidance concentrations as calculated using the commercial/industrial ESL and an attenuation factor of 0.05.

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- Petroleum hydrocarbons including MTBE, BTEX, naphthalene, and ethanol are present in sub-slab vapor. Reported concentrations did not exceed ESLs for soil vapor the sub-slab guidance concentrations as calculated using the commercial/industrial ESL and an attenuation factor of 0.05.
- HVOCs, including methylene chlorine, PCE, TCE (among other compounds) were present in reportable concentrations in the indoor air samples. Of these compounds, only TCE exceeded the commercial and industrial ESL. However, TCE concentrations did not exceed, the TCE Health Risk screening level (DTSC 2014) or the Interim Health Risk Screening Level.
- Reported TPHg concentrations in indoor air exceeded the commercial and industrial ESL, however indoor air concentrations are greater than the reported sub-slab soil vapor concentrations. Sub-slab TPHg concentrations are below the sub-slab guidance concentrations as calculated using the commercial/industrial ESL and an attenuation factor of 0.05.
- 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).
- Reported carbon tetrachloride concentrations in indoor air are similar below concentrations reported in the outdoor air sample and background outdoor air samples reported by the BAAQMD.
- Benzene concentrations in indoor air were below or similar to concentrations in the outdoor air sample and background outdoor air reported by the BAAQMD.

Cardno ATC concludes that the current indoor air quality at the Dry Clean 580 facility and adjacent units does not pose an immediate health risk to commercial occupants or patrons. Cardno ATC recommends an additional sampling event during third quarter 2015 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 Cardno ATC, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno 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.

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

Sincerely,



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Enclosures:

References

Acronym List

| | |
|------------|--|
| Plate 1 | Site Vicinity Map |
| Plate 2 | Generalized Site Plan |
| Plate 3 | Select HVOC Concentrations in Sub-Slab Vapor |
| Plate 4 | Select Hydrocarbon Concentrations in Sub-Slab Vapor |
| Plate 5 | Select HVOC Concentrations in Indoor and Outdoor Air |
| Plate 6 | Select Hydrocarbon Concentrations in Indoor and Outdoor Air |
| | |
| Table 1A | Sub-Slab Soil Vapor Analytical Results – HVOCs |
| Table 1B | Sub-Slab Soil Vapor Analytical Results – HVOCs |
| Table 1C | Sub-Slab Soil Vapor Analytical Results – Atmospheric Gases and Hydrocarbons |
| Table 1D | Sub-Slab Soil Vapor Analytical Results – VOCs |
| Table 2A | Indoor Air and Outdoor Air Analytical Results – HVOCs |
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| | |
| Appendix A | Correspondence |
| Appendix B | Protocols |
| Appendix C | Field Data Sheets |
| Appendix D | Photos |
| Appendix E | Laboratory Analytical Reports |
| Appendix F | Fact Sheet |
| Appendix G | Building Survey and Indoor Air Monitoring Forms |

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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*.

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

Cardno ATC. December 19, 2014b. *Indoor Air Quality Assessment and Additional Sub-Slab Work Plan, 580 Market Place Shopping Center, Castro Valley, California, Alameda County LPO Order No. 3097*.

Department of Toxic Substances Control of the California Environmental Protection Agency (DTSC). October 2011. *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*.

Department of Toxic Substances Control of the California Environmental Protection Agency, Department of Toxic Substances Control, California Regional Water Quality Control Board, Los Angeles Region and San Francisco Region; jointly issued (DTSC). April 2012. *Advisory – Active Soil Gas Investigations*.

Department of Toxic Substances Control of the California Environmental Protection Agency (DTSC). March 2013. *Frequently Asked Questions. 2012 Advisory – Active Soil Gas Investigations (ASGI, 2013)*.

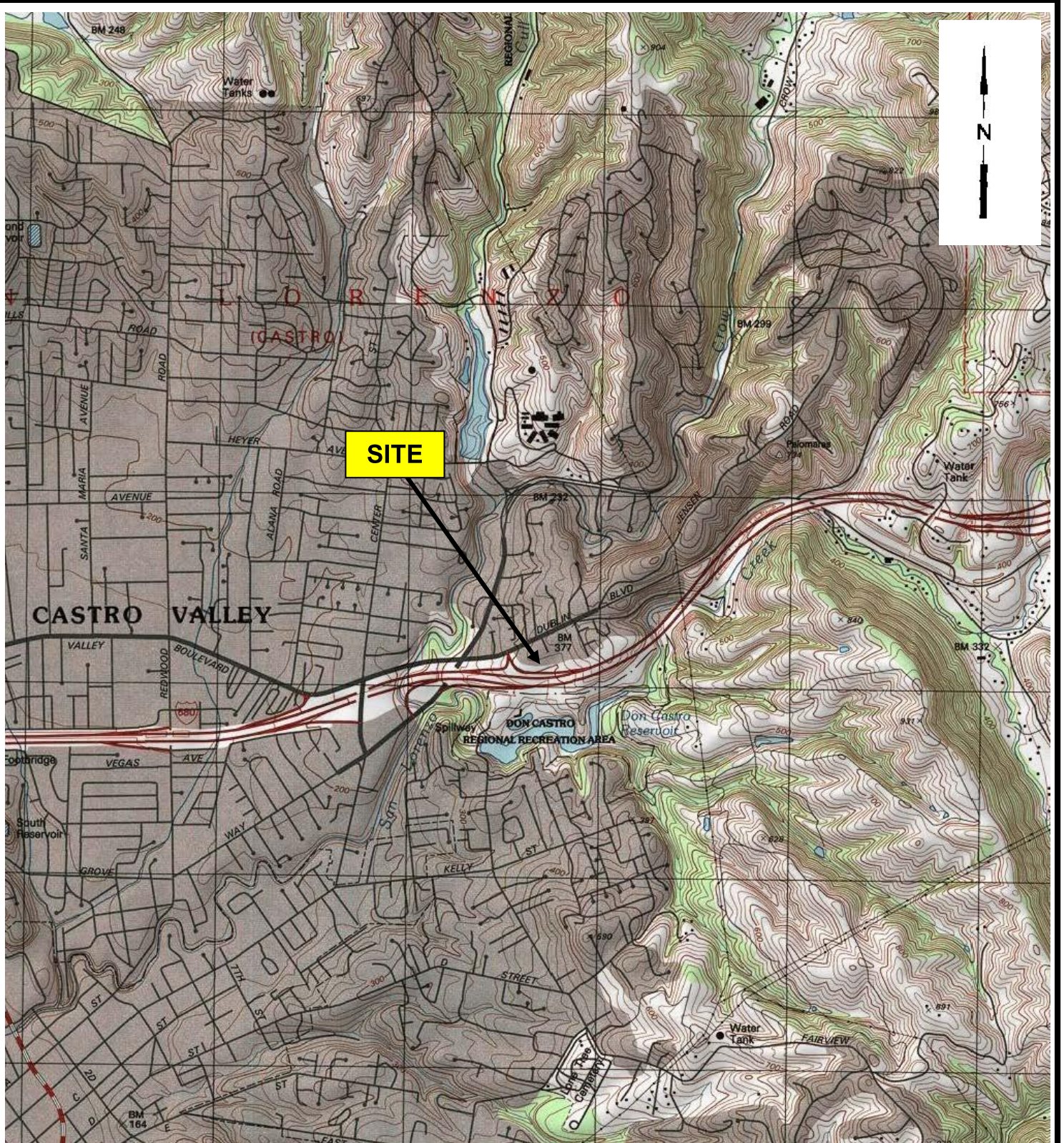
Department of Toxic Substances Control of the California Environmental Protection Agency (DTSC). July 2014. Office of Human and Ecological Risk, *Human Health Risk Assessment Note Number 3*.

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*.

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ACRONYM LIST

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



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**



1117 Lone Palm Ave, Ste 201B
 Modesto, CA 95351
 (209) 579-2221

PROJECT NO: 075.75356.0002

DESIGNED BY: JK

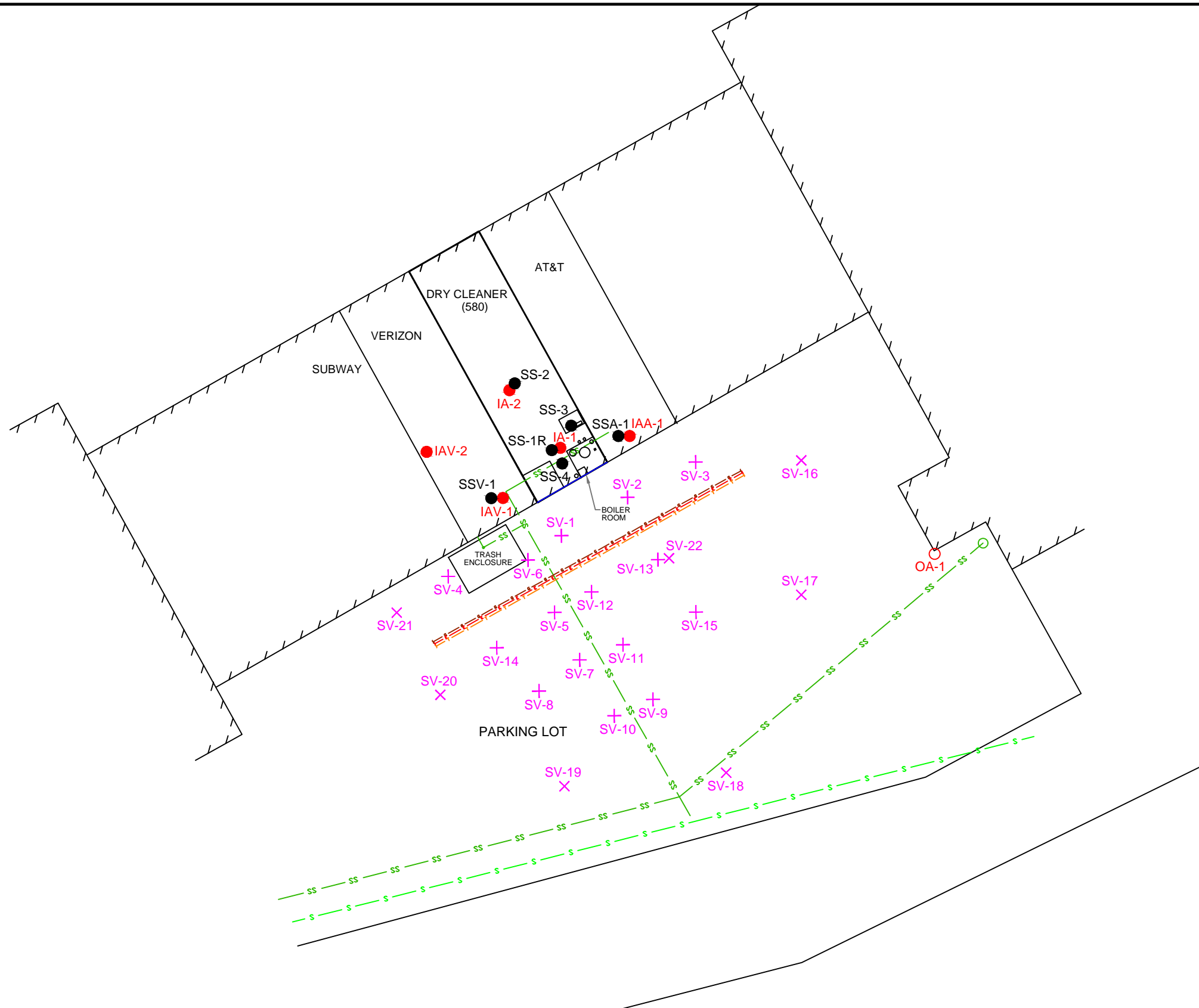
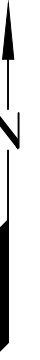
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REVIEWED BY: JH

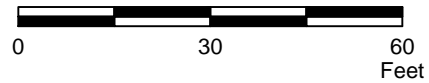
DRAWN BY: JK

DATE: 10/12

FILE: LOCATION



APPROXIMATE SCALE



FN 28630002 R01



GENERALIZED SITE PLAN

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

EXPLANATION

- SS-4
◆ Sub-Slab Vapor Wells
- SV-15
+ Soil Vapor Sampling Well
- SV-22
X Proposed Soil Vapor Sampling Well
- IAA-1
● Indoor Air Sample
- OA-1
○ Outdoor Air Sample

- G — Gas Line
- E — Electric Line
- T — Telephone Line
- SS — Sanitary Sewer
- S — Storm Sewer

PROJECT NO.

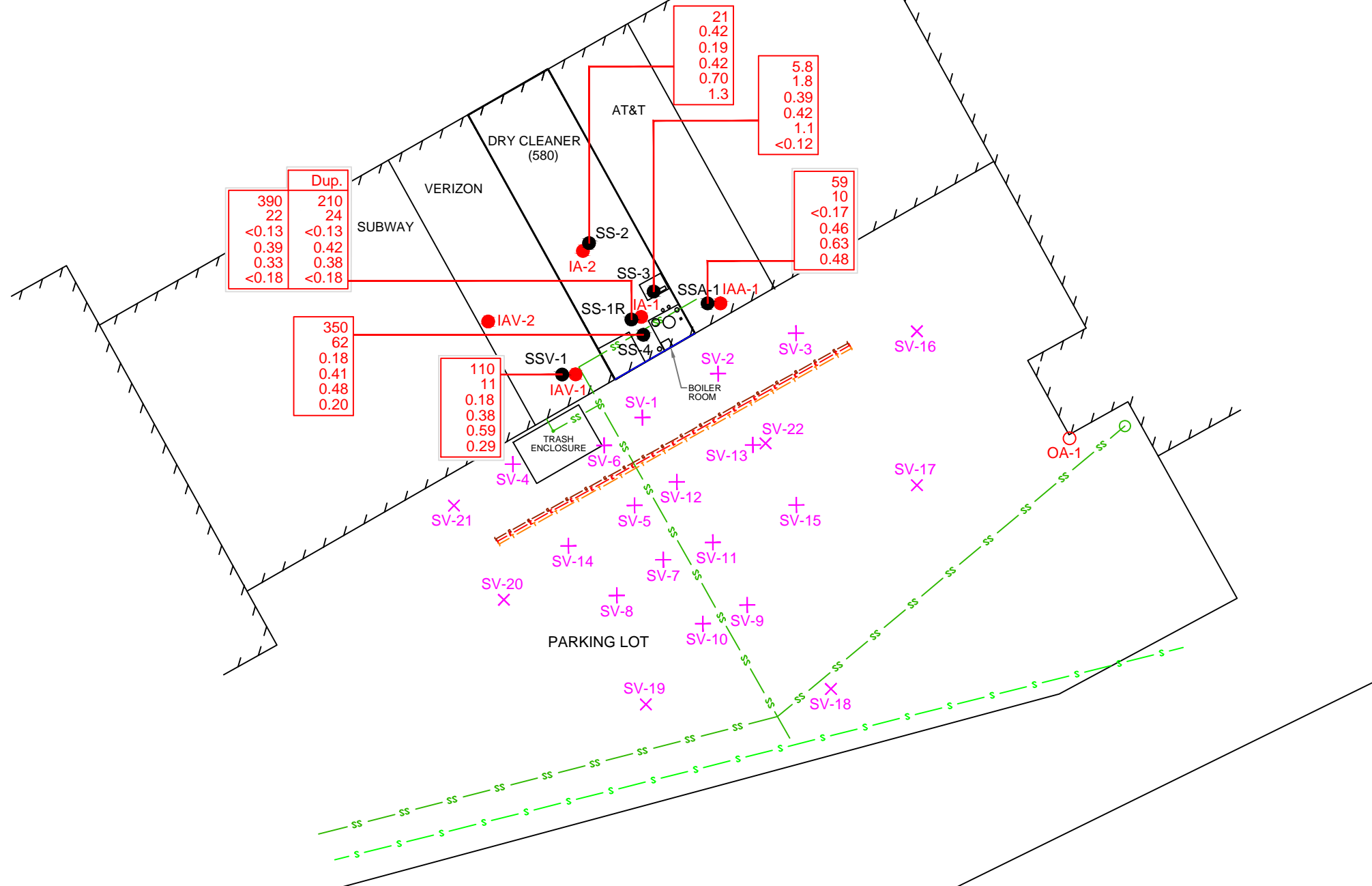
2863

PLATE
2

Analyte Concentrations in ug/m³
 Sampled March 4 and 5, 2015

- Tetrachloroethene
- Trichloroethene
- Methylene chloride
- Carbon tetrachloride
- Chloromethane
- Chloroform

< Less than the Stated Laboratory Reporting Limit
 ug/m³ Micrograms per Meter Cubed



| | | |
|-------|------|-------|
| 390 | Dup. | 210 |
| 22 | | 24 |
| <0.13 | | <0.13 |
| 0.39 | | 0.42 |
| 0.33 | | 0.38 |
| <0.18 | | <0.18 |

| |
|------|
| 21 |
| 0.42 |
| 0.19 |
| 0.42 |
| 0.70 |
| 1.3 |

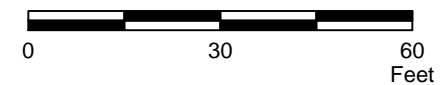
| |
|-------|
| 5.8 |
| 1.8 |
| 0.39 |
| 0.42 |
| 1.1 |
| <0.12 |

| |
|-------|
| 59 |
| 10 |
| <0.17 |
| 0.46 |
| 0.63 |
| 0.48 |

| |
|------|
| 350 |
| 62 |
| 0.18 |
| 0.41 |
| 0.48 |
| 0.20 |

| |
|------|
| 110 |
| 11 |
| 0.18 |
| 0.38 |
| 0.59 |
| 0.29 |

APPROXIMATE SCALE



FN 28630002 R01



**SELECT HVOC CONCENTRATIONS
 IN SUB-SLAB VAPOR
 March 4 and 5, 2015**
 DRY CLEAN 580
 3735 E. Castro Valley Boulevard
 Castro Valley, CA

EXPLANATION

- SS-4 Sub-Slab Vapor Wells
- SV-15 Soil Vapor Sampling Well
- SV-22 Proposed Soil Vapor Sampling Well
- IAA-1 Indoor Air Sample
- OA-1 Outdoor Air Sample

- Gas Line
- Electric Line
- Telephone Line
- Sanitary Sewer
- Storm Sewer

PROJECT NO.

2863

PLATE

3

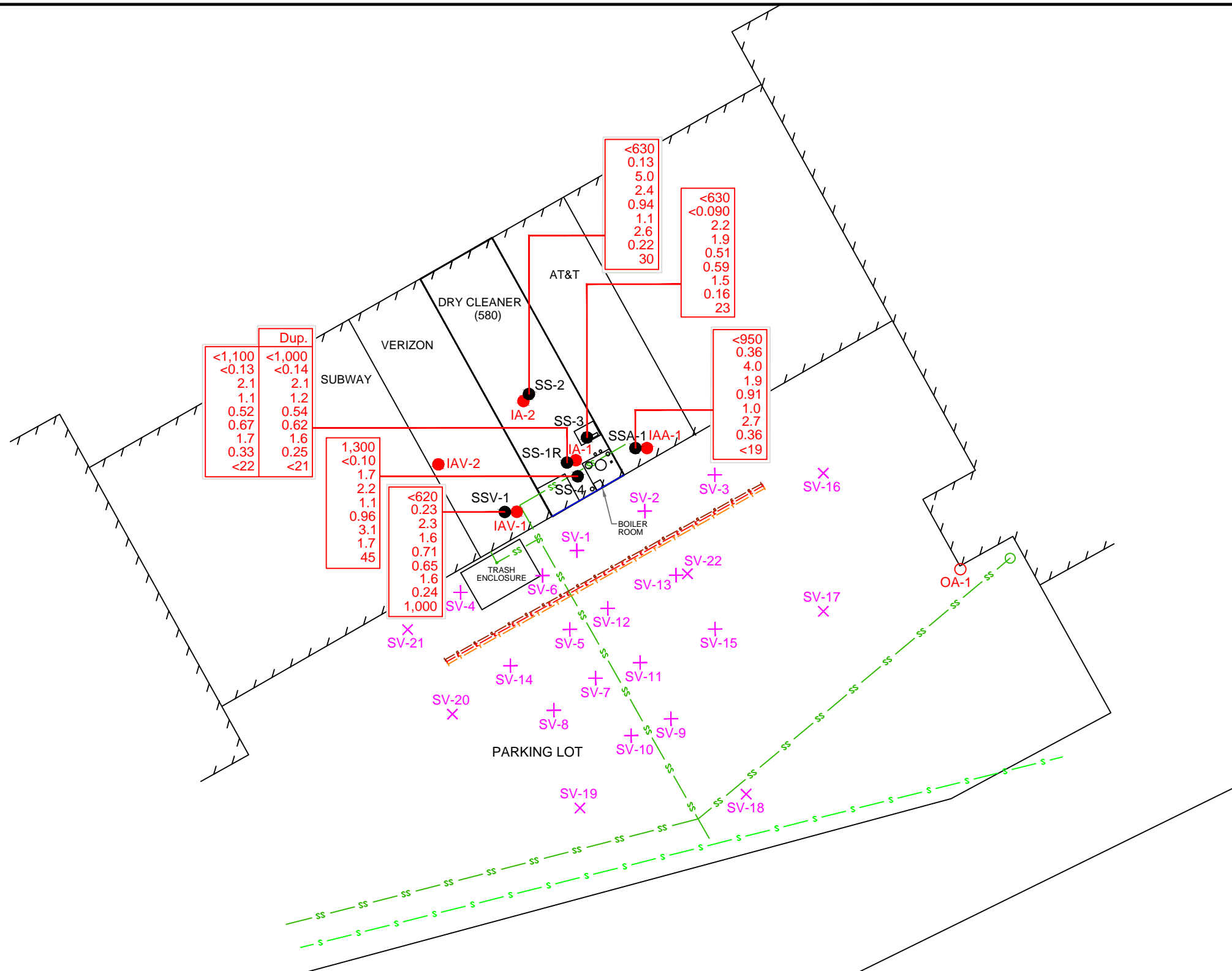
Analyte Concentrations in ug/m³
 Sampled March 4 and 5, 2015

- Total Petroleum Hydrocarbons as gasoline
- Methyl Tertiary Butyl Ether
- Benzene
- Toluene
- Ethylbenzene
- O-xylenes
- Pm-xylenes
- Naphthalene
- Ethanol

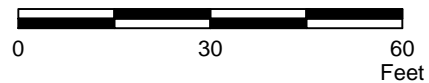
< Less than the Stated Laboratory Reporting Limit

ug/m³ Micrograms per Meter Cubed

c Concentration exceeds calibration limit.



APPROXIMATE SCALE



FN 28630002 R01



**SELECT HYDROCARBON CONCENTRATIONS
 IN SUB-SLAB VAPOR
 March 4 and 5, 2015**

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

EXPLANATION

- SS-4 Sub-Slab Vapor Wells
- SV-15 Soil Vapor Sampling Well
- SV-22 Proposed Soil Vapor Sampling Well
- IAA-1 Indoor Air Sample
- OA-1 Outdoor Air Sample

- Gas Line
- Electric Line
- Telephone Line
- Sanitary Sewer
- Storm Sewer

PROJECT NO.

2863

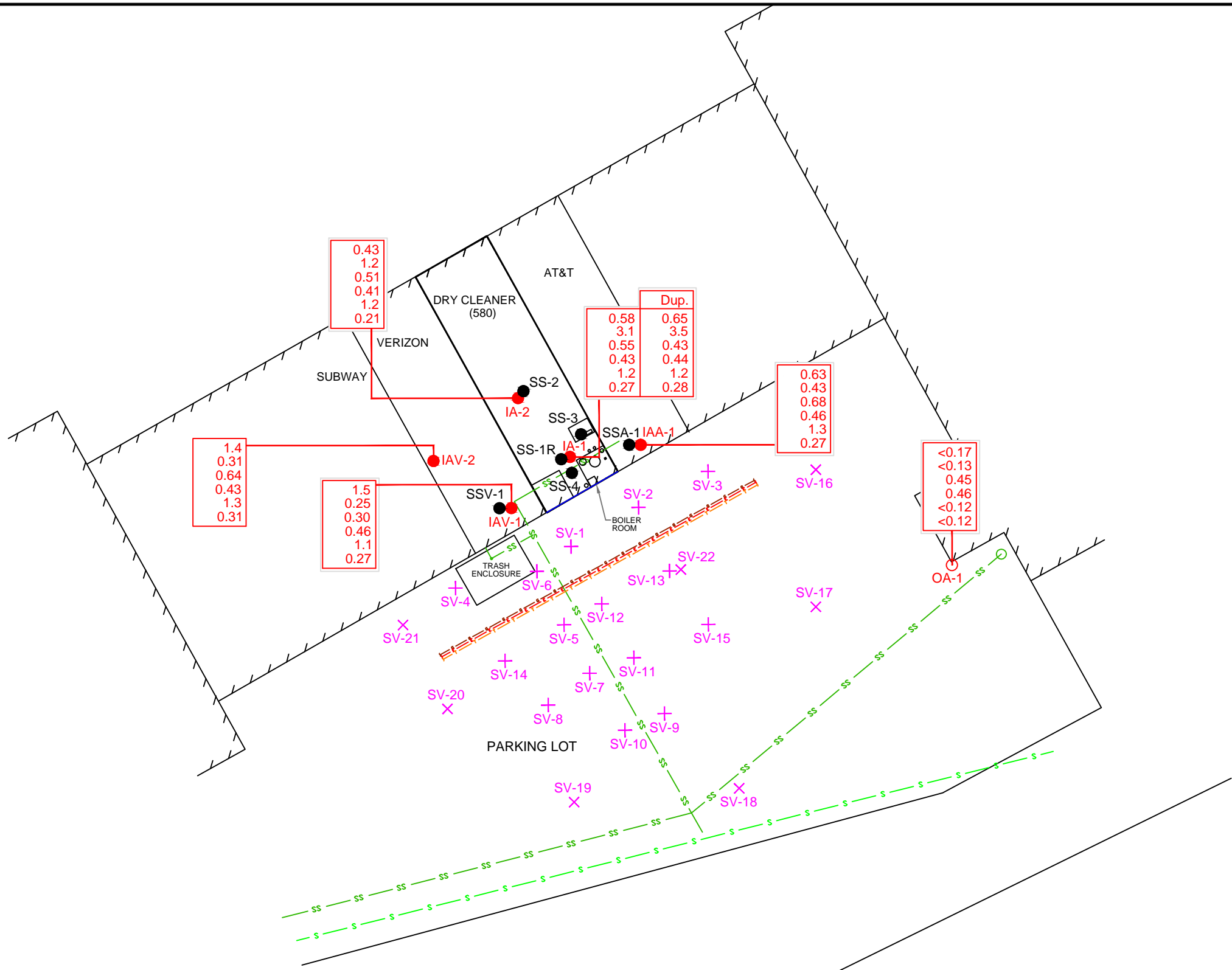
PLATE

4

Analyte Concentrations in ug/m³
 Sampled March 4 and 5, 2015

- Tetrachloroethene
- Trichloroethene
- Methylene chloride
- Carbon tetrachloride
- Chloromethane
- Chloroform

< Less than the Stated Laboratory Reporting Limit
 ug/m³ Micrograms per Meter Cubed



0.43
1.2
0.51
0.41
1.2
0.21

Dup.
0.58 0.65
3.1 3.5
0.55 0.43
0.43 0.44
1.2 1.2
0.27 0.28

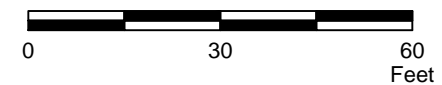
0.63
0.43
0.68
0.46
1.3
0.27

1.4
0.31
0.64
0.43
1.3
0.31

1.5
0.25
0.30
0.46
1.1
0.27

<0.17
<0.13
0.45
0.46
<0.12
<0.12

APPROXIMATE SCALE



FN 28630002 R01



**SELECT HVOC CONCENTRATIONS
 IN INDOOR AND OUTDOOR AIR
 March 4 and 5, 2015**
 DRY CLEAN 580
 3735 E. Castro Valley Boulevard
 Castro Valley, CA

EXPLANATION

- SS-4 Sub-Slab Vapor Wells
- SV-15 Soil Vapor Sampling Well
- SV-22 Proposed Soil Vapor Sampling Well
- IAA-1 Indoor Air Sample
- OA-1 Outdoor Air Sample

- Gas Line
- Electric Line
- Telephone Line
- Sanitary Sewer
- Storm Sewer

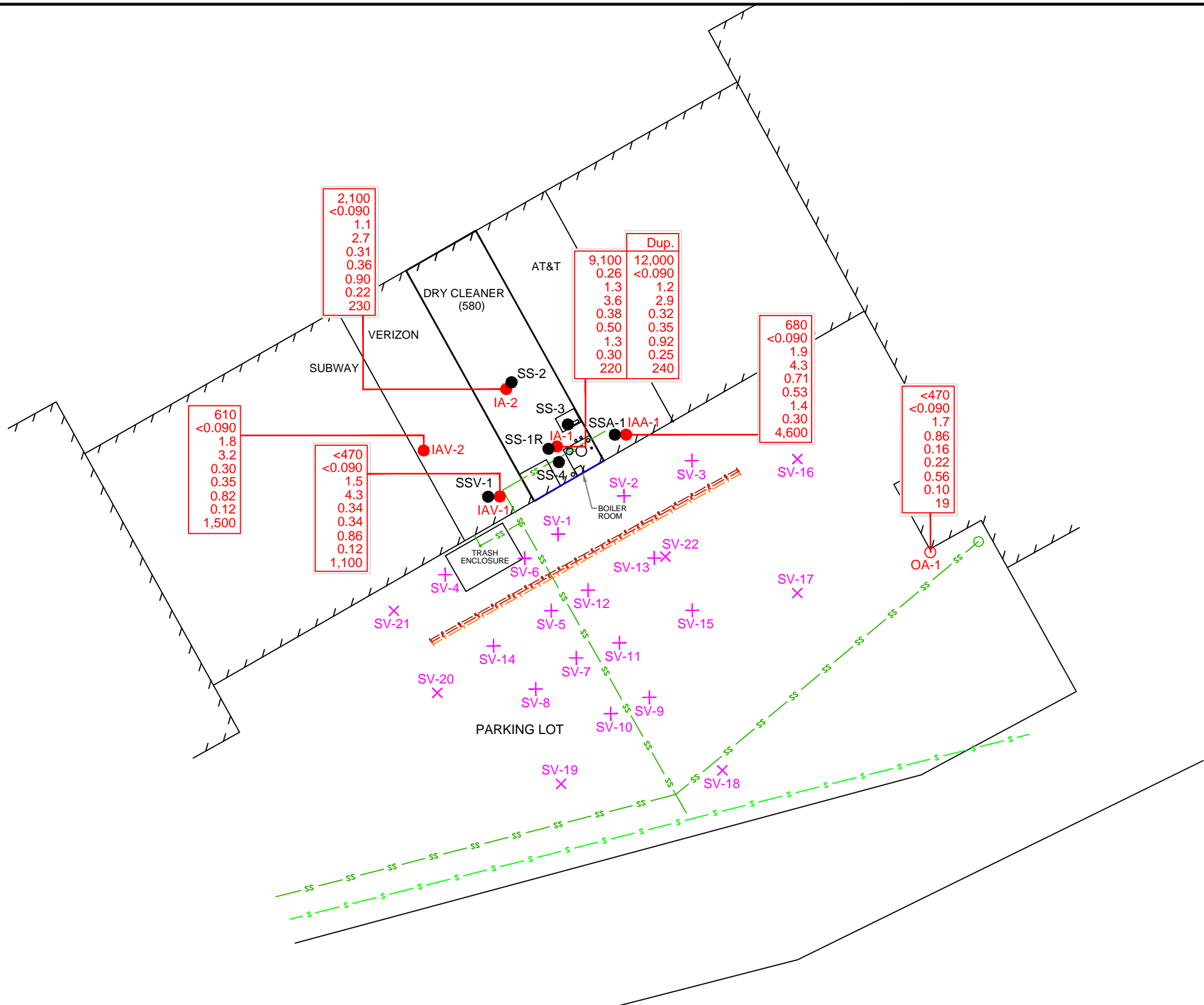
PROJECT NO.
2863

PLATE
5

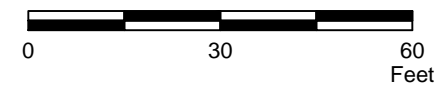
Analyte Concentrations in ug/m³
 Sampled March 4 and 5, 2015

- Total Petroleum Hydrocarbons as gasoline
- Methyl Tertiary Butyl Ether
- Benzene
- Toluene
- Ethylbenzene
- O-xylenes
- Pm-xylenes
- Naphthalene
- Ethanol

< Less than the Stated Laboratory Reporting Limit
 ug/m³ Micrograms per Meter Cubed



APPROXIMATE SCALE



FN 28630002 R01



**SELECT HYDROCARBON CONCENTRATIONS
 IN INDOOR AND OUTDOOR AIR
 March 4 and 5, 2015**

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

EXPLANATION

- SS-4 Sub-Slab Vapor Wells
- SV-15 Soil Vapor Sampling Well
- SV-22 Proposed Soil Vapor Sampling Well
- IAA-1 Indoor Air Sample
- OA-1 Outdoor Air Sample

- Gas Line
- Electric Line
- Telephone Line
- Sanitary Sewer
- Storm Sewer

PROJECT NO.
 2863

PLATE
 6

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

| 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, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | --- | --- | 26 | 26 | 2.1 | 2.1 | 3.0 | 3.0 | 22,000 | 22,000 | --- | --- | --- | --- | 0.16 | 0.16 | --- | |
| Calculated Sub-Slab (b) | | --- | --- | 520 | 520 | 42 | 42 | 60 | 60 | 440,000 | 440,000 | --- | --- | --- | --- | 3.2 | 3.2 | --- | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |

- 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
(Page 1 of 1)

| Sample ID | Date | Bromodichloromethane | | Carbon Tetrachloride | | Chlorobenzene | | Chloroethane | | Chloroform | | Chloromethane | | c-1,2-Dichloroethene | | t-1,2-Dichloroethene | |
|--|----------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|
| | | (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 |
| Environmental Screening Levels, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | 0.33 | 0.33 | 0.29 | 0.29 | 4,400 | 4,400 | 130,000 | 130,000 | 2.3 | 2.3 | 390 | 390 | 31 | 31 | 260 | 260 |
| Calculated Sub-Slab (b) | | 6.6 | 6.6 | 5.8 | 5.8 | 88,000 | 88,000 | 2,600,000 | 2,600,000 | 46 | 46 | 7,800 | 7,800 | 620 | 620 | 5,200 | 5,200 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

- 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
 (Page 1 of 1)

| 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/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) | | |
| | | 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, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | --- | --- | --- | --- | --- | 2,500 | 47 | 47 | 0.42 | 0.42 | 1,300 | 1,300 | 4.9 | 4.9 | 440a | 440a | 440a | 440a | --- | 0.36 | 0.36 | --- |
| Calculated Sub-Slab (b) | | --- | --- | --- | --- | --- | 50,000 | 940 | 940 | 8.4 | 8.4 | 26,000 | 26,000 | 98 | 98 | 8,800a | 8,800a | 8,800a | 8,800a | --- | 7.2 | 7.2 | --- |
| 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 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-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-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-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 |
| 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 |
| 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 |

- 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
 (Page 1 of 1)

| Sample ID | Date | Acetone | | Bromomethane | | 2-Butanone | | 1,3-Butadiene | 1,1-Diflouroethane | 4-Ethyltoluene | | 1,3,5-Trimethylbenzene | | 1,2,4-Trimethylbenzene | | 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) | | |
| | | EPA TO-15 | 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, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | 140,000 | 22 | 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,900 | 3,900 | --- |
| Calculated Sub-Slab (b) | | 2,800,000 | 440 | 440 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 78,000 | 78,000 | --- |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |

- 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 2A
INDOOR AIR ANALYTICAL RESULTS - HVOCs**

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 1 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, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | --- | --- | 26 | 26 | 2.1 | 2.1 | 3.0 | 3.0 | 22,000 | 22,000 | --- | --- | --- | --- | 0.16 | 0.16 | --- | |
| Human Health Risk Assessment Note Number 3 (DTSC, 2014) | | | | | | | | | | | | | | | | | | | |
| Industrial | | --- | --- | 12 | 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 |
| 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 |

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 |
| 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 |

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 |
|------|----------|-----|-----|-----|------|------|------|------|------|------|-------|-----|------|------|-----|------|--------|----|

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 |
|-----|----------|-----|-----|-----|------|------|-------|------|-------|------|-------|-----|------|------|-----|------|--------|----|

TABLE 2A
INDOOR AIR ANALYTICAL RESULTS - HVOCs

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 2 of 2)

| | | |
|-------------------|---|--|
| 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. |

TABLE 2B
INDOOR AIR ANALYTICAL RESULTS - HVOCs

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 1 of 2)

| Sample ID | Date | Bromodichloromethane | | Carbon Tetrachloride | | Chlorobenzene | | Chloroethane | | Chloroform | | Chloromethane | | c-1,2-Dichloroethene | | t-1,2-Dichloroethene | |
|--|------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|---------------|
| | | (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 |
| Environmental Screening Levels, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | 0.33 | 0.33 | 0.29 | 0.29 | 4,400 | 4,400 | 130,000 | 130,000 | 2.3 | 2.3 | 390 | 390 | 31 | 31 | 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 |
| 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 |

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 |
| 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 |

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 |
|------|----------|------|-------|------|------|------|-------|------|--------|------|------|-----|-----|------|--------|------|--------|

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 |
|-----|----------|------|-------|------|------|------|-------|------|--------|------|-------|-----|-------|------|--------|------|--------|

TABLE 2B
INDOOR AIR ANALYTICAL RESULTS - HVOCs

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 2 of 2)

| | | |
|-------------------|---|--|
| 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. |

**TABLE 2C
INDOOR AIR ANALYTICAL RESULTS - ATMOSPHERIC GASES AND HYDROCARBONS**

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 1 of 1)

| Sample ID | Date | Methane | Carbon Dioxide | Oxygen + Argon | TPHg | MTBE | | Benzene | | Toluene | | Ethylbenzene | | o-Xylenes | | pm-Xylenes | | TBA | Naphthalene | | Ethanol |
|--|------|-----------------|-----------------|-----------------|---------------------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|----------------------|--------------|----------------------|------------------|--------------|
| | | (%V) | (%V) | (%V) | (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) | | |
| | | 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, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | --- | --- | --- | --- | 2,500 | 47 | 47 | 0.42 | 0.42 | 1,300 | 1,300 | 4.9 | 4.9 | 440a | 440a | 440a | 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 |
| 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 |

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 |
| 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 |

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 |
|------|----------|---------|-------|----|-----|------|--------|------------|------------|-----|-----|------|------|------|------|------|-----|------|---------------|------|-------|

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 |
|-----|----------|---------|-------|----|------|------|--------|------------|------------|------|------|------|------|------|------|------|------|------|---------------|------|----|

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 2D
INDOOR AIR ANALYTICAL RESULTS - VOCs**

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 1 of 2)

| Sample ID | Date | Acetone | Bromomethane | | | 2-Butanone | | 1,3-Butadiene | 1,1-Difluoroethane | 4-Ethyltoluene | | 1,3,5-Trimethylbenzene | | 1,2,4-Trimethylbenzene | | 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) | | |
| | | 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 SIM | |
| Environmental Screening Levels, Ambient and Indoor Air, Table E-3 (December 2013) | | | | | | | | | | | | | | | | | | | |
| Commercial/Industrial | | 140,000 | 22 | 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 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 |
| 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 |

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 |
| 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 |

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 |
|------|----------|----|------|--------|------|-----|-----|-------|------|-------|------|------|------|------|------|------|------|----|

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 |
|-----|----------|----|------|-----|------|------|-------|-------|------|-------|------|-------|------|------|-------|------|-------|----|

TABLE 2D
INDOOR AIR ANALYTICAL RESULTS - VOCs

Dry Clean 580
3735 East Castro Valley Boulevard
Castro Valley, California
(Page 2 of 2)

| | | |
|-------------------|---|--|
| 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/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. |

APPENDIX A

CORRESPONDENCE

From: [Detterman, Karel, Env. Health](#)
To: ["gabe stivala"](#)
Cc: [Charles Gurney](#); [Roe, Dilan, Env. Health](#)
Subject: RE: RO3097 SCP Program 580 Market Place Shopping Center, East Castro Valley Boulevard, Castro Valley, CA
Date: Thursday, January 08, 2015 4:55:03 PM
Attachments: [Attachment 1 and ftpUploadInstructions 2014-05-15.pdf](#)

Hello Gabe:

Alameda County Environmental Health (ACEH) staff has reviewed the Site Cleanup Program (SCP) case file for the above-referenced site including the recently submitted document entitled "*Sub-Slab Vapor and Indoor Air Work Plan Addendum*," dated December 5, 2014 (Addendum). The Addendum was revised in response to ACEH Directive Letter dated November 17, 2014 for the *Scope of Work for the Indoor Air Quality Assessment and Additional Sub-Slab Sampling* (Scope of Work) e-mailed to ACEH on October 31, 2014. The Scope of Work was submitted as a Work Plan in response to ACEH's September 30, 2014 Directive Letter. Thank you for submitting the documents.

Approval of the Addendum is contingent upon submittal of the following documents to ACEH:

1. Finalization of the October 31, 2014 Scope of Work and submittal to ACEH and Geotracker;
2. Word document of the *Fact Sheet* included in the Addendum. A brief description of the work outlined in the Addendum should be included the *Next Steps* section of the *Fact Sheet*;
3. Word documents of the four letters: *Notification to Tenants*, *Letter to Occupants/Owner*, *Fact Sheet for VOCs in Household Products*, and *Instructions to Occupants*, found in Appendix C, *Indoor Air Sampling*, California Department of Toxic Substances Control's "*Vapor Intrusion Public Participation Advisory*," dated March 2012. The four letters should each be revised to reflect tenant names, addresses, and commercial use instead of residential use.

ACEH will finalize and distribute the Fact Sheet to addresses in the immediate vicinity and Notifications to the Dry Cleaner and the two adjacent tenants.

TECHNICAL REPORT REQUEST

- **January 23, 2015** – Word document of the Fact Sheet and Word document Notifications to the two adjacent tenants e-mailed to karel.detterman@acgov.org

Please upload the requested document to the ACEH ftp site (Attention: Karel Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the following specified file naming convention and schedule:

- **February 13, 2015** – *Indoor Air Quality Assessment and Additional Sub-Slab Work Plan*
File to be named: RO3097_WP_R_yyyy-mm-dd

Thank you,

Karel Detterman, PG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6708
Fax: 510.337.9335
Email: karel.detterman@acgov.org

APPENDIX B

PROTOCOLS

Cardno ERI Soil Vapor Sampling Well Installation and Sampling Field Protocol

Preliminary Activities

Prior to the onset of field activities at the site, Cardno ERI obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno ERI marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to drilling, the borehole location is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

Well Construction

The borehole is advanced to the desired depth using either a direct-push rig, hand auger, or air vacuum rig. Lithologic conditions are recorded on a boring log during borehole advancement, and select soil matrix sampling may be conducted based on soil characteristics.

Each soil vapor sampling (SVS) well is constructed using inert screen material attached to $\frac{1}{8}$ - to $\frac{1}{4}$ -inch outer diameter inert tubing. A gas-tight vacuum fitting or valve is attached to the top of each length of tubing using a female compression fitting. Each screen is set within a minimum of a 12-inch thick appropriately sized sand pack, with a minimum of 3 inches of sand pack above the top of the screen. A minimum of 4 inches of dry granular bentonite is set above each screen and associated sand pack. In SVS wells with multiple and separate casings and screens, the annular space between the top of the dry granular bentonite above the deep screen and the bottom of the sand pack associated with the shallow screen is sealed with a minimum of 18 inches of hydrated bentonite. The remainder of the annular space of the well is sealed with hydrated bentonite to 1 foot below ground surface. Wellheads are finished with traffic-rated well boxes set in concrete flush with the surrounding grade. No glues, chemical cements, or solvents are used in well construction.

A boring log is completed with the construction details for each well, including the materials of construction, depth of the borehole, screen length, and annular seal thickness.

Soil Vapor Sampling

Samples are collected using a soil vapor purging and sampling manifold consisting of a flow regulator, vacuum gauges, vacuum pump, shroud, and laboratory-prepared, gas-tight, opaque containers such as Summa™ canisters. Samples may also be collected using a syringe and analyzed by a mobile laboratory. Prior to use, Summa™ canisters are checked to ensure they are under the laboratory induced vacuum between 31 and 25 inches of mercury (in. Hg). New inert tubing is used to purge and sample each well. Prior to purging and sampling each SVS well, the sampling manifold is connected to the gas-tight vacuum fitting or valve at the wellhead, and the downstream tubing and fittings are vacuum tested at approximately 24 to 28 in. Hg. Purging and sampling are conducted only on SVS wells when the tubing and fittings hold the applied vacuum for 5 minutes per vacuum gauge reading.

When required, Cardno ERI conducts a purge volume versus constituent concentration test on at least one SVS well prior to purging and sampling activities. The purge volume test well is selected based on the location of the anticipated source of chemical constituents at the site and on the location of anticipated maximum soil vapor concentrations based on lithologic conditions. If the SVS well has been in place for more than 1 week, it is assumed that soil vapor in the sand pack has equilibrated with the surrounding soil, and only the screen and tubing volumes are included in the purge volume calculation. If the SVS well has been in place for less than 1 week, the volume of the sand pack around the screen is included in the purge volume calculation. A photo-ionization detector (PID) or on-site mobile laboratory is used to evaluate concentrations of chemical constituents in the vapor stream after 1, 3,

and 10 volumes of vapor have been purged from the SVS well. Purging is conducted at a rate of 100 to 200 milliliters per minute (ml/min). The purge volume exhibiting the highest concentration is the volume of vapor purged from each SVS well prior to sampling. If the three separate purge volumes produce equal concentrations a default of 3 purge volumes is extracted prior to sampling.

Prior to sampling, a helium leak test is performed at each SVS well, including a summa canister and its fittings, to check for leaks in the SVS annulus. To assess the potential for leaks in the SVS well annulus, a shroud is placed over the SVS well and summa canister and the shroud is filled with a measured amount of helium. Helium screening is performed in the field by drawing soil gas into a Tedlar bag via a lung-box and screening the contents of the Tedlar bag with 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. A leak that comprises less than 5% of the sample is insignificant. Helium screening is also performed using laboratory analysis of the contents of the summa canister collected under the shroud. Sampling is conducted at approximately the same rate of purging, at 100 to 200 ml/min. Soil vapor samples are submitted under chain-of-custody protocol for the specified laboratory analyses.

At a minimum, weather conditions (temperature, barometric pressure and precipitation), the sampling flow rate, the purge volume, the helium leak detection percentage results, the sample canister identification number, the method of sample collection, and the vacuum of the sampling canister at the start and end of sample collection (if applicable) are recorded on a log for each SVS well purged and sampled.

Decontamination Procedures

If soil samples are collected, Cardno ERI or the contracted driller decontaminates the soil sampling equipment between each sampling interval using a non-phosphate solution, followed by a minimum of two tap water rinses. De-ionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned or triple-rinsed prior to advancing each borehole.

Waste Treatment and Disposal

Soil cuttings generated from the well installation are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination water is stored on site in labeled, regulatory-approved storage containers, and is subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.

APPENDIX C

FIELD DATA SHEETS

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SS-1R

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|--|
| Shut In Test | 1300 | 1305 | 15/15 | — | — |
| Purge | 1306 | 1306.5 | — | 100 cc/min | He: <u>10</u> % under shroud, <u>50</u> ppm leak |
| Sample | 1308 | 1325 | 30/5 | 50 cc/min | He: <u>10</u> % maintained during sample collection |
| Duplicate | 1308 | 1327 | 30/5 | 50 cc/min | He: <u>10</u> % maintained during sample collection |

3 PV

Sample: SS-1R Summa ID# LC832

Slab Thickness (Inchs): 4.5"

Flow Regulator ID# AD50

splitter # 53

Duplicate: SS-1R Summa ID# LC635

Flow Regulator ID# AD44

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SS-2

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|--|
| Shut In Test | 1355 | 1400 | 15/15 | — | — |
| Purge | 1400 | 1400.5 | — | 100 cc/min | He: <u>10</u> % under shroud, <u>100</u> ppm leak |
| Sample | 1401 | 1418 | 30/5 | 50 cc/min | He: <u>10</u> % maintained during sample collection |
| Duplicate | | | | | He: _____ % maintained during sample collection |

3 PV

Sample: SS-2 Summa ID# LC034

Slab Thickness (Inchs): 6"

Flow Regulator ID# AD148

Duplicate: _____ Summa ID# _____

Flow Regulator ID# _____

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SS-3

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|---|
| Shut In Test | 1335 | 1340 | 18/18 | — | — |
| Purge | 1340 | 1349 | — | 100 cc/min | He: 10 % under shroud, 75 ppm leak |
| Sample | 1341 | 1353 | 10/5 | 50 cc/min | He: 10 % maintained during sample collection |
| Duplicate | | | | | He: _____% maintained during sample collection |

3 PV

Sample: SS-3 Summa ID# LC1003

Slab Thickness (Inchs): 5"

Flow Regulator ID# AD59

Duplicate: _____ Summa ID# _____

Flow Regulator ID# _____

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SS-4

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|--|
| Shut In Test | 1229 | 1234 | 20/20 | — | — |
| Purge | 1234 | 1234.5 | — | 100cc/min | He: <u>10</u> % under shroud, <u>100</u> ppm leak |
| Sample | 1238 | 1255 | 30/5 | 50 cc/min | He: <u>10</u> % maintained during sample collection |
| Duplicate | | | | | He: _____ % maintained during sample collection |

3 Purge Vol

Sample: SS-4 Summa ID# LC987

Slab Thickness (Inchs): 6"

Flow Regulator ID# AD40

Duplicate: _____ Summa ID# _____

Flow Regulator ID# _____

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SSA-1

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|--|
| Shut In Test | 1458 | 1503 | 22/22 | - | |
| Purge | 1503 | 1503.5 | - | 100 cc/min | He: <u>10</u> % under shroud, <u>125</u> ppm leak |
| Sample | 1504 | 1525 | 30/5 | 50 cc/min | He: <u>10</u> % maintained during sample collection |
| Duplicate | | | | | He: _____ % maintained during sample collection |

3 PV

Sample: SSA-1 Summa ID# LL135

Slab Thickness (Inchs): 6"

Flow Regulator ID# AD02

Duplicate: _____ Summa ID# _____

Flow Regulator ID# _____

Cardno ATC Project # 75.75354.0002
 3735 E. Castro Valley Boulevard, Castro Valley, CA

Sub-Slab Point Sampling

Well ID: SSV-1

Date 3/4/15

| | Start (time) | End (time) | Inches Hg | Flow Setting (cc/min) | Helium |
|--------------|--------------|------------|-----------|-----------------------|--|
| Shut In Test | 1430 | 1435 | 19/19 | — | — |
| Purge | 1435 | 1435.5 | — | 100 cc/min | He: 10 % under shroud, 75 ppm leak |
| Sample | 1436 | 1455 | 30/5 | 50 cc/min | He: 10 % maintained during sample collection |
| Duplicate | | | | | He: _____ % maintained during sample collection |

3PV

Sample: SSV-1 Summa ID# LC937

Slab Thickness (Inchs): 3"

Flow Regulator ID# AD45

Duplicate: _____ Summa ID# _____

Flow Regulator ID# _____

580 Market Place
 3735 - 4065 East Castro Valley Blvd
 Castro Valley, CA
 Cardno ATC Project No. 075.75354.0002

Indoor Air Data Sheet

Sample Point ID: IA1

Summa ID# D909
 Flow Regulator ID# FC160

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1531 | 3/4/15 | 30 | 29.75 | 73°F | 0.177 |
| End Time | 1350 | 3/5/15 | 3 | 29.90 | 86.6°F | 0.123 |

Comments: 3/4/15 @ 1535, MiniRae measured outside air, in front of business, @ 0.000 ppm.
3/5/15 @ 1356, MiniRae measured outside air, in front of business, @ 0.000 ppm. At
the same date & time MiniRae measurement = 3.52 ppm @ location approx. 20'
inside business from front door.

Sample Point ID: IA1-DUP

Summa ID# D632
 Flow Regulator ID# FC314

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1531 | 3/4/15 | 30 | 29.75 | 73°F | 0.160 |
| End Time | 1350 | 3/5/15 | 5 | 29.90 | 86.3°F | 0.123 |

Comments:

Splitter #: 61

580 Market Place
3735 - 4065 East Castro Valley Blvd
Castro Valley, CA
Cardno ATC Project No. 075.75354.0002

Indoor Air Data Sheet

Sample Point ID: IA 2

Summa ID# D848
Flow Regulator ID# FC 375

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1531 | 3/4/15 | 30 | 29.75 | 73 °F | 0.175 |
| End Time | 1420 | 3/5/15 | 6 | 29.90 | 86.3 °F | 1.373 |

Comments: 3/4/15 @ 1535 MiniRae measured outside air, in front of business, @ 0.000 ppm.
3/5/15 @ 1425 MiniRae measured outside air, in front of business, @ 0.000 ppm.

Sample Point ID: NA

Summa ID# NA
Flow Regulator ID# NA

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|--|------|-----------|------------------------|------------------|-----|
| Start Time | | | | | | |
| End Time | | | | | | |

Comments:

Splitter #: NA

580 Market Place
 3735 - 4065 East Castro Valley Blvd
 Castro Valley, CA
 Cardno ATC Project No. 075.75354.0002

Indoor Air Data Sheet

Sample Point ID: I A V 1

Summa ID# 0093
 Flow Regulator ID# FC 262

| | | Date | Inches Hg | Barometric Pr. (In/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1532 | 3/4/15 | 31 | 29.75 | 77.3°F | 0.045 |
| End Time | 1344 | 3/5/15 | 4 | 29.91 | 76.2°F | 0.000 |

Comments: Pressure gauge glass broken on delivery, still holding required pressure.
Summa location in back room, most southern portion of building.
3/4/15 @ 1535 MiniRae measured outside air, in front of business, @ 0.000 ppm.
3/5/15 @ 1348 MiniRae measured outside air, in front of business, @ 0.000 ppm.

Sample Point ID: I A V 2

Summa ID# 0820
 Flow Regulator ID# FC 343

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1532 | 3/4/15 | 32 | 29.75 | 76.9°F | 0.030 |
| End Time | 1526 | 3/5/15 | 7 | 29.91 | 75.9°F | 0.042 |

Comments: Summa location in southwestern corner of front room (i.e., northern room of business) approx. 40' from front door of business.

Splitter #: NA

580 Market Place
3735 - 4065 East Castro Valley Blvd
Castro Valley, CA
Cardno ATC Project No. 075.75354.0002

Indoor Air Data Sheet

Sample Point ID: IAA1

Summa ID# 0563

Flow Regulator ID# FC171

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|------|--------|-----------|------------------------|------------------|-------|
| Start Time | 1533 | 3/4/15 | 30 | 29.75 | 76.2 °F | 0.107 |
| End Time | 1358 | 3/5/15 | 5 | 29.90 | 83.1 °F | 2.56 |

Comments: 3/4/15 @ 1535 MiniRae measured outside air, in front of business, @ 0.000ppm.
3/5/15 @ 1355 MinRae measured outside air, in front of business, @ 0.000ppm.

Sample Point ID: NA

Summa ID# NA

Flow Regulator ID# NA

| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | PPM |
|------------|--|------|-----------|------------------------|------------------|-----|
| Start Time | | | | | | |
| End Time | | | | | | |

Comments: _____

Splitter #: NA

580 Market Place
3735 - 4065 East Castro Valley Blvd
Castro Valley, CA
Cardno ATC Project No. 075.75354.0002

Outdoor Air Data Sheet

Sample Point ID: OA1

Summa ID# D851 (6L)

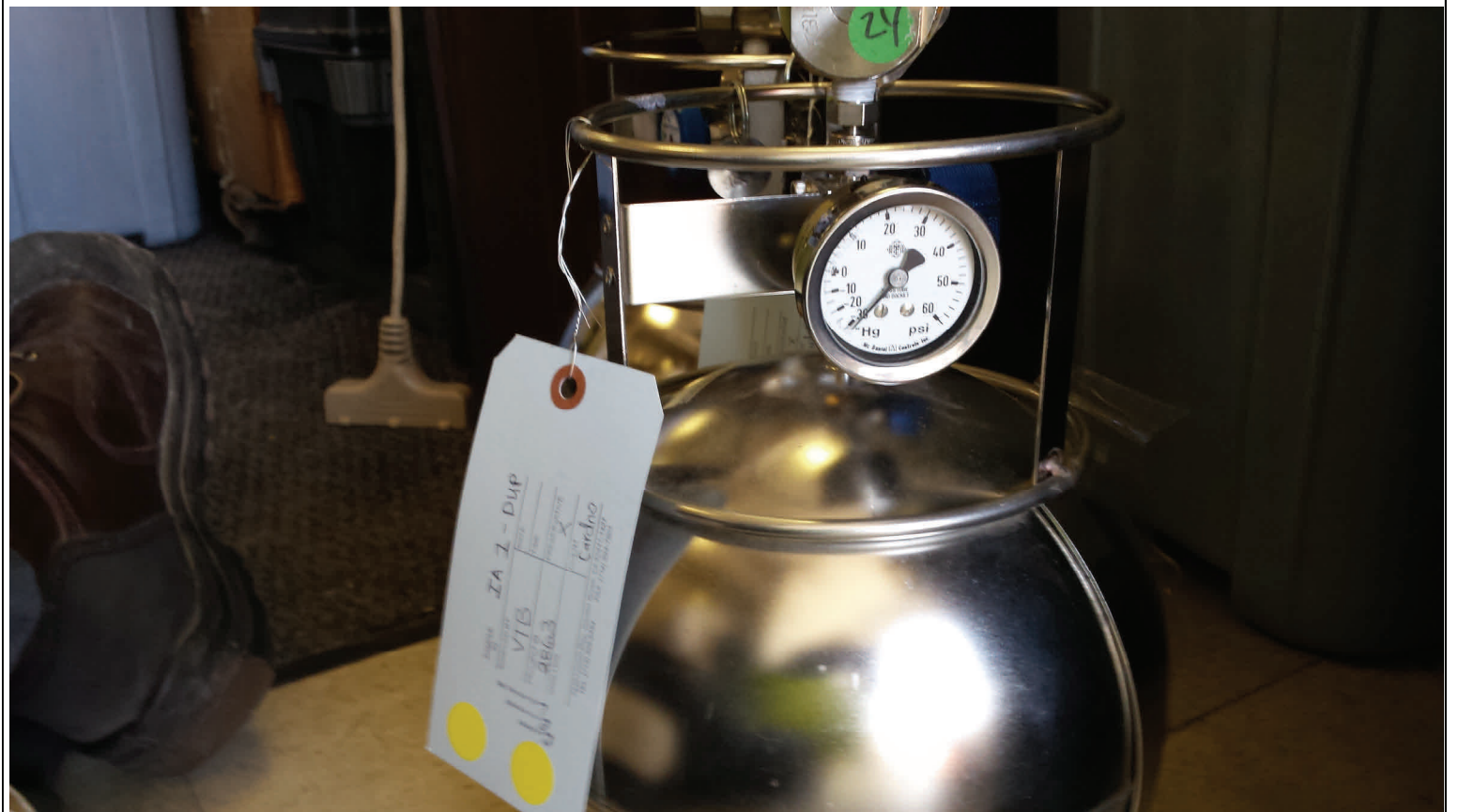
Flow Regulator ID# FC23

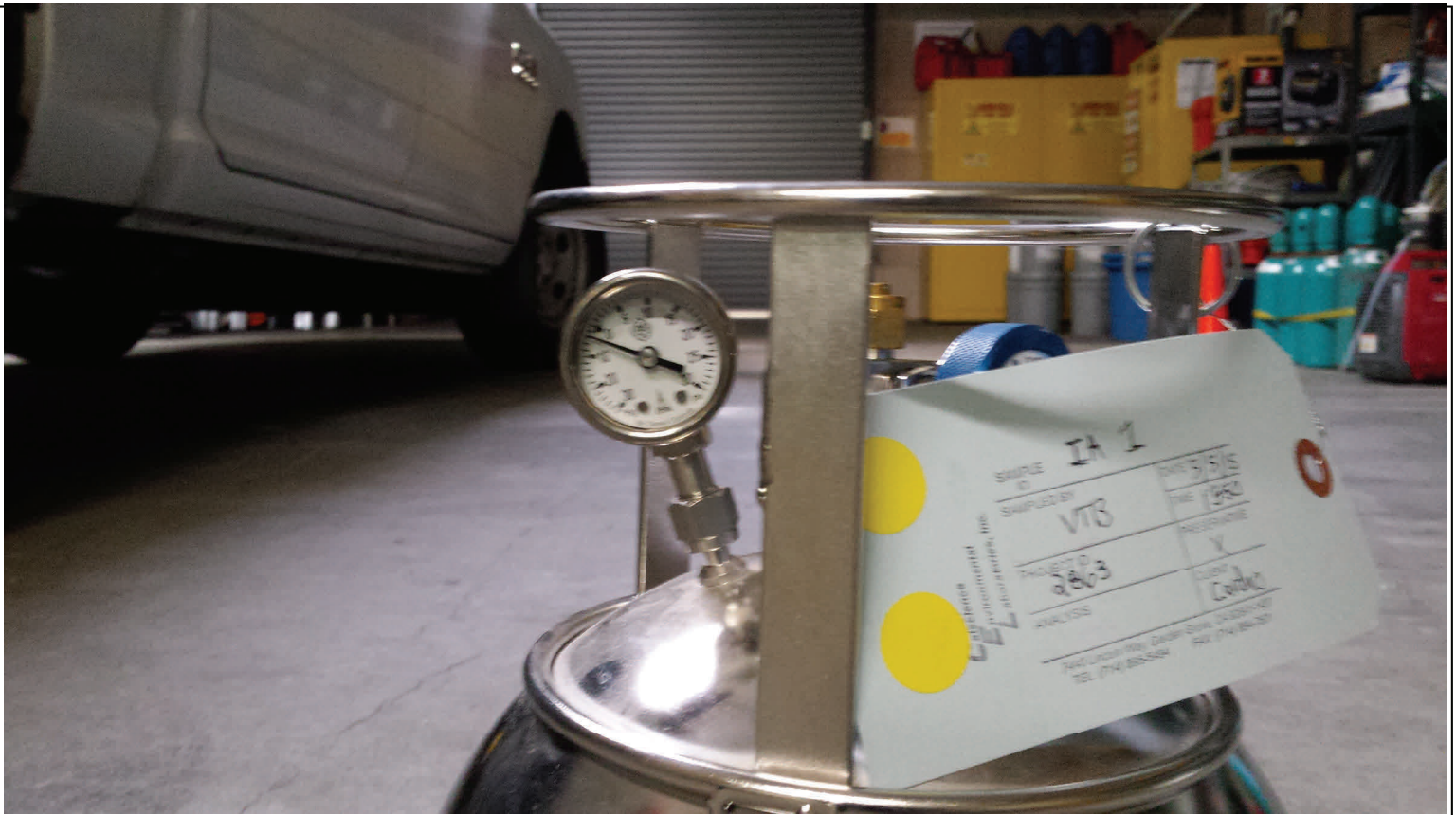
| | | Date | Inches Hg | Barometric Pr. (in/Hg) | Temperature / F° | Wind Speed (MPH) | PPM |
|------------|------|--------|-----------|---------------------------|------------------|---------------------|-----|
| Start Time | 1534 | 3/4/15 | 32 | 29.75 | 77 °F | 0.9 mph | 0.0 |
| End Time | 1338 | 3/5/15 | 5 | 29.91 | 83 °F | 0.7 mph | 0.0 |

Comments:

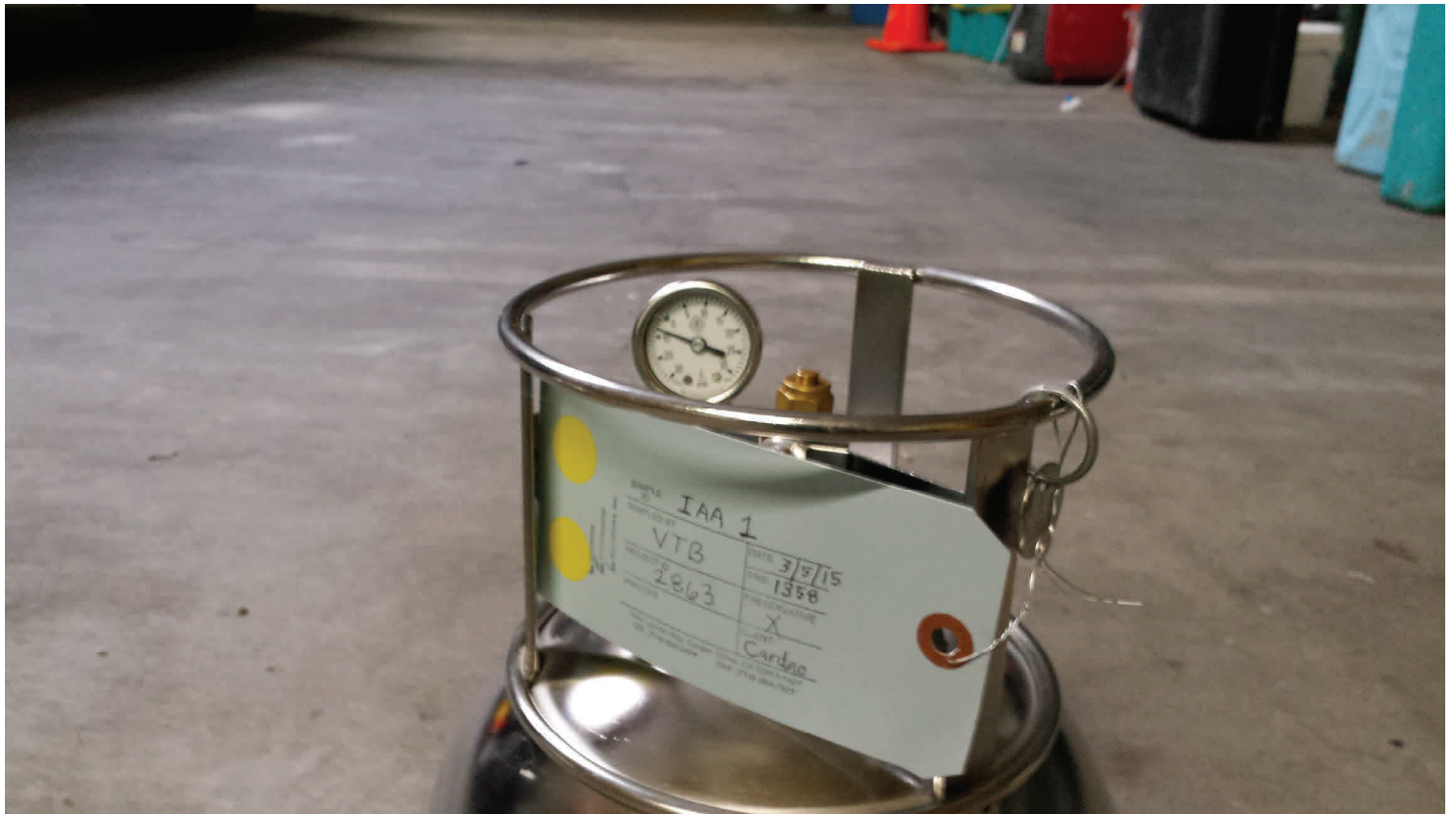
APPENDIX D

PHOTOS





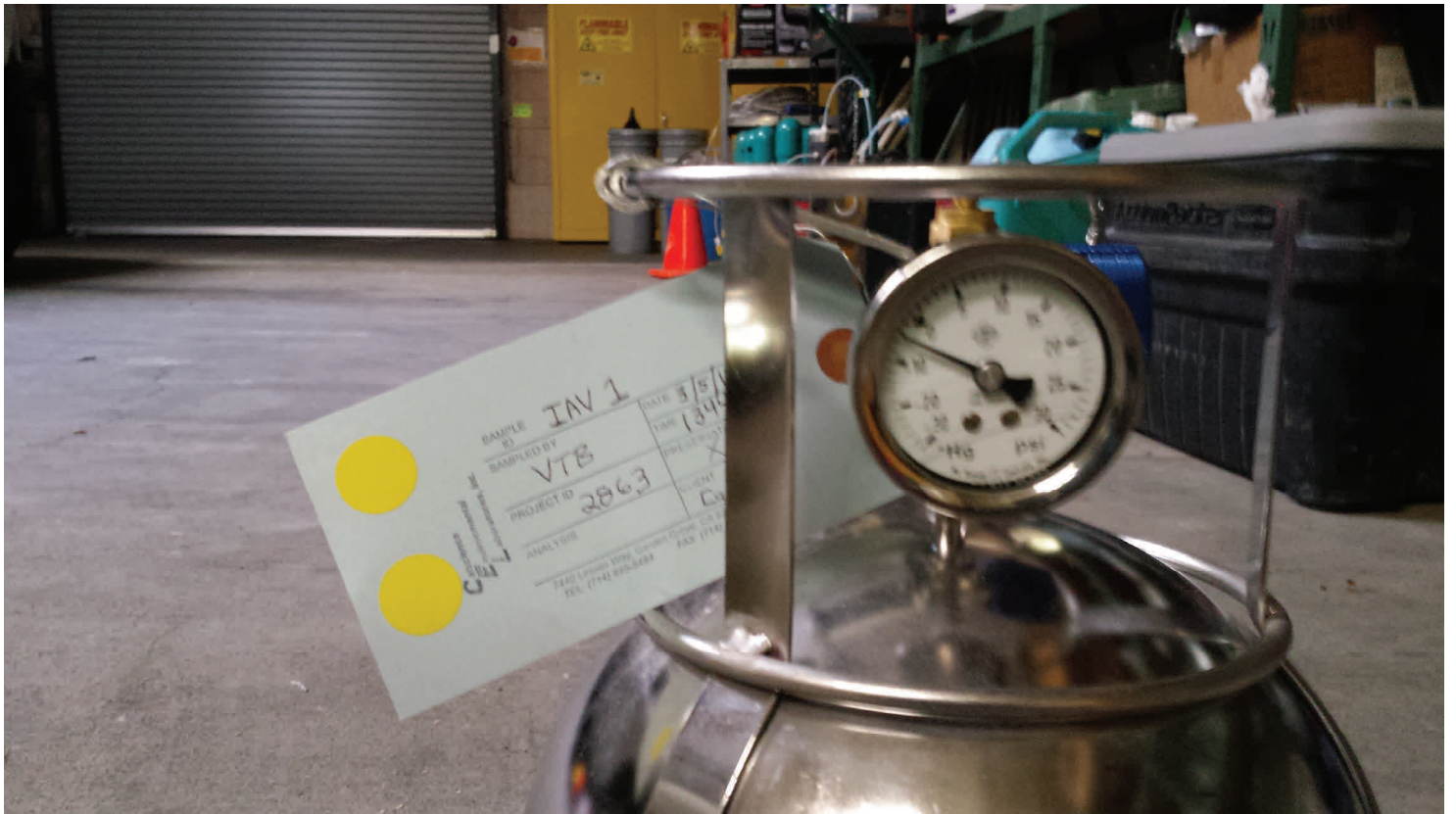




PHOTOGRAPHS
 580 Market Place
 Castro Valley, California

Project No.
 2863

APPENDIX D





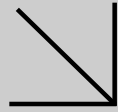


APPENDIX E

LABORATORY ANALYTICAL REPORTS



Calscience



WORK ORDER NUMBER: 15-03-0437

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: 580 Market Place Shopping Center /
Cardno ATC Project #075.75354.0002

Attention: Gabe Stivala
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Amanda Porter

Approved for release on 03/16/2015 by:
Amanda Porter
Project Manager

ResultLink ▶

Email your PM ▶



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



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Client Project Name: 580 Market Place Shopping Center / Cardno ATC Project #075.75354.0002
Work Order Number: 15-03-0437

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/06/15. They were assigned to Work Order 15-03-0437.

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

Holding Times:

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

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

Quality Control:

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

Subcontractor Information:

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

Additional Comments:

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

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: ASTM D-1946 (M)
Units: %v

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|-------------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC 55 | N/A | 03/12/15 13:03 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | 0.0548 | | 0.0229 | | 2.29 | |
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC 55 | N/A | 03/12/15 13:46 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | 0.0252 | | 0.0218 | | 2.18 | |
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC 55 | N/A | 03/06/15 13:36 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | ND | | 0.0100 | | 1.00 | |
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC 55 | N/A | 03/06/15 13:53 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | ND | | 0.0100 | | 1.00 | |
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC 55 | N/A | 03/06/15 14:14 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | 0.0195 | | 0.0100 | | 1.00 | |
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC 55 | N/A | 03/06/15 15:18 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | 0.0458 | | 0.0100 | | 1.00 | |
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC 55 | N/A | 03/06/15 16:05 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | 0.0182 | | 0.0100 | | 1.00 | |
| Method Blank | 099-12-872-771 | N/A | Air | GC 55 | N/A | 03/06/15 10:12 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Helium | | ND | | 0.0100 | | 1.00 | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: ASTM D-1946 (M)
Units: %v

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------------|
| Method Blank | 099-12-872-773 | N/A | Air | GC 55 | N/A | 03/12/15 10:01 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | <u>DF</u> | | <u>Qualifiers</u> |
| Helium | | ND | | 0.0100 | 1.00 | | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 17

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC/MS K | N/A | 03/12/15 18:23 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 46 | 11 | 2.29 | | | |
| Benzene | | ND | 3.7 | 2.29 | | | |
| Benzyl Chloride | | ND | 18 | 2.29 | | | |
| Bromodichloromethane | | ND | 7.7 | 2.29 | | | |
| Bromoform | | ND | 12 | 2.29 | | | |
| Bromomethane | | ND | 4.4 | 2.29 | | | |
| 2-Butanone | | ND | 10 | 2.29 | | | |
| Carbon Disulfide | | ND | 14 | 2.29 | | | |
| Carbon Tetrachloride | | ND | 7.2 | 2.29 | | | |
| Chlorobenzene | | ND | 5.3 | 2.29 | | | |
| Chloroethane | | ND | 3.0 | 2.29 | | | |
| Chloroform | | ND | 5.6 | 2.29 | | | |
| Chloromethane | | ND | 2.4 | 2.29 | | | |
| Dibromochloromethane | | ND | 9.8 | 2.29 | | | |
| Dichlorodifluoromethane | | ND | 5.7 | 2.29 | | | |
| Diisopropyl Ether (DIPE) | | ND | 19 | 2.29 | | | |
| 1,1-Dichloroethane | | ND | 4.6 | 2.29 | | | |
| 1,1-Dichloroethene | | ND | 4.5 | 2.29 | | | |
| 1,2-Dibromoethane | | ND | 8.8 | 2.29 | | | |
| Dichlorotetrafluoroethane | | ND | 32 | 2.29 | | | |
| 1,2-Dichlorobenzene | | ND | 6.9 | 2.29 | | | |
| 1,2-Dichloroethane | | ND | 4.6 | 2.29 | | | |
| 1,2-Dichloropropane | | ND | 5.3 | 2.29 | | | |
| 1,3-Dichlorobenzene | | ND | 6.9 | 2.29 | | | |
| 1,4-Dichlorobenzene | | ND | 6.9 | 2.29 | | | |
| c-1,3-Dichloropropene | | ND | 5.2 | 2.29 | | | |
| c-1,2-Dichloroethene | | ND | 4.5 | 2.29 | | | |
| t-1,2-Dichloroethene | | ND | 4.5 | 2.29 | | | |
| t-1,3-Dichloropropene | | ND | 10 | 2.29 | | | |
| Ethanol | | ND | 22 | 2.29 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 19 | 2.29 | | | |
| Ethylbenzene | | ND | 5.0 | 2.29 | | | |
| 4-Ethyltoluene | | ND | 5.6 | 2.29 | | | |
| Hexachloro-1,3-Butadiene | | ND | 37 | 2.29 | | | |
| 2-Hexanone | | ND | 14 | 2.29 | | | |

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

Analytical Report

| | | |
|--|----------------|--------------|
| Cardno ERI | Date Received: | 03/06/15 |
| 601 North McDowell Blvd. | Work Order: | 15-03-0437 |
| Petaluma, CA 94954-2312 | Preparation: | N/A |
| | Method: | EPA TO-15 |
| | Units: | ug/m3 |
| Project: 580 Market Place Shopping Center / Cardno ATC | | Page 2 of 17 |
| Project #075.75354.0002 | | |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 17 | 2.29 | |
| Methylene Chloride | ND | 40 | 2.29 | |
| 4-Methyl-2-Pentanone | ND | 14 | 2.29 | |
| Naphthalene | ND | 60 | 2.29 | |
| o-Xylene | ND | 5.0 | 2.29 | |
| p/m-Xylene | ND | 20 | 2.29 | |
| Styrene | ND | 15 | 2.29 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 19 | 2.29 | |
| Tert-Butyl Alcohol (TBA) | ND | 14 | 2.29 | |
| Tetrachloroethene | 390 | 7.8 | 2.29 | |
| Toluene | ND | 4.3 | 2.29 | |
| Trichloroethene | 19 | 6.2 | 2.29 | |
| Trichlorofluoromethane | ND | 13 | 2.29 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 26 | 2.29 | |
| 1,1,1-Trichloroethane | ND | 6.2 | 2.29 | |
| 1,1,2-Trichloroethane | ND | 6.2 | 2.29 | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | 2.29 | |
| 1,1,2,2-Tetrachloroethane | ND | 16 | 2.29 | |
| 1,2,4-Trimethylbenzene | ND | 17 | 2.29 | |
| 1,2,4-Trichlorobenzene | ND | 34 | 2.29 | |
| Vinyl Acetate | ND | 16 | 2.29 | |
| Vinyl Chloride | ND | 2.9 | 2.29 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 101 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | | |
| Toluene-d8 | 100 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|-------------------|
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC/MS K | N/A | 03/12/15 19:13 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | <u>DF</u> | | <u>Qualifiers</u> |
| Acetone | | 40 | | 10 | 2.18 | | |
| Benzene | | ND | | 3.5 | 2.18 | | |
| Benzyl Chloride | | ND | | 17 | 2.18 | | |
| Bromodichloromethane | | ND | | 7.3 | 2.18 | | |
| Bromoform | | ND | | 11 | 2.18 | | |
| Bromomethane | | ND | | 4.2 | 2.18 | | |
| 2-Butanone | | ND | | 9.6 | 2.18 | | |
| Carbon Disulfide | | ND | | 14 | 2.18 | | |
| Carbon Tetrachloride | | ND | | 6.9 | 2.18 | | |
| Chlorobenzene | | ND | | 5.0 | 2.18 | | |
| Chloroethane | | ND | | 2.9 | 2.18 | | |
| Chloroform | | ND | | 5.3 | 2.18 | | |
| Chloromethane | | ND | | 2.3 | 2.18 | | |
| Dibromochloromethane | | ND | | 9.3 | 2.18 | | |
| Dichlorodifluoromethane | | ND | | 5.4 | 2.18 | | |
| Diisopropyl Ether (DIPE) | | ND | | 18 | 2.18 | | |
| 1,1-Dichloroethane | | ND | | 4.4 | 2.18 | | |
| 1,1-Dichloroethene | | ND | | 4.3 | 2.18 | | |
| 1,2-Dibromoethane | | ND | | 8.4 | 2.18 | | |
| Dichlorotetrafluoroethane | | ND | | 30 | 2.18 | | |
| 1,2-Dichlorobenzene | | ND | | 6.6 | 2.18 | | |
| 1,2-Dichloroethane | | ND | | 4.4 | 2.18 | | |
| 1,2-Dichloropropane | | ND | | 5.0 | 2.18 | | |
| 1,3-Dichlorobenzene | | ND | | 6.6 | 2.18 | | |
| 1,4-Dichlorobenzene | | ND | | 6.6 | 2.18 | | |
| c-1,3-Dichloropropene | | ND | | 4.9 | 2.18 | | |
| c-1,2-Dichloroethene | | ND | | 4.3 | 2.18 | | |
| t-1,2-Dichloroethene | | ND | | 4.3 | 2.18 | | |
| t-1,3-Dichloropropene | | ND | | 9.9 | 2.18 | | |
| Ethanol | | ND | | 21 | 2.18 | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | | 18 | 2.18 | | |
| Ethylbenzene | | ND | | 4.7 | 2.18 | | |
| 4-Ethyltoluene | | ND | | 5.4 | 2.18 | | |
| Hexachloro-1,3-Butadiene | | ND | | 35 | 2.18 | | |
| 2-Hexanone | | ND | | 13 | 2.18 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 16 | 2.18 | |
| Methylene Chloride | ND | 38 | 2.18 | |
| 4-Methyl-2-Pentanone | ND | 13 | 2.18 | |
| Naphthalene | ND | 57 | 2.18 | |
| o-Xylene | ND | 4.7 | 2.18 | |
| p/m-Xylene | ND | 19 | 2.18 | |
| Styrene | ND | 14 | 2.18 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 18 | 2.18 | |
| Tert-Butyl Alcohol (TBA) | ND | 13 | 2.18 | |
| Tetrachloroethene | 210 | 7.4 | 2.18 | |
| Toluene | ND | 4.1 | 2.18 | |
| Trichloroethene | 14 | 5.9 | 2.18 | |
| Trichlorofluoromethane | ND | 12 | 2.18 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 25 | 2.18 | |
| 1,1,1-Trichloroethane | ND | 5.9 | 2.18 | |
| 1,1,2-Trichloroethane | ND | 5.9 | 2.18 | |
| 1,3,5-Trimethylbenzene | ND | 5.4 | 2.18 | |
| 1,1,2,2-Tetrachloroethane | ND | 15 | 2.18 | |
| 1,2,4-Trimethylbenzene | ND | 16 | 2.18 | |
| 1,2,4-Trichlorobenzene | ND | 32 | 2.18 | |
| Vinyl Acetate | ND | 15 | 2.18 | |
| Vinyl Chloride | ND | 2.8 | 2.18 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 99 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | | |
| Toluene-d8 | 102 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 5 of 17

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC/MS K | N/A | 03/12/15 20:02 | 150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|----------------------------|--------|-----|------|------------|
| Acetone | 40 | 6.4 | 1.35 | |
| Benzene | 3.5 | 2.2 | 1.35 | |
| Benzyl Chloride | ND | 10 | 1.35 | |
| Bromodichloromethane | ND | 4.5 | 1.35 | |
| Bromoform | ND | 7.0 | 1.35 | |
| Bromomethane | ND | 2.6 | 1.35 | |
| 2-Butanone | 19 | 6.0 | 1.35 | |
| Carbon Disulfide | ND | 8.4 | 1.35 | |
| Carbon Tetrachloride | ND | 4.2 | 1.35 | |
| Chlorobenzene | ND | 3.1 | 1.35 | |
| Chloroethane | ND | 1.8 | 1.35 | |
| Chloroform | ND | 3.3 | 1.35 | |
| Chloromethane | ND | 1.4 | 1.35 | |
| Dibromochloromethane | ND | 5.8 | 1.35 | |
| Dichlorodifluoromethane | ND | 3.3 | 1.35 | |
| Diisopropyl Ether (DIPE) | ND | 11 | 1.35 | |
| 1,1-Dichloroethane | ND | 2.7 | 1.35 | |
| 1,1-Dichloroethene | ND | 2.7 | 1.35 | |
| 1,2-Dibromoethane | ND | 5.2 | 1.35 | |
| Dichlorotetrafluoroethane | ND | 19 | 1.35 | |
| 1,2-Dichlorobenzene | ND | 4.1 | 1.35 | |
| 1,2-Dichloroethane | ND | 2.7 | 1.35 | |
| 1,2-Dichloropropane | ND | 3.1 | 1.35 | |
| 1,3-Dichlorobenzene | ND | 4.1 | 1.35 | |
| 1,4-Dichlorobenzene | ND | 4.1 | 1.35 | |
| c-1,3-Dichloropropene | ND | 3.1 | 1.35 | |
| c-1,2-Dichloroethene | ND | 2.7 | 1.35 | |
| t-1,2-Dichloroethene | ND | 2.7 | 1.35 | |
| t-1,3-Dichloropropene | ND | 6.1 | 1.35 | |
| Ethanol | 30 | 13 | 1.35 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 11 | 1.35 | |
| Ethylbenzene | ND | 2.9 | 1.35 | |
| 4-Ethyltoluene | ND | 3.3 | 1.35 | |
| Hexachloro-1,3-Butadiene | ND | 22 | 1.35 | |
| 2-Hexanone | ND | 8.3 | 1.35 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 6 of 17

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 9.7 | 1.35 | |
| Methylene Chloride | ND | 23 | 1.35 | |
| 4-Methyl-2-Pentanone | ND | 8.3 | 1.35 | |
| Naphthalene | ND | 35 | 1.35 | |
| o-Xylene | ND | 2.9 | 1.35 | |
| p/m-Xylene | ND | 12 | 1.35 | |
| Styrene | ND | 8.6 | 1.35 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 11 | 1.35 | |
| Tert-Butyl Alcohol (TBA) | ND | 8.2 | 1.35 | |
| Tetrachloroethene | 9.4 | 4.6 | 1.35 | |
| Toluene | 4.6 | 2.5 | 1.35 | |
| Trichloroethene | ND | 3.6 | 1.35 | |
| Trichlorofluoromethane | ND | 7.6 | 1.35 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 16 | 1.35 | |
| 1,1,1-Trichloroethane | ND | 3.7 | 1.35 | |
| 1,1,2-Trichloroethane | ND | 3.7 | 1.35 | |
| 1,3,5-Trimethylbenzene | ND | 3.3 | 1.35 | |
| 1,1,2,2-Tetrachloroethane | ND | 9.3 | 1.35 | |
| 1,2,4-Trimethylbenzene | ND | 10 | 1.35 | |
| 1,2,4-Trichlorobenzene | ND | 20 | 1.35 | |
| Vinyl Acetate | ND | 9.5 | 1.35 | |
| Vinyl Chloride | ND | 1.7 | 1.35 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 100 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | | |
| Toluene-d8 | 101 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC/MS K | N/A | 03/12/15 20:52 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 52 | 6.4 | 1.35 | | | |
| Benzene | | ND | 2.2 | 1.35 | | | |
| Benzyl Chloride | | ND | 10 | 1.35 | | | |
| Bromodichloromethane | | ND | 4.5 | 1.35 | | | |
| Bromoform | | ND | 7.0 | 1.35 | | | |
| Bromomethane | | ND | 2.6 | 1.35 | | | |
| 2-Butanone | | 7.9 | 6.0 | 1.35 | | | |
| Carbon Disulfide | | ND | 8.4 | 1.35 | | | |
| Carbon Tetrachloride | | ND | 4.2 | 1.35 | | | |
| Chlorobenzene | | ND | 3.1 | 1.35 | | | |
| Chloroethane | | ND | 1.8 | 1.35 | | | |
| Chloroform | | ND | 3.3 | 1.35 | | | |
| Chloromethane | | 1.4 | 1.4 | 1.35 | | | |
| Dibromochloromethane | | ND | 5.8 | 1.35 | | | |
| Dichlorodifluoromethane | | ND | 3.3 | 1.35 | | | |
| Diisopropyl Ether (DIPE) | | ND | 11 | 1.35 | | | |
| 1,1-Dichloroethane | | ND | 2.7 | 1.35 | | | |
| 1,1-Dichloroethene | | ND | 2.7 | 1.35 | | | |
| 1,2-Dibromoethane | | ND | 5.2 | 1.35 | | | |
| Dichlorotetrafluoroethane | | ND | 19 | 1.35 | | | |
| 1,2-Dichlorobenzene | | ND | 4.1 | 1.35 | | | |
| 1,2-Dichloroethane | | ND | 2.7 | 1.35 | | | |
| 1,2-Dichloropropane | | ND | 3.1 | 1.35 | | | |
| 1,3-Dichlorobenzene | | ND | 4.1 | 1.35 | | | |
| 1,4-Dichlorobenzene | | ND | 4.1 | 1.35 | | | |
| c-1,3-Dichloropropene | | ND | 3.1 | 1.35 | | | |
| c-1,2-Dichloroethene | | ND | 2.7 | 1.35 | | | |
| t-1,2-Dichloroethene | | ND | 2.7 | 1.35 | | | |
| t-1,3-Dichloropropene | | ND | 6.1 | 1.35 | | | |
| Ethanol | | 23 | 13 | 1.35 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 11 | 1.35 | | | |
| Ethylbenzene | | ND | 2.9 | 1.35 | | | |
| 4-Ethyltoluene | | ND | 3.3 | 1.35 | | | |
| Hexachloro-1,3-Butadiene | | ND | 22 | 1.35 | | | |
| 2-Hexanone | | ND | 8.3 | 1.35 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 9.7 | 1.35 | |
| Methylene Chloride | ND | 23 | 1.35 | |
| 4-Methyl-2-Pentanone | ND | 8.3 | 1.35 | |
| Naphthalene | ND | 35 | 1.35 | |
| o-Xylene | ND | 2.9 | 1.35 | |
| p/m-Xylene | ND | 12 | 1.35 | |
| Styrene | ND | 8.6 | 1.35 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 11 | 1.35 | |
| Tert-Butyl Alcohol (TBA) | ND | 8.2 | 1.35 | |
| Tetrachloroethene | ND | 4.6 | 1.35 | |
| Toluene | 3.0 | 2.5 | 1.35 | |
| Trichloroethene | ND | 3.6 | 1.35 | |
| Trichlorofluoromethane | ND | 7.6 | 1.35 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 16 | 1.35 | |
| 1,1,1-Trichloroethane | ND | 3.7 | 1.35 | |
| 1,1,2-Trichloroethane | ND | 3.7 | 1.35 | |
| 1,3,5-Trimethylbenzene | ND | 3.3 | 1.35 | |
| 1,1,2,2-Tetrachloroethane | ND | 9.3 | 1.35 | |
| 1,2,4-Trimethylbenzene | ND | 10 | 1.35 | |
| 1,2,4-Trichlorobenzene | ND | 20 | 1.35 | |
| Vinyl Acetate | ND | 9.5 | 1.35 | |
| Vinyl Chloride | ND | 1.7 | 1.35 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 97 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | | |
| Toluene-d8 | 101 | 70-130 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|-------------------|
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC/MS K | N/A | 03/12/15 21:41 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | <u>DF</u> | | <u>Qualifiers</u> |
| Acetone | | 71 | | 6.7 | 1.40 | | |
| Benzene | | ND | | 2.2 | 1.40 | | |
| Benzyl Chloride | | ND | | 11 | 1.40 | | |
| Bromodichloromethane | | ND | | 4.7 | 1.40 | | |
| Bromoform | | ND | | 7.2 | 1.40 | | |
| Bromomethane | | ND | | 2.7 | 1.40 | | |
| 2-Butanone | | 20 | | 6.2 | 1.40 | | |
| Carbon Disulfide | | ND | | 8.7 | 1.40 | | |
| Carbon Tetrachloride | | ND | | 4.4 | 1.40 | | |
| Chlorobenzene | | ND | | 3.2 | 1.40 | | |
| Chloroethane | | ND | | 1.8 | 1.40 | | |
| Chloroform | | ND | | 3.4 | 1.40 | | |
| Chloromethane | | ND | | 1.4 | 1.40 | | |
| Dibromochloromethane | | ND | | 6.0 | 1.40 | | |
| Dichlorodifluoromethane | | ND | | 3.5 | 1.40 | | |
| Diisopropyl Ether (DIPE) | | ND | | 12 | 1.40 | | |
| 1,1-Dichloroethane | | ND | | 2.8 | 1.40 | | |
| 1,1-Dichloroethene | | ND | | 2.8 | 1.40 | | |
| 1,2-Dibromoethane | | ND | | 5.4 | 1.40 | | |
| Dichlorotetrafluoroethane | | ND | | 20 | 1.40 | | |
| 1,2-Dichlorobenzene | | ND | | 4.2 | 1.40 | | |
| 1,2-Dichloroethane | | ND | | 2.8 | 1.40 | | |
| 1,2-Dichloropropane | | ND | | 3.2 | 1.40 | | |
| 1,3-Dichlorobenzene | | ND | | 4.2 | 1.40 | | |
| 1,4-Dichlorobenzene | | ND | | 4.2 | 1.40 | | |
| c-1,3-Dichloropropene | | ND | | 3.2 | 1.40 | | |
| c-1,2-Dichloroethene | | ND | | 2.8 | 1.40 | | |
| t-1,2-Dichloroethene | | ND | | 2.8 | 1.40 | | |
| t-1,3-Dichloropropene | | ND | | 6.4 | 1.40 | | |
| Ethanol | | 45 | | 13 | 1.40 | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | | 12 | 1.40 | | |
| Ethylbenzene | | ND | | 3.0 | 1.40 | | |
| 4-Ethyltoluene | | ND | | 3.4 | 1.40 | | |
| Hexachloro-1,3-Butadiene | | ND | | 22 | 1.40 | | |
| 2-Hexanone | | ND | | 8.6 | 1.40 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 10 | 1.40 | |
| Methylene Chloride | ND | 24 | 1.40 | |
| 4-Methyl-2-Pentanone | ND | 8.6 | 1.40 | |
| Naphthalene | ND | 37 | 1.40 | |
| o-Xylene | ND | 3.0 | 1.40 | |
| p/m-Xylene | ND | 12 | 1.40 | |
| Styrene | ND | 8.9 | 1.40 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 12 | 1.40 | |
| Tert-Butyl Alcohol (TBA) | ND | 8.5 | 1.40 | |
| Tetrachloroethene | 350 | 4.7 | 1.40 | |
| Toluene | 4.0 | 2.6 | 1.40 | |
| Trichloroethene | 62 | 3.8 | 1.40 | |
| Trichlorofluoromethane | ND | 7.9 | 1.40 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 16 | 1.40 | |
| 1,1,1-Trichloroethane | ND | 3.8 | 1.40 | |
| 1,1,2-Trichloroethane | ND | 3.8 | 1.40 | |
| 1,3,5-Trimethylbenzene | ND | 3.4 | 1.40 | |
| 1,1,2,2-Tetrachloroethane | ND | 9.6 | 1.40 | |
| 1,2,4-Trimethylbenzene | ND | 10 | 1.40 | |
| 1,2,4-Trichlorobenzene | ND | 21 | 1.40 | |
| Vinyl Acetate | ND | 9.9 | 1.40 | |
| Vinyl Chloride | ND | 1.8 | 1.40 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 99 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | | |
| Toluene-d8 | 101 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC/MS K | N/A | 03/12/15 22:31 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 77 | 6.4 | 1.34 | | | |
| Benzene | | ND | 2.1 | 1.34 | | | |
| Benzyl Chloride | | ND | 10 | 1.34 | | | |
| Bromodichloromethane | | ND | 4.5 | 1.34 | | | |
| Bromoform | | ND | 6.9 | 1.34 | | | |
| Bromomethane | | ND | 2.6 | 1.34 | | | |
| 2-Butanone | | 8.2 | 5.9 | 1.34 | | | |
| Carbon Disulfide | | ND | 8.3 | 1.34 | | | |
| Carbon Tetrachloride | | ND | 4.2 | 1.34 | | | |
| Chlorobenzene | | ND | 3.1 | 1.34 | | | |
| Chloroethane | | ND | 1.8 | 1.34 | | | |
| Chloroform | | ND | 3.3 | 1.34 | | | |
| Chloromethane | | ND | 1.4 | 1.34 | | | |
| Dibromochloromethane | | ND | 5.7 | 1.34 | | | |
| Dichlorodifluoromethane | | ND | 3.3 | 1.34 | | | |
| Diisopropyl Ether (DIPE) | | ND | 11 | 1.34 | | | |
| 1,1-Dichloroethane | | ND | 2.7 | 1.34 | | | |
| 1,1-Dichloroethene | | ND | 2.7 | 1.34 | | | |
| 1,2-Dibromoethane | | ND | 5.1 | 1.34 | | | |
| Dichlorotetrafluoroethane | | ND | 19 | 1.34 | | | |
| 1,2-Dichlorobenzene | | ND | 4.0 | 1.34 | | | |
| 1,2-Dichloroethane | | ND | 2.7 | 1.34 | | | |
| 1,2-Dichloropropane | | ND | 3.1 | 1.34 | | | |
| 1,3-Dichlorobenzene | | ND | 4.0 | 1.34 | | | |
| 1,4-Dichlorobenzene | | ND | 4.0 | 1.34 | | | |
| c-1,3-Dichloropropene | | ND | 3.0 | 1.34 | | | |
| c-1,2-Dichloroethene | | ND | 2.7 | 1.34 | | | |
| t-1,2-Dichloroethene | | ND | 2.7 | 1.34 | | | |
| t-1,3-Dichloropropene | | ND | 6.1 | 1.34 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 11 | 1.34 | | | |
| Ethylbenzene | | ND | 2.9 | 1.34 | | | |
| 4-Ethyltoluene | | ND | 3.3 | 1.34 | | | |
| Hexachloro-1,3-Butadiene | | ND | 21 | 1.34 | | | |
| 2-Hexanone | | ND | 8.2 | 1.34 | | | |
| Methyl-t-Butyl Ether (MTBE) | | ND | 9.7 | 1.34 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| Methylene Chloride | ND | 23 | 1.34 | |
| 4-Methyl-2-Pentanone | ND | 8.2 | 1.34 | |
| Naphthalene | ND | 35 | 1.34 | |
| o-Xylene | ND | 2.9 | 1.34 | |
| p/m-Xylene | ND | 12 | 1.34 | |
| Styrene | ND | 8.6 | 1.34 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 11 | 1.34 | |
| Tert-Butyl Alcohol (TBA) | 10 | 8.1 | 1.34 | |
| Tetrachloroethene | 110 | 4.5 | 1.34 | |
| Toluene | ND | 2.5 | 1.34 | |
| Trichloroethene | 5.4 | 3.6 | 1.34 | |
| Trichlorofluoromethane | ND | 7.5 | 1.34 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 15 | 1.34 | |
| 1,1,1-Trichloroethane | ND | 3.7 | 1.34 | |
| 1,1,2-Trichloroethane | ND | 3.7 | 1.34 | |
| 1,3,5-Trimethylbenzene | ND | 3.3 | 1.34 | |
| 1,1,2,2-Tetrachloroethane | ND | 9.2 | 1.34 | |
| 1,2,4-Trimethylbenzene | ND | 9.9 | 1.34 | |
| 1,2,4-Trichlorobenzene | ND | 20 | 1.34 | |
| Vinyl Acetate | ND | 9.4 | 1.34 | |
| Vinyl Chloride | ND | 1.7 | 1.34 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 101 | 68-134 | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | |
| Toluene-d8 | 102 | 70-130 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|-----------------|---------------|---------------------------|------------------|
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC/MS AA | N/A | 03/14/15 01:50 | 150313L03 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Ethanol | 1000 | 25 | 2.68 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 104 | 68-134 | |
| 1,2-Dichloroethane-d4 | 103 | 67-133 | |
| Toluene-d8 | 101 | 70-130 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------------|
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC/MS K | N/A | 03/12/15 23:21 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | <u>DF</u> | | <u>Qualifiers</u> |
| Acetone | | 56 | | 9.6 | 2.03 | | |
| Benzene | | ND | | 3.2 | 2.03 | | |
| Benzyl Chloride | | ND | | 16 | 2.03 | | |
| Bromodichloromethane | | ND | | 6.8 | 2.03 | | |
| Bromoform | | ND | | 10 | 2.03 | | |
| Bromomethane | | ND | | 3.9 | 2.03 | | |
| 2-Butanone | | ND | | 9.0 | 2.03 | | |
| Carbon Disulfide | | ND | | 13 | 2.03 | | |
| Carbon Tetrachloride | | ND | | 6.4 | 2.03 | | |
| Chlorobenzene | | ND | | 4.7 | 2.03 | | |
| Chloroethane | | ND | | 2.7 | 2.03 | | |
| Chloroform | | ND | | 5.0 | 2.03 | | |
| Chloromethane | | ND | | 2.1 | 2.03 | | |
| Dibromochloromethane | | ND | | 8.6 | 2.03 | | |
| Dichlorodifluoromethane | | ND | | 5.0 | 2.03 | | |
| Diisopropyl Ether (DIPE) | | ND | | 17 | 2.03 | | |
| 1,1-Dichloroethane | | ND | | 4.1 | 2.03 | | |
| 1,1-Dichloroethene | | ND | | 4.0 | 2.03 | | |
| 1,2-Dibromoethane | | ND | | 7.8 | 2.03 | | |
| Dichlorotetrafluoroethane | | ND | | 28 | 2.03 | | |
| 1,2-Dichlorobenzene | | ND | | 6.1 | 2.03 | | |
| 1,2-Dichloroethane | | ND | | 4.1 | 2.03 | | |
| 1,2-Dichloropropane | | ND | | 4.7 | 2.03 | | |
| 1,3-Dichlorobenzene | | ND | | 6.1 | 2.03 | | |
| 1,4-Dichlorobenzene | | ND | | 6.1 | 2.03 | | |
| c-1,3-Dichloropropene | | ND | | 4.6 | 2.03 | | |
| c-1,2-Dichloroethene | | ND | | 4.0 | 2.03 | | |
| t-1,2-Dichloroethene | | ND | | 4.0 | 2.03 | | |
| t-1,3-Dichloropropene | | ND | | 9.2 | 2.03 | | |
| Ethanol | | ND | | 19 | 2.03 | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | | 17 | 2.03 | | |
| Ethylbenzene | | ND | | 4.4 | 2.03 | | |
| 4-Ethyltoluene | | ND | | 5.0 | 2.03 | | |
| Hexachloro-1,3-Butadiene | | ND | | 32 | 2.03 | | |
| 2-Hexanone | | ND | | 12 | 2.03 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 14 of 17

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 15 | 2.03 | |
| Methylene Chloride | ND | 35 | 2.03 | |
| 4-Methyl-2-Pentanone | ND | 12 | 2.03 | |
| Naphthalene | ND | 53 | 2.03 | |
| o-Xylene | ND | 4.4 | 2.03 | |
| p/m-Xylene | ND | 18 | 2.03 | |
| Styrene | ND | 13 | 2.03 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 17 | 2.03 | |
| Tert-Butyl Alcohol (TBA) | ND | 12 | 2.03 | |
| Tetrachloroethene | 59 | 6.9 | 2.03 | |
| Toluene | ND | 3.8 | 2.03 | |
| Trichloroethene | 8.0 | 5.5 | 2.03 | |
| Trichlorofluoromethane | ND | 11 | 2.03 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 23 | 2.03 | |
| 1,1,1-Trichloroethane | ND | 5.5 | 2.03 | |
| 1,1,2-Trichloroethane | ND | 5.5 | 2.03 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 2.03 | |
| 1,1,2,2-Tetrachloroethane | ND | 14 | 2.03 | |
| 1,2,4-Trimethylbenzene | ND | 15 | 2.03 | |
| 1,2,4-Trichlorobenzene | ND | 30 | 2.03 | |
| Vinyl Acetate | ND | 14 | 2.03 | |
| Vinyl Chloride | ND | 2.6 | 2.03 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 98 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | | |
| Toluene-d8 | 101 | 70-130 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 095-01-021-15055 | N/A | Air | GC/MS K | N/A | 03/12/15 17:21 | 150312L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| Acetone | ND | 4.8 | 1.00 | | | | |
| Benzene | ND | 1.6 | 1.00 | | | | |
| Benzyl Chloride | ND | 7.8 | 1.00 | | | | |
| Bromodichloromethane | ND | 3.4 | 1.00 | | | | |
| Bromoform | ND | 5.2 | 1.00 | | | | |
| Bromomethane | ND | 1.9 | 1.00 | | | | |
| 2-Butanone | ND | 4.4 | 1.00 | | | | |
| Carbon Disulfide | ND | 6.2 | 1.00 | | | | |
| Carbon Tetrachloride | ND | 3.1 | 1.00 | | | | |
| Chlorobenzene | ND | 2.3 | 1.00 | | | | |
| Chloroethane | ND | 1.3 | 1.00 | | | | |
| Chloroform | ND | 2.4 | 1.00 | | | | |
| Chloromethane | ND | 1.0 | 1.00 | | | | |
| Dibromochloromethane | ND | 4.3 | 1.00 | | | | |
| Dichlorodifluoromethane | ND | 2.5 | 1.00 | | | | |
| Diisopropyl Ether (DIPE) | ND | 8.4 | 1.00 | | | | |
| 1,1-Dichloroethane | ND | 2.0 | 1.00 | | | | |
| 1,1-Dichloroethene | ND | 2.0 | 1.00 | | | | |
| 1,2-Dibromoethane | ND | 3.8 | 1.00 | | | | |
| Dichlorotetrafluoroethane | ND | 14 | 1.00 | | | | |
| 1,2-Dichlorobenzene | ND | 3.0 | 1.00 | | | | |
| 1,2-Dichloroethane | ND | 2.0 | 1.00 | | | | |
| 1,2-Dichloropropane | ND | 2.3 | 1.00 | | | | |
| 1,3-Dichlorobenzene | ND | 3.0 | 1.00 | | | | |
| 1,4-Dichlorobenzene | ND | 3.0 | 1.00 | | | | |
| c-1,3-Dichloropropene | ND | 2.3 | 1.00 | | | | |
| c-1,2-Dichloroethene | ND | 2.0 | 1.00 | | | | |
| t-1,2-Dichloroethene | ND | 2.0 | 1.00 | | | | |
| t-1,3-Dichloropropene | ND | 4.5 | 1.00 | | | | |
| Ethanol | ND | 9.4 | 1.00 | | | | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 8.4 | 1.00 | | | | |
| Ethylbenzene | ND | 2.2 | 1.00 | | | | |
| 4-Ethyltoluene | ND | 2.5 | 1.00 | | | | |
| Hexachloro-1,3-Butadiene | ND | 16 | 1.00 | | | | |
| 2-Hexanone | ND | 6.1 | 1.00 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 16 of 17

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | ND | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 100 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | | |
| Toluene-d8 | 102 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 095-01-021-15063 | N/A | Air | GC/MS AA | N/A | 03/13/15 13:16 | 150313L03 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Ethanol | ND | 9.4 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 99 | 68-134 | |
| 1,2-Dichloroethane-d4 | 100 | 67-133 | |
| Toluene-d8 | 102 | 70-130 | |

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 18

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC/MS DD | N/A | 03/06/15 20:17 | 150306L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.28 | 1.45 | | | | |
| Dichlorotetrafluoroethane | ND | 0.25 | 1.45 | | | | |
| 1,2-Dichloropropane | ND | 0.17 | 1.45 | | | | |
| Bromomethane | ND | 0.14 | 1.45 | | | | |
| c-1,3-Dichloropropene | ND | 0.16 | 1.45 | | | | |
| t-1,3-Dichloropropene | ND | 0.16 | 1.45 | | | | |
| 1,1,1-Trichloroethane | ND | 0.20 | 1.45 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.25 | 1.45 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.51 | 0.28 | 1.45 | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | 1.45 | | | | |
| 1,1-Dichloroethane | ND | 0.15 | 1.45 | | | | |
| 1,1-Dichloroethene | ND | 0.14 | 1.45 | | | | |
| 1,1-Difluoroethane | ND | 0.98 | 1.45 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.27 | 1.45 | | | | |
| 1,2,4-Trimethylbenzene | 1.1 | 0.36 | 1.45 | | | | |
| 1,2-Dichlorobenzene | ND | 0.22 | 1.45 | | | | |
| 1,2-Dichloroethane | ND | 0.15 | 1.45 | | | | |
| 1,3,5-Trimethylbenzene | 0.31 | 0.18 | 1.45 | | | | |
| 1,3-Dichlorobenzene | ND | 0.22 | 1.45 | | | | |
| 1,4-Dichlorobenzene | ND | 0.22 | 1.45 | | | | |
| 1,4-Dioxane | ND | 1.3 | 1.45 | | | | |
| 2-Butanone | ND | 2.1 | 1.45 | | | | |
| 4-Ethyltoluene | 0.50 | 0.36 | 1.45 | | | | |
| Benzene | 2.1 | 0.12 | 1.45 | | | | |
| Bromodichloromethane | ND | 0.24 | 1.45 | | | | |
| Carbon Disulfide | ND | 2.3 | 1.45 | | | | |
| Carbon Tetrachloride | 0.39 | 0.091 | 1.45 | | | | |
| Chlorobenzene | ND | 0.17 | 1.45 | | | | |
| Chloroethane | ND | 0.096 | 1.45 | | | | |
| Chloroform | ND | 0.18 | 1.45 | | | | |
| Chloromethane | 0.33 | 0.075 | 1.45 | | | | |
| Dibromochloromethane | ND | 0.31 | 1.45 | | | | |
| Dichlorodifluoromethane | 2.0 | 0.18 | 1.45 | | | | |
| Ethylbenzene | 0.52 | 0.16 | 1.45 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.39 | 1.45 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.51 | 1.45 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.13 | 1.45 | |
| Methylene Chloride | ND | 0.13 | 1.45 | |
| Naphthalene | 0.33 | 0.076 | 1.45 | |
| Toluene | 1.1 | 0.27 | 1.45 | |
| Trichloroethene | 22 | 0.19 | 1.45 | |
| Trichlorofluoromethane | 1.2 | 0.20 | 1.45 | |
| Vinyl Chloride | ND | 0.037 | 1.45 | |
| c-1,2-Dichloroethene | ND | 0.14 | 1.45 | |
| o-Xylene | 0.67 | 0.16 | 1.45 | |
| p/m-Xylene | 1.7 | 0.16 | 1.45 | |
| t-1,2-Dichloroethene | ND | 0.14 | 1.45 | |
| 1,3-Butadiene | ND | 0.080 | 1.45 | |
| 1,2,3-Trichlorobenzene | ND | 0.27 | 1.45 | |
| 1,2,3-Trichloropropane | ND | 0.22 | 1.45 | |
| Styrene | ND | 0.15 | 1.45 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 93 | 37-163 | | |
| 1,4-Bromofluorobenzene | 102 | 45-153 | | |
| Toluene-d8 | 92 | 73-121 | | |



Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC/MS DD | N/A | 03/06/15 21:17 | 150306L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.29 | 1.50 | |
| Dichlorotetrafluoroethane | ND | 0.26 | 1.50 | |
| 1,2-Dichloropropane | ND | 0.17 | 1.50 | |
| Bromomethane | ND | 0.15 | 1.50 | |
| c-1,3-Dichloropropene | ND | 0.17 | 1.50 | |
| t-1,3-Dichloropropene | ND | 0.17 | 1.50 | |
| 1,1,1-Trichloroethane | ND | 0.20 | 1.50 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.26 | 1.50 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.52 | 0.29 | 1.50 | |
| 1,1,2-Trichloroethane | ND | 0.20 | 1.50 | |
| 1,1-Dichloroethane | ND | 0.15 | 1.50 | |
| 1,1-Dichloroethene | ND | 0.15 | 1.50 | |
| 1,1-Difluoroethane | 1.0 | 1.0 | 1.50 | |
| 1,2,4-Trichlorobenzene | ND | 0.28 | 1.50 | |
| 1,2,4-Trimethylbenzene | 1.1 | 0.37 | 1.50 | |
| 1,2-Dichlorobenzene | ND | 0.23 | 1.50 | |
| 1,2-Dichloroethane | ND | 0.15 | 1.50 | |
| 1,3,5-Trimethylbenzene | 0.29 | 0.18 | 1.50 | |
| 1,3-Dichlorobenzene | ND | 0.23 | 1.50 | |
| 1,4-Dichlorobenzene | ND | 0.23 | 1.50 | |
| 1,4-Dioxane | ND | 1.4 | 1.50 | |
| 2-Butanone | ND | 2.2 | 1.50 | |
| 4-Ethyltoluene | 0.48 | 0.37 | 1.50 | |
| Benzene | 2.1 | 0.12 | 1.50 | |
| Bromodichloromethane | ND | 0.25 | 1.50 | |
| Carbon Disulfide | ND | 2.3 | 1.50 | |
| Carbon Tetrachloride | 0.42 | 0.094 | 1.50 | |
| Chlorobenzene | ND | 0.17 | 1.50 | |
| Chloroethane | ND | 0.099 | 1.50 | |
| Chloroform | ND | 0.18 | 1.50 | |
| Chloromethane | 0.38 | 0.077 | 1.50 | |
| Dibromochloromethane | ND | 0.32 | 1.50 | |
| Dichlorodifluoromethane | 2.1 | 0.19 | 1.50 | |
| Ethylbenzene | 0.54 | 0.16 | 1.50 | |
| Hexachloro-1,3-Butadiene | ND | 0.40 | 1.50 | |

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

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/06/15
 Work Order: 15-03-0437
 Preparation: N/A
 Method: EPA TO-15 SIM
 Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.53 | 1.50 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.14 | 1.50 | |
| Methylene Chloride | ND | 0.13 | 1.50 | |
| Naphthalene | 0.25 | 0.079 | 1.50 | |
| Toluene | 1.2 | 0.28 | 1.50 | |
| Trichloroethene | 24 | 0.20 | 1.50 | |
| Trichlorofluoromethane | 1.1 | 0.21 | 1.50 | |
| Vinyl Chloride | ND | 0.038 | 1.50 | |
| c-1,2-Dichloroethene | 0.17 | 0.15 | 1.50 | |
| o-Xylene | 0.62 | 0.16 | 1.50 | |
| p/m-Xylene | 1.6 | 0.16 | 1.50 | |
| t-1,2-Dichloroethene | ND | 0.15 | 1.50 | |
| 1,3-Butadiene | ND | 0.083 | 1.50 | |
| 1,2,3-Trichlorobenzene | ND | 0.28 | 1.50 | |
| 1,2,3-Trichloropropane | ND | 0.23 | 1.50 | |
| Styrene | ND | 0.16 | 1.50 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 90 | 37-163 | | |
| 1,4-Bromofluorobenzene | 100 | 45-153 | | |
| Toluene-d8 | 95 | 73-121 | | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC/MS DD | N/A | 03/06/15 22:15 | 150306L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.27 | 1.42 | | | | |
| Dichlorotetrafluoroethane | ND | 0.25 | 1.42 | | | | |
| 1,2-Dichloropropane | ND | 0.16 | 1.42 | | | | |
| Bromomethane | 0.25 | 0.14 | 1.42 | | | | |
| c-1,3-Dichloropropene | ND | 0.16 | 1.42 | | | | |
| t-1,3-Dichloropropene | ND | 0.16 | 1.42 | | | | |
| 1,1,1-Trichloroethane | ND | 0.19 | 1.42 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.24 | 1.42 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.54 | 0.27 | 1.42 | | | | |
| 1,1,2-Trichloroethane | ND | 0.19 | 1.42 | | | | |
| 1,1-Dichloroethane | ND | 0.14 | 1.42 | | | | |
| 1,1-Dichloroethene | ND | 0.14 | 1.42 | | | | |
| 1,1-Difluoroethane | ND | 0.96 | 1.42 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.26 | 1.42 | | | | |
| 1,2,4-Trimethylbenzene | 1.3 | 0.35 | 1.42 | | | | |
| 1,2-Dichlorobenzene | ND | 0.21 | 1.42 | | | | |
| 1,2-Dichloroethane | ND | 0.14 | 1.42 | | | | |
| 1,3,5-Trimethylbenzene | 0.31 | 0.17 | 1.42 | | | | |
| 1,3-Dichlorobenzene | ND | 0.21 | 1.42 | | | | |
| 1,4-Dichlorobenzene | ND | 0.21 | 1.42 | | | | |
| 1,4-Dioxane | ND | 1.3 | 1.42 | | | | |
| 2-Butanone | 2.9 | 2.1 | 1.42 | | | | |
| 4-Ethyltoluene | 0.51 | 0.35 | 1.42 | | | | |
| Benzene | 5.0 | 0.11 | 1.42 | | | | |
| Bromodichloromethane | ND | 0.24 | 1.42 | | | | |
| Carbon Disulfide | ND | 2.2 | 1.42 | | | | |
| Carbon Tetrachloride | 0.42 | 0.089 | 1.42 | | | | |
| Chlorobenzene | ND | 0.16 | 1.42 | | | | |
| Chloroethane | ND | 0.094 | 1.42 | | | | |
| Chloroform | 1.3 | 0.17 | 1.42 | | | | |
| Chloromethane | 0.70 | 0.073 | 1.42 | | | | |
| Dibromochloromethane | ND | 0.30 | 1.42 | | | | |
| Dichlorodifluoromethane | 2.1 | 0.18 | 1.42 | | | | |
| Ethylbenzene | 0.94 | 0.15 | 1.42 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.38 | 1.42 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.53 | 0.50 | 1.42 | |
| Methyl-t-Butyl Ether (MTBE) | 0.13 | 0.13 | 1.42 | |
| Methylene Chloride | 0.19 | 0.12 | 1.42 | |
| Naphthalene | 0.22 | 0.074 | 1.42 | |
| Tetrachloroethene | 21 | 0.24 | 1.42 | |
| Toluene | 2.4 | 0.27 | 1.42 | |
| Trichloroethene | 0.42 | 0.19 | 1.42 | |
| Trichlorofluoromethane | 1.2 | 0.20 | 1.42 | |
| Vinyl Chloride | 0.049 | 0.036 | 1.42 | |
| c-1,2-Dichloroethene | ND | 0.14 | 1.42 | |
| o-Xylene | 1.1 | 0.15 | 1.42 | |
| p/m-Xylene | 2.6 | 0.15 | 1.42 | |
| t-1,2-Dichloroethene | ND | 0.14 | 1.42 | |
| 1,3-Butadiene | ND | 0.079 | 1.42 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | 1.42 | |
| 1,2,3-Trichloropropane | ND | 0.21 | 1.42 | |
| Styrene | 0.32 | 0.15 | 1.42 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 91 | 37-163 | | |
| 1,4-Bromofluorobenzene | 102 | 45-153 | | |
| Toluene-d8 | 94 | 73-121 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC/MS DD | N/A | 03/06/15 23:12 | 150306L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.51 | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | 0.62 | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | 0.17 | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | 3.7 | 1.5 | 1.00 | |
| 4-Ethyltoluene | 0.28 | 0.25 | 1.00 | |
| Benzene | 2.2 | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | 0.42 | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | ND | 0.12 | 1.00 | |
| Chloromethane | 1.1 | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | 2.0 | 0.12 | 1.00 | |
| Ethylbenzene | 0.51 | 0.11 | 1.00 | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.55 | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.39 | 0.087 | 1.00 | |
| Naphthalene | 0.16 | 0.052 | 1.00 | |
| Tetrachloroethene | 5.8 | 0.17 | 1.00 | |
| Toluene | 1.9 | 0.19 | 1.00 | |
| Trichloroethene | 1.8 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | 0.032 | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | 0.21 | 0.099 | 1.00 | |
| o-Xylene | 0.59 | 0.11 | 1.00 | |
| p/m-Xylene | 1.5 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | ND | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.31 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 91 | 37-163 | | |
| 1,4-Bromofluorobenzene | 97 | 45-153 | | |
| Toluene-d8 | 98 | 73-121 | | |



Return to Contents

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC/MS DD | N/A | 03/07/15 10:29 | 150306L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.22 | 1.13 | |
| Dichlorotetrafluoroethane | ND | 0.20 | 1.13 | |
| 1,2-Dichloropropane | ND | 0.13 | 1.13 | |
| Bromomethane | ND | 0.11 | 1.13 | |
| c-1,3-Dichloropropene | ND | 0.13 | 1.13 | |
| t-1,3-Dichloropropene | ND | 0.13 | 1.13 | |
| 1,1,1-Trichloroethane | ND | 0.15 | 1.13 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.19 | 1.13 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.50 | 0.22 | 1.13 | |
| 1,1,2-Trichloroethane | ND | 0.15 | 1.13 | |
| 1,1-Dichloroethane | ND | 0.11 | 1.13 | |
| 1,1-Dichloroethene | ND | 0.11 | 1.13 | |
| 1,1-Difluoroethane | ND | 0.76 | 1.13 | |
| 1,2,4-Trichlorobenzene | ND | 0.21 | 1.13 | |
| 1,2,4-Trimethylbenzene | 1.7 | 0.28 | 1.13 | |
| 1,2-Dichlorobenzene | ND | 0.17 | 1.13 | |
| 1,2-Dichloroethane | ND | 0.11 | 1.13 | |
| 1,3,5-Trimethylbenzene | 0.56 | 0.14 | 1.13 | |
| 1,3-Dichlorobenzene | ND | 0.17 | 1.13 | |
| 1,4-Dichlorobenzene | ND | 0.17 | 1.13 | |
| 1,4-Dioxane | ND | 1.0 | 1.13 | |
| 2-Butanone | 4.8 | 1.7 | 1.13 | |
| 4-Ethyltoluene | 0.81 | 0.28 | 1.13 | |
| Benzene | 1.7 | 0.090 | 1.13 | |
| Bromodichloromethane | ND | 0.19 | 1.13 | |
| Carbon Disulfide | ND | 1.8 | 1.13 | |
| Carbon Tetrachloride | 0.41 | 0.071 | 1.13 | |
| Chlorobenzene | ND | 0.13 | 1.13 | |
| Chloroethane | ND | 0.075 | 1.13 | |
| Chloroform | 0.20 | 0.14 | 1.13 | |
| Chloromethane | 0.48 | 0.058 | 1.13 | |
| Dibromochloromethane | ND | 0.24 | 1.13 | |
| Dichlorodifluoromethane | 1.8 | 0.14 | 1.13 | |
| Ethylbenzene | 1.1 | 0.12 | 1.13 | |
| Hexachloro-1,3-Butadiene | ND | 0.30 | 1.13 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.82 | 0.40 | 1.13 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.10 | 1.13 | |
| Methylene Chloride | 0.18 | 0.098 | 1.13 | |
| Naphthalene | 1.7 | 0.059 | 1.13 | |
| Toluene | 2.2 | 0.21 | 1.13 | |
| Trichlorofluoromethane | 1.0 | 0.16 | 1.13 | |
| Vinyl Chloride | 0.041 | 0.029 | 1.13 | |
| c-1,2-Dichloroethene | 1.9 | 0.11 | 1.13 | |
| o-Xylene | 0.96 | 0.12 | 1.13 | |
| p/m-Xylene | 3.1 | 0.12 | 1.13 | |
| t-1,2-Dichloroethene | 0.37 | 0.11 | 1.13 | |
| 1,3-Butadiene | 0.097 | 0.062 | 1.13 | |
| 1,2,3-Trichlorobenzene | ND | 0.21 | 1.13 | |
| 1,2,3-Trichloropropane | ND | 0.17 | 1.13 | |
| Styrene | 0.20 | 0.12 | 1.13 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 89 | 37-163 | | |
| 1,4-Bromofluorobenzene | 107 | 45-153 | | |
| Toluene-d8 | 101 | 73-121 | | |



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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC/MS DD | N/A | 03/07/15 19:00 | 150307L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.27 | 1.40 | | | | |
| Dichlorotetrafluoroethane | ND | 0.24 | 1.40 | | | | |
| 1,2-Dichloropropane | ND | 0.16 | 1.40 | | | | |
| Bromomethane | ND | 0.14 | 1.40 | | | | |
| c-1,3-Dichloropropene | ND | 0.16 | 1.40 | | | | |
| t-1,3-Dichloropropene | ND | 0.16 | 1.40 | | | | |
| 1,1,1-Trichloroethane | ND | 0.19 | 1.40 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.24 | 1.40 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.53 | 0.27 | 1.40 | | | | |
| 1,1,2-Trichloroethane | ND | 0.19 | 1.40 | | | | |
| 1,1-Dichloroethane | ND | 0.14 | 1.40 | | | | |
| 1,1-Dichloroethene | ND | 0.14 | 1.40 | | | | |
| 1,1-Difluoroethane | 7.8 | 0.95 | 1.40 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.26 | 1.40 | | | | |
| 1,2,4-Trimethylbenzene | 0.92 | 0.34 | 1.40 | | | | |
| 1,2-Dichlorobenzene | ND | 0.21 | 1.40 | | | | |
| 1,2-Dichloroethane | ND | 0.14 | 1.40 | | | | |
| 1,3,5-Trimethylbenzene | 0.26 | 0.17 | 1.40 | | | | |
| 1,3-Dichlorobenzene | ND | 0.21 | 1.40 | | | | |
| 1,4-Dichlorobenzene | ND | 0.21 | 1.40 | | | | |
| 1,4-Dioxane | ND | 1.3 | 1.40 | | | | |
| 2-Butanone | 7.3 | 2.1 | 1.40 | | | | |
| 4-Ethyltoluene | 0.46 | 0.34 | 1.40 | | | | |
| Benzene | 2.3 | 0.11 | 1.40 | | | | |
| Bromodichloromethane | ND | 0.23 | 1.40 | | | | |
| Carbon Disulfide | ND | 2.2 | 1.40 | | | | |
| Carbon Tetrachloride | 0.38 | 0.088 | 1.40 | | | | |
| Chlorobenzene | ND | 0.16 | 1.40 | | | | |
| Chloroethane | ND | 0.092 | 1.40 | | | | |
| Chloroform | 0.29 | 0.17 | 1.40 | | | | |
| Chloromethane | 0.59 | 0.072 | 1.40 | | | | |
| Dibromochloromethane | ND | 0.30 | 1.40 | | | | |
| Dichlorodifluoromethane | 2.1 | 0.17 | 1.40 | | | | |
| Ethylbenzene | 0.71 | 0.15 | 1.40 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.37 | 1.40 | | | | |

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

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/06/15
 Work Order: 15-03-0437
 Preparation: N/A
 Method: EPA TO-15 SIM
 Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.57 | 0.49 | 1.40 | |
| Methyl-t-Butyl Ether (MTBE) | 0.23 | 0.13 | 1.40 | |
| Methylene Chloride | 0.18 | 0.12 | 1.40 | |
| Naphthalene | 0.24 | 0.073 | 1.40 | |
| Toluene | 1.6 | 0.26 | 1.40 | |
| Trichloroethene | 11 | 0.19 | 1.40 | |
| Trichlorofluoromethane | 1.3 | 0.20 | 1.40 | |
| Vinyl Chloride | 0.10 | 0.036 | 1.40 | |
| c-1,2-Dichloroethene | ND | 0.14 | 1.40 | |
| o-Xylene | 0.65 | 0.15 | 1.40 | |
| p/m-Xylene | 1.6 | 0.15 | 1.40 | |
| t-1,2-Dichloroethene | ND | 0.14 | 1.40 | |
| 1,3-Butadiene | ND | 0.077 | 1.40 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | 1.40 | |
| 1,2,3-Trichloropropane | ND | 0.21 | 1.40 | |
| Styrene | 0.67 | 0.15 | 1.40 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 91 | 37-163 | | |
| 1,4-Bromofluorobenzene | 99 | 45-153 | | |
| Toluene-d8 | 97 | 73-121 | | |

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



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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC/MS DD | N/A | 03/07/15 20:00 | 150307L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.37 | 1.91 | | | | |
| Dichlorotetrafluoroethane | ND | 0.33 | 1.91 | | | | |
| 1,2-Dichloropropane | ND | 0.22 | 1.91 | | | | |
| Bromomethane | ND | 0.19 | 1.91 | | | | |
| c-1,3-Dichloropropene | ND | 0.22 | 1.91 | | | | |
| t-1,3-Dichloropropene | ND | 0.22 | 1.91 | | | | |
| 1,1,1-Trichloroethane | ND | 0.26 | 1.91 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.33 | 1.91 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.55 | 0.37 | 1.91 | | | | |
| 1,1,2-Trichloroethane | ND | 0.26 | 1.91 | | | | |
| 1,1-Dichloroethane | ND | 0.19 | 1.91 | | | | |
| 1,1-Dichloroethene | ND | 0.19 | 1.91 | | | | |
| 1,1-Difluoroethane | ND | 1.3 | 1.91 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.35 | 1.91 | | | | |
| 1,2,4-Trimethylbenzene | 1.4 | 0.47 | 1.91 | | | | |
| 1,2-Dichlorobenzene | ND | 0.29 | 1.91 | | | | |
| 1,2-Dichloroethane | ND | 0.19 | 1.91 | | | | |
| 1,3,5-Trimethylbenzene | 0.45 | 0.23 | 1.91 | | | | |
| 1,3-Dichlorobenzene | ND | 0.29 | 1.91 | | | | |
| 1,4-Dichlorobenzene | ND | 0.29 | 1.91 | | | | |
| 1,4-Dioxane | ND | 1.7 | 1.91 | | | | |
| 2-Butanone | 6.3 | 2.8 | 1.91 | | | | |
| 4-Ethyltoluene | 0.71 | 0.47 | 1.91 | | | | |
| Benzene | 4.0 | 0.15 | 1.91 | | | | |
| Bromodichloromethane | ND | 0.32 | 1.91 | | | | |
| Carbon Disulfide | ND | 3.0 | 1.91 | | | | |
| Carbon Tetrachloride | 0.46 | 0.12 | 1.91 | | | | |
| Chlorobenzene | ND | 0.22 | 1.91 | | | | |
| Chloroethane | ND | 0.13 | 1.91 | | | | |
| Chloroform | 0.48 | 0.23 | 1.91 | | | | |
| Chloromethane | 0.63 | 0.099 | 1.91 | | | | |
| Dibromochloromethane | ND | 0.41 | 1.91 | | | | |
| Dichlorodifluoromethane | 2.3 | 0.24 | 1.91 | | | | |
| Ethylbenzene | 0.91 | 0.21 | 1.91 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.51 | 1.91 | | | | |

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

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/06/15
 Work Order: 15-03-0437
 Preparation: N/A
 Method: EPA TO-15 SIM
 Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.84 | 0.67 | 1.91 | |
| Methyl-t-Butyl Ether (MTBE) | 0.36 | 0.17 | 1.91 | |
| Methylene Chloride | ND | 0.17 | 1.91 | |
| Naphthalene | 0.36 | 0.10 | 1.91 | |
| Toluene | 1.9 | 0.36 | 1.91 | |
| Trichloroethene | 10 | 0.26 | 1.91 | |
| Trichlorofluoromethane | 1.2 | 0.27 | 1.91 | |
| Vinyl Chloride | 0.21 | 0.049 | 1.91 | |
| c-1,2-Dichloroethene | ND | 0.19 | 1.91 | |
| o-Xylene | 1.0 | 0.21 | 1.91 | |
| p/m-Xylene | 2.7 | 0.21 | 1.91 | |
| t-1,2-Dichloroethene | ND | 0.19 | 1.91 | |
| 1,3-Butadiene | ND | 0.11 | 1.91 | |
| 1,2,3-Trichlorobenzene | ND | 0.35 | 1.91 | |
| 1,2,3-Trichloropropane | ND | 0.29 | 1.91 | |
| Styrene | 0.20 | 0.20 | 1.91 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 93 | 37-163 | | |
| 1,4-Bromofluorobenzene | 99 | 45-153 | | |
| Toluene-d8 | 99 | 73-121 | | |



 Return to Contents

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-----------------------|---------------------|------------|-----------------|---------------|---------------------------|-------------------|
| Method Blank | 099-15-214-164 | N/A | Air | GC/MS DD | N/A | 03/06/15 19:18 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | <u>DF</u> | | <u>Qualifiers</u> |
| 1,2-Dibromoethane | | ND | | 0.19 | 1.00 | | |
| Dichlorotetrafluoroethane | | ND | | 0.17 | 1.00 | | |
| 1,2-Dichloropropane | | ND | | 0.12 | 1.00 | | |
| Bromomethane | | ND | | 0.097 | 1.00 | | |
| c-1,3-Dichloropropene | | ND | | 0.11 | 1.00 | | |
| t-1,3-Dichloropropene | | ND | | 0.11 | 1.00 | | |
| 1,1,1-Trichloroethane | | ND | | 0.14 | 1.00 | | |
| 1,1,2,2-Tetrachloroethane | | ND | | 0.17 | 1.00 | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | | ND | | 0.19 | 1.00 | | |
| 1,1,2-Trichloroethane | | ND | | 0.14 | 1.00 | | |
| 1,1-Dichloroethane | | ND | | 0.10 | 1.00 | | |
| 1,1-Dichloroethene | | ND | | 0.099 | 1.00 | | |
| 1,1-Difluoroethane | | ND | | 0.68 | 1.00 | | |
| 1,2,4-Trichlorobenzene | | ND | | 0.19 | 1.00 | | |
| 1,2,4-Trimethylbenzene | | ND | | 0.25 | 1.00 | | |
| 1,2-Dichlorobenzene | | ND | | 0.15 | 1.00 | | |
| 1,2-Dichloroethane | | ND | | 0.10 | 1.00 | | |
| 1,3,5-Trimethylbenzene | | ND | | 0.12 | 1.00 | | |
| 1,3-Dichlorobenzene | | ND | | 0.15 | 1.00 | | |
| 1,4-Dichlorobenzene | | ND | | 0.15 | 1.00 | | |
| 1,4-Dioxane | | ND | | 0.90 | 1.00 | | |
| 2-Butanone | | ND | | 1.5 | 1.00 | | |
| 4-Ethyltoluene | | ND | | 0.25 | 1.00 | | |
| Benzene | | ND | | 0.080 | 1.00 | | |
| Bromodichloromethane | | ND | | 0.17 | 1.00 | | |
| Carbon Disulfide | | ND | | 1.6 | 1.00 | | |
| Carbon Tetrachloride | | ND | | 0.063 | 1.00 | | |
| Chlorobenzene | | ND | | 0.12 | 1.00 | | |
| Chloroethane | | ND | | 0.066 | 1.00 | | |
| Chloroform | | ND | | 0.12 | 1.00 | | |
| Chloromethane | | ND | | 0.052 | 1.00 | | |
| Dibromochloromethane | | ND | | 0.21 | 1.00 | | |
| Dichlorodifluoromethane | | ND | | 0.12 | 1.00 | | |
| Ethylbenzene | | ND | | 0.11 | 1.00 | | |
| Hexachloro-1,3-Butadiene | | ND | | 0.27 | 1.00 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | ND | 0.087 | 1.00 | |
| Naphthalene | ND | 0.052 | 1.00 | |
| Tetrachloroethene | ND | 0.17 | 1.00 | |
| Toluene | ND | 0.19 | 1.00 | |
| Trichloroethene | ND | 0.13 | 1.00 | |
| Trichlorofluoromethane | ND | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | ND | 0.11 | 1.00 | |
| p/m-Xylene | ND | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | ND | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | ND | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 96 | 37-163 | | |
| 1,4-Bromofluorobenzene | 94 | 45-153 | | |
| Toluene-d8 | 94 | 73-121 | | |



Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-214-172 | N/A | Air | GC/MS DD | N/A | 03/07/15 17:58 | 150307L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | ND | 1.5 | 1.00 | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | |
| Benzene | ND | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | ND | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | ND | 0.12 | 1.00 | |
| Chloromethane | ND | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | ND | 0.12 | 1.00 | |
| Ethylbenzene | ND | 0.11 | 1.00 | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |

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

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/06/15
 Work Order: 15-03-0437
 Preparation: N/A
 Method: EPA TO-15 SIM
 Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | ND | 0.087 | 1.00 | |
| Naphthalene | ND | 0.052 | 1.00 | |
| Toluene | ND | 0.19 | 1.00 | |
| Trichloroethene | ND | 0.13 | 1.00 | |
| Trichlorofluoromethane | ND | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | ND | 0.11 | 1.00 | |
| p/m-Xylene | ND | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | ND | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | ND | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 94 | 37-163 | | |
| 1,4-Bromofluorobenzene | 92 | 45-153 | | |
| Toluene-d8 | 94 | 73-121 | | |


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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|-------------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC/MS K | N/A | 03/12/15 18:23 | G150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|--------------------------|---------------|-----------|-----------|-------------------|
| TPH as Gasoline (C6-C12) | ND | 1100 | 2.29 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 100 | 50-150 | |
| Toluene-d8 | 103 | 50-150 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|-------------------|
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC/MS K | N/A | 03/12/15 19:13 | G150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|--------------------------|---------------|-----------|-----------|-------------------|
| TPH as Gasoline (C6-C12) | ND | 1000 | 2.18 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 98 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|-------------------|
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC/MS K | N/A | 03/12/15 20:02 | G150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|--------------------------|---------------|-----------|-----------|-------------------|
| TPH as Gasoline (C6-C12) | ND | 630 | 1.35 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,2-Dichloroethane-d4 | 106 | 50-150 | |
| 1,4-Bromofluorobenzene | 98 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-----------------------|---------------------------|------------|-----------------------|---------------|---------------------------|-------------------|
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC/MS K | N/A | 03/12/15 20:52 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | ND | | 630 | | 1.35 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 106 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 96 | | 50-150 | | | |
| Toluene-d8 | | 105 | | 50-150 | | | |
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC/MS K | N/A | 03/12/15 21:41 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | 1300 | | 650 | | 1.40 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 105 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 98 | | 50-150 | | | |
| Toluene-d8 | | 104 | | 50-150 | | | |
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC/MS K | N/A | 03/12/15 22:31 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | ND | | 620 | | 1.34 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 105 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 100 | | 50-150 | | | |
| Toluene-d8 | | 106 | | 50-150 | | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC/MS K | N/A | 03/12/15 23:21 | G150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | ND | 950 | 2.03 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 97 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

| Method Blank | 099-16-014-83 | N/A | Air | GC/MS K | N/A | 03/12/15 17:21 | G150312L01 |
|--------------|---------------|-----|-----|---------|-----|-------------------|------------|
|--------------|---------------|-----|-----|---------|-----|-------------------|------------|

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | ND | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 99 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: SCAQMD 25.1M
Units: %v

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|-------------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC 65 | N/A | 03/06/15 12:14 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC 65 | N/A | 03/06/15 12:33 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC 65 | N/A | 03/06/15 12:53 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC 65 | N/A | 03/06/15 13:12 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC 65 | N/A | 03/06/15 13:51 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC 65 | N/A | 03/06/15 14:30 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC 65 | N/A | 03/06/15 14:49 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| Method Blank | 099-12-192-663 | N/A | Air | GC 65 | N/A | 03/06/15 10:52 | 150306L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | ND | | 0.50 | | 1.00 | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: SCAQMD 25.1M
Units: %

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|-------------------|
| SS-1R | 15-03-0437-1-A | 03/04/15 13:25 | Air | GC 14 | N/A | 03/06/15 18:38 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00014 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.12 | | 0.00010 | | 1.00 | |
| SS-1R DUP | 15-03-0437-2-A | 03/04/15 13:27 | Air | GC 14 | N/A | 03/06/15 18:56 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00013 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.12 | | 0.00010 | | 1.00 | |
| SS-2 | 15-03-0437-3-A | 03/04/15 14:18 | Air | GC 14 | N/A | 03/06/15 16:43 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00012 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.036 | | 0.00010 | | 1.00 | |
| SS-3 | 15-03-0437-4-A | 03/04/15 13:53 | Air | GC 14 | N/A | 03/06/15 17:02 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00017 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.035 | | 0.00010 | | 1.00 | |
| SS-4 | 15-03-0437-5-A | 03/04/15 12:55 | Air | GC 14 | N/A | 03/06/15 17:21 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00016 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.020 | | 0.00010 | | 1.00 | |
| SSV-1 | 15-03-0437-6-A | 03/04/15 14:55 | Air | GC 14 | N/A | 03/06/15 17:40 | 150306L02 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00015 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.0073 | | 0.00010 | | 1.00 | |

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



Calscience

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/06/15
 Work Order: 15-03-0437
 Preparation: N/A
 Method: SCAQMD 25.1M
 Units: %

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|-----------------------|------------|--------------|---------------|-----------------------|------------------|
| SSA-1 | 15-03-0437-7-A | 03/04/15 15:25 | Air | GC 14 | N/A | 03/06/15 17:59 | 150306L02 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Methane | 0.00016 | 0.00010 | 1.00 | |
| Carbon Dioxide | 0.0089 | 0.00010 | 1.00 | |

| | | | | | | | |
|---------------------|-----------------------|------------|------------|--------------|------------|-----------------------|------------------|
| Method Blank | 099-12-194-816 | N/A | Air | GC 14 | N/A | 03/06/15 10:13 | 150306L02 |
|---------------------|-----------------------|------------|------------|--------------|------------|-----------------------|------------------|

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Methane | ND | 0.00010 | 1.00 | |
| Carbon Dioxide | ND | 0.00010 | 1.00 | |

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



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: ASTM D-1946 (M)

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|------|--------|------------|---------------|----------------|-----------------------|
| 099-12-872-771 | LCS | Air | GC 55 | N/A | 03/06/15 09:28 | 150306L01 |
| 099-12-872-771 | LCSD | Air | GC 55 | N/A | 03/06/15 09:49 | 150306L01 |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|-----------|-------------|-----------|-----------|------------|------------|----------|-----|--------|------------|
| Helium | 1.000 | 0.8979 | 90 | 1.019 | 102 | 80-120 | 13 | 0-30 | |
| Hydrogen | 1.000 | 0.8414 | 84 | 0.9531 | 95 | 80-120 | 12 | 0-30 | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: ASTM D-1946 (M)

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|--|
| 099-12-872-773 | LCS | Air | GC 55 | N/A | 03/12/15 09:20 | 150312L01 | | | | |
| 099-12-872-773 | LCSD | Air | GC 55 | N/A | 03/12/15 09:40 | 150312L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers | |
| Helium | 1.000 | 0.8968 | 90 | 1.010 | 101 | 80-120 | 12 | 0-30 | | |
| Hydrogen | 1.000 | 0.8397 | 84 | 0.9441 | 94 | 80-120 | 12 | 0-30 | | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|----------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 095-01-021-15055 | LCS | Air | GC/MS K | N/A | 03/12/15 12:25 | 150312L01 | | | | |
| 095-01-021-15055 | LCSD | Air | GC/MS K | N/A | 03/12/15 13:15 | 150312L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| Acetone | 59.39 | 69.96 | 118 | 70.69 | 119 | 67-133 | 56-144 | 1 | 0-30 | |
| Benzene | 79.87 | 82.70 | 104 | 81.94 | 103 | 70-130 | 60-140 | 1 | 0-30 | |
| Benzyl Chloride | 129.4 | 113.8 | 88 | 105.6 | 82 | 38-158 | 18-178 | 7 | 0-30 | |
| Bromodichloromethane | 167.5 | 181.1 | 108 | 179.8 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| Bromoform | 258.4 | 312.9 | 121 | 305.9 | 118 | 63-147 | 49-161 | 2 | 0-30 | |
| Bromomethane | 97.08 | 113.4 | 117 | 113.9 | 117 | 70-139 | 58-150 | 0 | 0-30 | |
| 2-Butanone | 73.73 | 78.41 | 106 | 77.96 | 106 | 66-132 | 55-143 | 1 | 0-30 | |
| Carbon Disulfide | 77.85 | 99.32 | 128 | 98.97 | 127 | 68-146 | 55-159 | 0 | 0-30 | |
| Carbon Tetrachloride | 157.3 | 156.2 | 99 | 156.3 | 99 | 70-136 | 59-147 | 0 | 0-30 | |
| Chlorobenzene | 115.1 | 113.2 | 98 | 112.1 | 97 | 70-130 | 60-140 | 1 | 0-30 | |
| Chloroethane | 65.96 | 75.17 | 114 | 74.94 | 114 | 65-149 | 51-163 | 0 | 0-30 | |
| Chloroform | 122.1 | 127.1 | 104 | 126.6 | 104 | 70-130 | 60-140 | 0 | 0-30 | |
| Chloromethane | 51.63 | 60.78 | 118 | 60.70 | 118 | 69-141 | 57-153 | 0 | 0-30 | |
| Dibromochloromethane | 213.0 | 222.5 | 104 | 224.0 | 105 | 70-138 | 59-149 | 1 | 0-30 | |
| Dichlorodifluoromethane | 123.6 | 127.7 | 103 | 128.9 | 104 | 67-139 | 55-151 | 1 | 0-30 | |
| Diisopropyl Ether (DIPE) | 104.5 | 101.1 | 97 | 100.2 | 96 | 63-130 | 52-141 | 1 | 0-30 | |
| 1,1-Dichloroethane | 101.2 | 104.0 | 103 | 104.2 | 103 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,1-Dichloroethene | 99.12 | 121.6 | 123 | 120.4 | 121 | 70-135 | 59-146 | 1 | 0-30 | |
| 1,2-Dibromoethane | 192.1 | 197.3 | 103 | 198.1 | 103 | 70-133 | 60-144 | 0 | 0-30 | |
| Dichlorotetrafluoroethane | 174.8 | 158.2 | 91 | 158.9 | 91 | 51-135 | 37-149 | 0 | 0-30 | |
| 1,2-Dichlorobenzene | 150.3 | 135.2 | 90 | 125.3 | 83 | 48-138 | 33-153 | 8 | 0-30 | |
| 1,2-Dichloroethane | 101.2 | 103.9 | 103 | 103.5 | 102 | 70-132 | 60-142 | 0 | 0-30 | |
| 1,2-Dichloropropane | 115.5 | 120.0 | 104 | 118.2 | 102 | 70-130 | 60-140 | 1 | 0-30 | |
| 1,3-Dichlorobenzene | 150.3 | 154.1 | 103 | 145.9 | 97 | 56-134 | 43-147 | 5 | 0-30 | |
| 1,4-Dichlorobenzene | 150.3 | 151.0 | 100 | 141.6 | 94 | 52-136 | 38-150 | 6 | 0-30 | |
| c-1,3-Dichloropropene | 113.5 | 123.0 | 108 | 121.3 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| c-1,2-Dichloroethene | 99.12 | 97.08 | 98 | 96.34 | 97 | 70-130 | 60-140 | 1 | 0-30 | |
| t-1,2-Dichloroethene | 99.12 | 101.5 | 102 | 101.7 | 103 | 70-130 | 60-140 | 0 | 0-30 | |
| t-1,3-Dichloropropene | 113.5 | 132.6 | 117 | 130.2 | 115 | 70-147 | 57-160 | 2 | 0-30 | |
| Ethanol | 188.4 | 211.8 | 112 | 210.8 | 112 | 37-139 | 20-156 | 0 | 0-30 | |
| Ethyl-t-Butyl Ether (ETBE) | 104.5 | 98.36 | 94 | 98.90 | 95 | 67-130 | 56-140 | 1 | 0-30 | |
| Ethylbenzene | 108.6 | 107.8 | 99 | 106.4 | 98 | 70-130 | 60-140 | 1 | 0-30 | |
| 4-Ethyltoluene | 122.9 | 126.7 | 103 | 122.7 | 100 | 68-130 | 58-140 | 3 | 0-30 | |
| Hexachloro-1,3-Butadiene | 266.6 | 211.8 | 79 | 221.1 | 83 | 44-146 | 27-163 | 4 | 0-30 | |
| 2-Hexanone | 102.4 | 105.9 | 103 | 106.1 | 104 | 70-136 | 59-147 | 0 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|---------------------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Methyl-t-Butyl Ether (MTBE) | 90.13 | 89.57 | 99 | 89.09 | 99 | 68-130 | 58-140 | 1 | 0-30 | |
| Methylene Chloride | 86.84 | 103.4 | 119 | 103.9 | 120 | 69-130 | 59-140 | 0 | 0-30 | |
| 4-Methyl-2-Pentanone | 102.4 | 111.4 | 109 | 108.5 | 106 | 70-130 | 60-140 | 3 | 0-30 | |
| Naphthalene | 131.1 | 86.74 | 66 | 86.71 | 66 | 24-144 | 4-164 | 0 | 0-30 | |
| o-Xylene | 108.6 | 109.0 | 100 | 106.8 | 98 | 69-130 | 59-140 | 2 | 0-30 | |
| p/m-Xylene | 217.1 | 226.5 | 104 | 225.3 | 104 | 70-132 | 60-142 | 1 | 0-30 | |
| Styrene | 106.5 | 105.3 | 99 | 102.1 | 96 | 65-131 | 54-142 | 3 | 0-30 | |
| Tert-Amyl-Methyl Ether (TAME) | 104.5 | 97.44 | 93 | 97.82 | 94 | 69-130 | 59-140 | 0 | 0-30 | |
| Tert-Butyl Alcohol (TBA) | 151.6 | 168.5 | 111 | 169.0 | 112 | 66-144 | 53-157 | 0 | 0-30 | |
| Tetrachloroethene | 169.6 | 178.3 | 105 | 179.7 | 106 | 70-130 | 60-140 | 1 | 0-30 | |
| Toluene | 94.21 | 93.56 | 99 | 94.14 | 100 | 70-130 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 134.3 | 145.5 | 108 | 144.4 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| Trichlorofluoromethane | 140.5 | 156.9 | 112 | 156.5 | 111 | 63-141 | 50-154 | 0 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 191.6 | 234.2 | 122 | 233.8 | 122 | 70-136 | 59-147 | 0 | 0-30 | |
| 1,1,1-Trichloroethane | 136.4 | 129.5 | 95 | 129.0 | 95 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,1,2-Trichloroethane | 136.4 | 145.1 | 106 | 141.8 | 104 | 70-130 | 60-140 | 2 | 0-30 | |
| 1,3,5-Trimethylbenzene | 122.9 | 121.1 | 99 | 115.1 | 94 | 62-130 | 51-141 | 5 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 171.6 | 171.9 | 100 | 168.1 | 98 | 63-130 | 52-141 | 2 | 0-30 | |
| 1,2,4-Trimethylbenzene | 122.9 | 126.6 | 103 | 121.0 | 98 | 60-132 | 48-144 | 5 | 0-30 | |
| 1,2,4-Trichlorobenzene | 185.5 | 131.8 | 71 | 133.1 | 72 | 31-151 | 11-171 | 1 | 0-30 | |
| Vinyl Acetate | 88.03 | 57.90 | 66 | 57.63 | 65 | 58-130 | 46-142 | 0 | 0-30 | |
| Vinyl Chloride | 63.91 | 72.49 | 113 | 72.79 | 114 | 70-134 | 59-145 | 0 | 0-30 | |

Total number of LCS compounds: 57

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 5 of 13

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|----------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 095-01-021-15063 | LCS | Air | GC/MS AA | N/A | 03/13/15 11:41 | 150313L03 | | | | |
| 095-01-021-15063 | LCSD | Air | GC/MS AA | N/A | 03/13/15 12:28 | 150313L03 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| Acetone | 59.39 | 53.25 | 90 | 53.16 | 90 | 67-133 | 56-144 | 0 | 0-30 | |
| Benzene | 79.87 | 74.39 | 93 | 75.50 | 95 | 70-130 | 60-140 | 1 | 0-30 | |
| Benzyl Chloride | 129.4 | 144.9 | 112 | 138.9 | 107 | 38-158 | 18-178 | 4 | 0-30 | |
| Bromodichloromethane | 167.5 | 161.3 | 96 | 158.9 | 95 | 70-130 | 60-140 | 1 | 0-30 | |
| Bromoform | 258.4 | 239.1 | 93 | 231.0 | 89 | 63-147 | 49-161 | 3 | 0-30 | |
| Bromomethane | 97.08 | 89.04 | 92 | 86.92 | 90 | 70-139 | 58-150 | 2 | 0-30 | |
| 2-Butanone | 73.73 | 66.83 | 91 | 68.21 | 93 | 66-132 | 55-143 | 2 | 0-30 | |
| Carbon Disulfide | 77.85 | 75.12 | 96 | 75.15 | 97 | 68-146 | 55-159 | 0 | 0-30 | |
| Carbon Tetrachloride | 157.3 | 150.2 | 95 | 146.0 | 93 | 70-136 | 59-147 | 3 | 0-30 | |
| Chlorobenzene | 115.1 | 103.4 | 90 | 102.8 | 89 | 70-130 | 60-140 | 1 | 0-30 | |
| Chloroethane | 65.96 | 56.94 | 86 | 56.90 | 86 | 65-149 | 51-163 | 0 | 0-30 | |
| Chloroform | 122.1 | 112.7 | 92 | 110.4 | 90 | 70-130 | 60-140 | 2 | 0-30 | |
| Chloromethane | 51.63 | 46.43 | 90 | 46.76 | 91 | 69-141 | 57-153 | 1 | 0-30 | |
| Dibromochloromethane | 213.0 | 199.1 | 93 | 193.9 | 91 | 70-138 | 59-149 | 3 | 0-30 | |
| Dichlorodifluoromethane | 123.6 | 113.3 | 92 | 108.2 | 88 | 67-139 | 55-151 | 5 | 0-30 | |
| Diisopropyl Ether (DIPE) | 104.5 | 89.31 | 85 | 90.31 | 86 | 63-130 | 52-141 | 1 | 0-30 | |
| 1,1-Dichloroethane | 101.2 | 89.48 | 88 | 89.87 | 89 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,1-Dichloroethene | 99.12 | 94.90 | 96 | 93.11 | 94 | 70-135 | 59-146 | 2 | 0-30 | |
| 1,2-Dibromoethane | 192.1 | 180.7 | 94 | 178.7 | 93 | 70-133 | 60-144 | 1 | 0-30 | |
| Dichlorotetrafluoroethane | 174.8 | 130.5 | 75 | 126.4 | 72 | 51-135 | 37-149 | 3 | 0-30 | |
| 1,2-Dichlorobenzene | 150.3 | 143.6 | 96 | 138.9 | 92 | 48-138 | 33-153 | 3 | 0-30 | |
| 1,2-Dichloroethane | 101.2 | 92.28 | 91 | 92.45 | 91 | 70-132 | 60-142 | 0 | 0-30 | |
| 1,2-Dichloropropane | 115.5 | 105.4 | 91 | 106.0 | 92 | 70-130 | 60-140 | 1 | 0-30 | |
| 1,3-Dichlorobenzene | 150.3 | 142.0 | 94 | 137.5 | 91 | 56-134 | 43-147 | 3 | 0-30 | |
| 1,4-Dichlorobenzene | 150.3 | 143.6 | 96 | 140.3 | 93 | 52-136 | 38-150 | 2 | 0-30 | |
| c-1,3-Dichloropropene | 113.5 | 113.9 | 100 | 114.8 | 101 | 70-130 | 60-140 | 1 | 0-30 | |
| c-1,2-Dichloroethene | 99.12 | 86.98 | 88 | 88.40 | 89 | 70-130 | 60-140 | 2 | 0-30 | |
| t-1,2-Dichloroethene | 99.12 | 83.67 | 84 | 84.90 | 86 | 70-130 | 60-140 | 1 | 0-30 | |
| t-1,3-Dichloropropene | 113.5 | 126.5 | 111 | 124.9 | 110 | 70-147 | 57-160 | 1 | 0-30 | |
| Ethanol | 188.4 | 155.9 | 83 | 164.0 | 87 | 37-139 | 20-156 | 5 | 0-30 | |
| Ethyl-t-Butyl Ether (ETBE) | 104.5 | 81.77 | 78 | 83.21 | 80 | 67-130 | 56-140 | 2 | 0-30 | |
| Ethylbenzene | 108.6 | 99.15 | 91 | 97.74 | 90 | 70-130 | 60-140 | 1 | 0-30 | |
| 4-Ethyltoluene | 122.9 | 118.0 | 96 | 115.5 | 94 | 68-130 | 58-140 | 2 | 0-30 | |
| Hexachloro-1,3-Butadiene | 266.6 | 205.5 | 77 | 202.5 | 76 | 44-146 | 27-163 | 1 | 0-30 | |
| 2-Hexanone | 102.4 | 96.91 | 95 | 97.88 | 96 | 70-136 | 59-147 | 1 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|---------------------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Methyl-t-Butyl Ether (MTBE) | 90.13 | 74.96 | 83 | 76.25 | 85 | 68-130 | 58-140 | 2 | 0-30 | |
| Methylene Chloride | 86.84 | 78.41 | 90 | 77.09 | 89 | 69-130 | 59-140 | 2 | 0-30 | |
| 4-Methyl-2-Pentanone | 102.4 | 97.34 | 95 | 99.08 | 97 | 70-130 | 60-140 | 2 | 0-30 | |
| Naphthalene | 131.1 | 118.7 | 91 | 118.5 | 90 | 24-144 | 4-164 | 0 | 0-30 | |
| o-Xylene | 108.6 | 99.81 | 92 | 96.25 | 89 | 69-130 | 59-140 | 4 | 0-30 | |
| p/m-Xylene | 217.1 | 199.9 | 92 | 195.3 | 90 | 70-132 | 60-142 | 2 | 0-30 | |
| Styrene | 106.5 | 97.22 | 91 | 96.78 | 91 | 65-131 | 54-142 | 0 | 0-30 | |
| Tert-Amyl-Methyl Ether (TAME) | 104.5 | 81.69 | 78 | 82.47 | 79 | 69-130 | 59-140 | 1 | 0-30 | |
| Tert-Butyl Alcohol (TBA) | 151.6 | 115.0 | 76 | 125.0 | 82 | 66-144 | 53-157 | 8 | 0-30 | |
| Tetrachloroethene | 169.6 | 148.5 | 88 | 148.2 | 87 | 70-130 | 60-140 | 0 | 0-30 | |
| Toluene | 94.21 | 86.70 | 92 | 86.74 | 92 | 70-130 | 60-140 | 0 | 0-30 | |
| Trichloroethene | 134.3 | 118.7 | 88 | 118.8 | 88 | 70-130 | 60-140 | 0 | 0-30 | |
| Trichlorofluoromethane | 140.5 | 114.2 | 81 | 110.4 | 79 | 63-141 | 50-154 | 3 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 191.6 | 180.6 | 94 | 178.1 | 93 | 70-136 | 59-147 | 1 | 0-30 | |
| 1,1,1-Trichloroethane | 136.4 | 120.1 | 88 | 118.2 | 87 | 70-130 | 60-140 | 2 | 0-30 | |
| 1,1,2-Trichloroethane | 136.4 | 130.2 | 95 | 130.7 | 96 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,3,5-Trimethylbenzene | 122.9 | 115.5 | 94 | 112.1 | 91 | 62-130 | 51-141 | 3 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 171.6 | 161.9 | 94 | 157.8 | 92 | 63-130 | 52-141 | 3 | 0-30 | |
| 1,2,4-Trimethylbenzene | 122.9 | 117.3 | 95 | 112.6 | 92 | 60-132 | 48-144 | 4 | 0-30 | |
| 1,2,4-Trichlorobenzene | 185.5 | 162.3 | 87 | 163.2 | 88 | 31-151 | 11-171 | 1 | 0-30 | |
| Vinyl Acetate | 88.03 | 75.34 | 86 | 76.54 | 87 | 58-130 | 46-142 | 2 | 0-30 | |
| Vinyl Chloride | 63.91 | 57.26 | 90 | 57.44 | 90 | 70-134 | 59-145 | 0 | 0-30 | |

Total number of LCS compounds: 57

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-15-214-164 | LCS | Air | GC/MS DD | N/A | 03/06/15 16:33 | 150306L01 | | | | |
| 099-15-214-164 | LCSD | Air | GC/MS DD | N/A | 03/06/15 17:25 | 150306L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| 1,2-Dibromoethane | 3.842 | 3.472 | 90 | 3.645 | 95 | 50-150 | 33-167 | 5 | 0-30 | |
| Dichlorotetrafluoroethane | 3.495 | 2.776 | 79 | 3.048 | 87 | 50-150 | 33-167 | 9 | 0-30 | |
| 1,2-Dichloropropane | 2.311 | 2.182 | 94 | 2.071 | 90 | 50-150 | 33-167 | 5 | 0-30 | |
| Bromomethane | 1.942 | 1.557 | 80 | 1.634 | 84 | 50-150 | 33-167 | 5 | 0-30 | |
| c-1,3-Dichloropropene | 2.269 | 2.196 | 97 | 2.120 | 93 | 50-150 | 33-167 | 4 | 0-30 | |
| t-1,3-Dichloropropene | 2.269 | 2.442 | 108 | 2.327 | 103 | 50-150 | 33-167 | 5 | 0-30 | |
| 1,1,1-Trichloroethane | 2.728 | 2.551 | 94 | 2.442 | 90 | 50-150 | 33-167 | 4 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 3.433 | 3.025 | 88 | 3.105 | 90 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 3.832 | 3.306 | 86 | 3.365 | 88 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,1,2-Trichloroethane | 2.728 | 2.570 | 94 | 2.482 | 91 | 27-171 | 3-195 | 3 | 0-38 | |
| 1,1-Dichloroethane | 2.024 | 1.753 | 87 | 1.799 | 89 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,1-Dichloroethene | 1.982 | 1.755 | 89 | 1.794 | 90 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,1-Difluoroethane | 1.351 | 1.274 | 94 | 1.306 | 97 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,2,4-Trichlorobenzene | 3.711 | 2.923 | 79 | 2.921 | 79 | 50-150 | 33-167 | 0 | 0-30 | |
| 1,2,4-Trimethylbenzene | 2.458 | 1.967 | 80 | 1.977 | 80 | 50-150 | 33-167 | 0 | 0-30 | |
| 1,2-Dichlorobenzene | 3.006 | 2.607 | 87 | 2.629 | 87 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,2-Dichloroethane | 2.024 | 1.681 | 83 | 1.786 | 88 | 28-166 | 5-189 | 6 | 0-40 | |
| 1,3,5-Trimethylbenzene | 2.458 | 2.185 | 89 | 2.172 | 88 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,3-Dichlorobenzene | 3.006 | 2.598 | 86 | 2.625 | 87 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,4-Dichlorobenzene | 3.006 | 2.639 | 88 | 2.607 | 87 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,4-Dioxane | 1.802 | 1.745 | 97 | 1.604 | 89 | 60-140 | 47-153 | 8 | 0-30 | |
| 4-Ethyltoluene | 2.458 | 2.042 | 83 | 2.014 | 82 | 50-150 | 33-167 | 1 | 0-30 | |
| Benzene | 1.597 | 1.467 | 92 | 1.392 | 87 | 27-153 | 6-174 | 5 | 0-34 | |
| Bromodichloromethane | 3.350 | 3.116 | 93 | 3.010 | 90 | 50-150 | 33-167 | 3 | 0-30 | |
| Carbon Tetrachloride | 3.146 | 2.832 | 90 | 2.732 | 87 | 7-187 | 0-217 | 4 | 0-31 | |
| Chlorobenzene | 2.302 | 2.050 | 89 | 2.120 | 92 | 50-150 | 33-167 | 3 | 0-30 | |
| Chloroethane | 1.319 | 1.144 | 87 | 1.190 | 90 | 50-150 | 33-167 | 4 | 0-30 | |
| Chloroform | 2.441 | 2.057 | 84 | 2.136 | 87 | 50-150 | 33-167 | 4 | 0-30 | |
| Chloromethane | 1.033 | 0.9522 | 92 | 0.9904 | 96 | 50-150 | 33-167 | 4 | 0-30 | |
| Dibromochloromethane | 4.259 | 3.972 | 93 | 4.164 | 98 | 50-150 | 33-167 | 5 | 0-30 | |
| Dichlorodifluoromethane | 2.473 | 2.166 | 88 | 2.218 | 90 | 50-150 | 33-167 | 2 | 0-30 | |
| Ethylbenzene | 2.171 | 2.014 | 93 | 2.026 | 93 | 27-153 | 6-174 | 1 | 0-46 | |
| Hexachloro-1,3-Butadiene | 5.333 | 4.090 | 77 | 4.039 | 76 | 50-150 | 33-167 | 1 | 0-30 | |
| Methyl-t-Butyl Ether (MTBE) | 1.803 | 1.450 | 80 | 1.515 | 84 | 50-150 | 33-167 | 4 | 0-30 | |
| Methylene Chloride | 1.737 | 1.451 | 84 | 1.495 | 86 | 50-150 | 33-167 | 3 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Naphthalene | 2.621 | 2.033 | 78 | 1.996 | 76 | 50-150 | 33-167 | 2 | 0-30 | |
| Tetrachloroethene | 3.391 | 3.039 | 90 | 3.076 | 91 | 34-154 | 14-174 | 1 | 0-33 | |
| Toluene | 1.884 | 1.673 | 89 | 1.754 | 93 | 28-154 | 7-175 | 5 | 0-42 | |
| Trichloroethene | 2.687 | 2.498 | 93 | 2.394 | 89 | 43-139 | 27-155 | 4 | 0-31 | |
| Trichlorofluoromethane | 2.809 | 2.357 | 84 | 2.442 | 87 | 50-150 | 33-167 | 4 | 0-30 | |
| Vinyl Chloride | 1.278 | 1.110 | 87 | 1.154 | 90 | 44-140 | 28-156 | 4 | 0-33 | |
| c-1,2-Dichloroethene | 1.982 | 1.702 | 86 | 1.777 | 90 | 35-165 | 13-187 | 4 | 0-35 | |
| o-Xylene | 2.171 | 1.993 | 92 | 2.033 | 94 | 22-160 | 0-183 | 2 | 0-48 | |
| p/m-Xylene | 4.342 | 4.018 | 93 | 4.088 | 94 | 21-165 | 0-189 | 2 | 0-51 | |
| t-1,2-Dichloroethene | 1.982 | 1.695 | 86 | 1.743 | 88 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,2,3-Trichlorobenzene | 3.711 | 2.993 | 81 | 3.003 | 81 | 50-150 | 33-167 | 0 | 0-30 | |
| 1,2,3-Trichloropropane | 3.015 | 2.762 | 92 | 2.827 | 94 | 50-150 | 33-167 | 2 | 0-30 | |
| Styrene | 2.130 | 1.969 | 92 | 1.922 | 90 | 50-150 | 33-167 | 2 | 0-30 | |

Total number of LCS compounds: 48

Total number of ME compounds: 0

Total number of ME compounds allowed: 2

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-15-214-172 | LCS | Air | GC/MS DD | N/A | 03/07/15 15:12 | 150307L01 | | | | |
| 099-15-214-172 | LCSD | Air | GC/MS DD | N/A | 03/07/15 16:06 | 150307L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| 1,2-Dibromoethane | 3.842 | 3.678 | 96 | 3.672 | 96 | 50-150 | 33-167 | 0 | 0-30 | |
| Dichlorotetrafluoroethane | 3.495 | 2.652 | 76 | 2.563 | 73 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,2-Dichloropropane | 2.311 | 2.177 | 94 | 2.117 | 92 | 50-150 | 33-167 | 3 | 0-30 | |
| Bromomethane | 1.942 | 1.952 | 101 | 1.761 | 91 | 50-150 | 33-167 | 10 | 0-30 | |
| c-1,3-Dichloropropene | 2.269 | 2.513 | 111 | 2.162 | 95 | 50-150 | 33-167 | 15 | 0-30 | |
| t-1,3-Dichloropropene | 2.269 | 3.050 | 134 | 2.533 | 112 | 50-150 | 33-167 | 18 | 0-30 | |
| 1,1,1-Trichloroethane | 2.728 | 2.412 | 88 | 2.426 | 89 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 3.433 | 3.133 | 91 | 3.112 | 91 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 3.832 | 3.804 | 99 | 3.737 | 98 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,1,2-Trichloroethane | 2.728 | 2.724 | 100 | 2.526 | 93 | 27-171 | 3-195 | 8 | 0-38 | |
| 1,1-Dichloroethane | 2.024 | 1.896 | 94 | 1.918 | 95 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,1-Dichloroethene | 1.982 | 2.067 | 104 | 2.041 | 103 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,1-Difluoroethane | 1.351 | 1.574 | 117 | 1.485 | 110 | 50-150 | 33-167 | 6 | 0-30 | |
| 1,2,4-Trichlorobenzene | 3.711 | 2.845 | 77 | 2.957 | 80 | 50-150 | 33-167 | 4 | 0-30 | |
| 1,2,4-Trimethylbenzene | 2.458 | 2.064 | 84 | 2.087 | 85 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,2-Dichlorobenzene | 3.006 | 2.677 | 89 | 2.746 | 91 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,2-Dichloroethane | 2.024 | 1.869 | 92 | 1.847 | 91 | 28-166 | 5-189 | 1 | 0-40 | |
| 1,3,5-Trimethylbenzene | 2.458 | 2.318 | 94 | 2.292 | 93 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,3-Dichlorobenzene | 3.006 | 2.697 | 90 | 2.770 | 92 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,4-Dichlorobenzene | 3.006 | 2.738 | 91 | 2.774 | 92 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,4-Dioxane | 1.802 | 1.393 | 77 | 1.355 | 75 | 60-140 | 47-153 | 3 | 0-30 | |
| 4-Ethyltoluene | 2.458 | 2.169 | 88 | 2.108 | 86 | 50-150 | 33-167 | 3 | 0-30 | |
| Benzene | 1.597 | 1.523 | 95 | 1.478 | 92 | 27-153 | 6-174 | 3 | 0-34 | |
| Bromodichloromethane | 3.350 | 3.188 | 95 | 3.110 | 93 | 50-150 | 33-167 | 2 | 0-30 | |
| Carbon Tetrachloride | 3.146 | 2.819 | 90 | 2.791 | 89 | 7-187 | 0-217 | 1 | 0-31 | |
| Chlorobenzene | 2.302 | 2.155 | 94 | 2.194 | 95 | 50-150 | 33-167 | 2 | 0-30 | |
| Chloroethane | 1.319 | 1.272 | 96 | 1.197 | 91 | 50-150 | 33-167 | 6 | 0-30 | |
| Chloroform | 2.441 | 2.209 | 90 | 2.332 | 96 | 50-150 | 33-167 | 5 | 0-30 | |
| Chloromethane | 1.033 | 1.122 | 109 | 1.054 | 102 | 50-150 | 33-167 | 6 | 0-30 | |
| Dibromochloromethane | 4.259 | 4.118 | 97 | 4.208 | 99 | 50-150 | 33-167 | 2 | 0-30 | |
| Dichlorodifluoromethane | 2.473 | 2.161 | 87 | 2.338 | 95 | 50-150 | 33-167 | 8 | 0-30 | |
| Ethylbenzene | 2.171 | 2.143 | 99 | 2.092 | 96 | 27-153 | 6-174 | 2 | 0-46 | |
| Hexachloro-1,3-Butadiene | 5.333 | 4.111 | 77 | 4.313 | 81 | 50-150 | 33-167 | 5 | 0-30 | |
| Methyl-t-Butyl Ether (MTBE) | 1.803 | 1.643 | 91 | 1.646 | 91 | 50-150 | 33-167 | 0 | 0-30 | |
| Methylene Chloride | 1.737 | 1.667 | 96 | 1.638 | 94 | 50-150 | 33-167 | 2 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Naphthalene | 2.621 | 1.840 | 70 | 1.848 | 71 | 50-150 | 33-167 | 0 | 0-30 | |
| Tetrachloroethene | 3.391 | 3.108 | 92 | 3.209 | 95 | 34-154 | 14-174 | 3 | 0-33 | |
| Toluene | 1.884 | 1.861 | 99 | 1.840 | 98 | 28-154 | 7-175 | 1 | 0-42 | |
| Trichloroethene | 2.687 | 2.489 | 93 | 2.497 | 93 | 43-139 | 27-155 | 0 | 0-31 | |
| Trichlorofluoromethane | 2.809 | 2.477 | 88 | 2.482 | 88 | 50-150 | 33-167 | 0 | 0-30 | |
| Vinyl Chloride | 1.278 | 1.242 | 97 | 1.186 | 93 | 44-140 | 28-156 | 5 | 0-33 | |
| c-1,2-Dichloroethene | 1.982 | 1.888 | 95 | 1.843 | 93 | 35-165 | 13-187 | 2 | 0-35 | |
| o-Xylene | 2.171 | 2.107 | 97 | 2.065 | 95 | 22-160 | 0-183 | 2 | 0-48 | |
| p/m-Xylene | 4.342 | 4.265 | 98 | 4.181 | 96 | 21-165 | 0-189 | 2 | 0-51 | |
| t-1,2-Dichloroethene | 1.982 | 1.819 | 92 | 1.789 | 90 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,2,3-Trichlorobenzene | 3.711 | 2.999 | 81 | 3.078 | 83 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,2,3-Trichloropropane | 3.015 | 2.931 | 97 | 2.897 | 96 | 50-150 | 33-167 | 1 | 0-30 | |
| Styrene | 2.130 | 2.142 | 101 | 2.007 | 94 | 50-150 | 33-167 | 6 | 0-30 | |

Total number of LCS compounds: 48

Total number of ME compounds: 0

Total number of ME compounds allowed: 2

LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-014-83 | LCS | Air | GC/MS K | N/A | 03/12/15 14:05 | G150312L01 | | | |
| 099-16-014-83 | LCSD | Air | GC/MS K | N/A | 03/12/15 14:55 | G150312L01 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| TPH as Gasoline (C6-C12) | 4663 | 3995 | 86 | 3968 | 85 | 50-150 | 1 | 0-30 | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: SCAQMD 25.1M

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|--|
| 099-12-192-663 | LCS | Air | GC 65 | N/A | 03/06/15 10:15 | 150306L01 | | | | |
| 099-12-192-663 | LCSD | Air | GC 65 | N/A | 03/06/15 10:33 | 150306L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers | |
| Oxygen (+ Argon) | 4.010 | 4.160 | 104 | 4.122 | 103 | 80-120 | 1 | 0-20 | | |
| Nitrogen | 69.50 | 69.63 | 100 | 69.18 | 100 | 80-120 | 1 | 0-20 | | |
| Methane | 4.500 | 4.351 | 97 | 4.326 | 96 | 80-120 | 1 | 0-20 | | |
| Carbon Monoxide | 6.990 | 6.719 | 96 | 6.674 | 95 | 80-120 | 1 | 0-20 | | |
| Carbon Dioxide | 15.00 | 14.80 | 99 | 14.77 | 98 | 80-120 | 0 | 0-20 | | |

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RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/06/15
Work Order: 15-03-0437
Preparation: N/A
Method: SCAQMD 25.1M

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|--|
| 099-12-194-816 | LCS | Air | GC 14 | N/A | 03/06/15 09:30 | 150306L02 | | | | |
| 099-12-194-816 | LCSD | Air | GC 14 | N/A | 03/06/15 09:51 | 150306L02 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers | |
| Methane | 0.01000 | 0.009259 | 93 | 0.009787 | 98 | 80-120 | 6 | 0-20 | | |
| Carbon Dioxide | 0.01040 | 0.009161 | 88 | 0.009813 | 94 | 80-120 | 7 | 0-20 | | |
| Carbon Monoxide | 0.01010 | 0.008674 | 86 | 0.009175 | 91 | 80-120 | 6 | 0-20 | | |
| TGNMO | 0.03000 | 0.02795 | 93 | 0.02980 | 99 | 80-120 | 6 | 0-20 | | |

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RPD: Relative Percent Difference. CL: Control Limits

Summa Canister Vacuum Summary

Work Order: 15-03-0437

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| Sample Name | Vacuum Out | Vacuum In | Equipment | Description |
|-------------|--------------|-------------|-----------|-------------------|
| SS-1R | -29.60 in Hg | -4.60 in Hg | LC832 | Summa Canister 1L |
| SS-1R DUP | -29.60 in Hg | -6.30 in Hg | LC635 | Summa Canister 1L |
| SS-2 | -29.60 in Hg | -6.00 in Hg | LC034 | Summa Canister 1L |
| SS-3 | -29.60 in Hg | -4.40 in Hg | LC1003 | Summa Canister 1L |
| SS-4 | -29.60 in Hg | -5.90 in Hg | LC987 | Summa Canister 1L |
| SSV-1 | -29.60 in Hg | -4.20 in Hg | LC937 | Summa Canister 1L |
| SSA-1 | -29.60 in Hg | -7.40 in Hg | LC135 | Summa Canister 1L |
| TRIP BLANK | 11.00 psi | 12.70 psi | LC889 | Summa Canister 1L |

Sample Analysis Summary Report

Work Order: 15-03-0437

Page 1 of 1

| <u>Method</u> | <u>Extraction</u> | <u>Chemist ID</u> | <u>Instrument</u> | <u>Analytical Location</u> |
|--------------------------|-------------------|-------------------|-------------------|----------------------------|
| ASTM D-1946 (M) | N/A | 929 | GC 55 | 2 |
| ASTM D-1946 (M) | N/A | 982 | GC 55 | 2 |
| EPA TO-15 | N/A | 888 | GC/MS AA | 2 |
| EPA TO-15 | N/A | 953 | GC/MS K | 2 |
| EPA TO-15 SIM | N/A | 460 | GC/MS DD | 2 |
| GC/MS C6-C12 AS GASOLINE | N/A | 953 | GC/MS K | 2 |
| SCAQMD 25.1M | N/A | 834 | GC 14 | 2 |
| SCAQMD 25.1M | N/A | 834 | GC 65 | 2 |
| SCAQMD 25.1M | N/A | 929 | GC 14 | 2 |
| SCAQMD 25.1M | N/A | 929 | GC 65 | 2 |
| SCAQMD 25.1M | N/A | 982 | GC 65 | 2 |

Glossary of Terms and Qualifiers

Work Order: 15-03-0437

Page 1 of 1

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

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

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



800-322-5555 www.gso.com

15-03-0437

Ship From
CAL SCIENCE- CONCORD
ALAN KEMP
5063 COMMERCIAL CIRCLE
#H
CONCORD, CA 94520

Tracking #: 527153384

NPS



Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

ORC
GARDEN GROVE

A

COD: \$0.00
Weight: 0 lb(s)
Reference:
CARDNO ERI
Delivery Instructions:

D92845A



34934296

Signature Type: REQUIRED

Print Date: 3/5/2015 2:55 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer. Securely attach this label to your package, do not cover the barcode.

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Calscience

WORK ORDER #: 15-03-0437

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ATC

DATE: 03/06/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature _____ °C + 0.2°C (CF) = _____ °C Blank Sample

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

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

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

Ambient Temperature: Air Filter

Checked by: 3W

CUSTODY SEALS INTACT:

Box _____ No (Not Intact) Not Present N/A Checked by: 3W

Sample _____ No (Not Intact) Not Present Checked by: 3W

SAMPLE CONDITION:

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

CONTAINER TYPE:

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

Aqueous: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

250PB 250PB_n 125PB 125PB_{z_{na}} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Canister **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** 3W

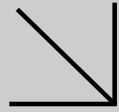
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 3W

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{na}: ZnAc₂+NaOH f: Filtered **Scanned by:** 3W

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Calscience



WORK ORDER NUMBER: 15-03-0588

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: 580 Market Place Shopping Center /
Cardno ATC Project #075.75354.0002

Attention: Gabe Stivala
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Amanda Porter

Approved for release on 03/16/2015 by:
Amanda Porter
Project Manager

ResultLink ▶

Email your PM ▶



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



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Client Project Name: 580 Market Place Shopping Center / Cardno ATC Project #075.75354.0002
Work Order Number: 15-03-0588

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/07/15. They were assigned to Work Order 15-03-0588.

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

Holding Times:

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

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

Quality Control:

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

Subcontractor Information:

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

Additional Comments:

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

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 16

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA1 | 15-03-0588-1-A | 03/05/15 13:50 | Air | GC/MS K | N/A | 03/13/15 00:15 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 25 | 4.8 | 1.00 | | | |
| Benzene | | 1.8 | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.6 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethanol | | 220 | 9.4 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 5.1 | 1.9 | 1.00 | |
| Trichloroethene | 3.0 | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 99 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | | |
| Toluene-d8 | 101 | 70-130 | | |



 Return to Contents

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA1 Dup | 15-03-0588-2-A | 03/05/15 13:50 | Air | GC/MS K | N/A | 03/13/15 01:07 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 25 | 4.8 | 1.00 | | | |
| Benzene | | ND | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.6 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethanol | | 240 | 9.4 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 3.8 | 1.9 | 1.00 | |
| Trichloroethene | 3.5 | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 100 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 105 | 67-133 | | |
| Toluene-d8 | 98 | 70-130 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA2 | 15-03-0588-3-A | 03/05/15 14:20 | Air | GC/MS K | N/A | 03/13/15 01:56 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 25 | 4.8 | 1.00 | | | |
| Benzene | | ND | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.6 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethanol | | 230 | 9.4 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 3.3 | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 99 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 105 | 67-133 | | |
| Toluene-d8 | 100 | 70-130 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC/MS K | N/A | 03/13/15 02:45 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 29 | 4.8 | 1.00 | | | |
| Benzene | | ND | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.6 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |
| Methyl-t-Butyl Ether (MTBE) | | ND | 7.2 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 5.0 | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 98 | 68-134 | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | |
| Toluene-d8 | 101 | 70-130 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC/MS K | N/A | 03/13/15 07:18 | 150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Ethanol | 1100 | 38 | 4.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 97 | 68-134 | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | |
| Toluene-d8 | 103 | 70-130 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC/MS K | N/A | 03/13/15 03:37 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 29 | 4.8 | 1.00 | | | |
| Benzene | | 2.0 | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.7 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.8 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |
| Methyl-t-Butyl Ether (MTBE) | | ND | 7.2 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 3.7 | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 95 | 68-134 | |
| 1,2-Dichloroethane-d4 | 108 | 67-133 | |
| Toluene-d8 | 100 | 70-130 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|----------------|---------------|---------------------------|------------------|
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC/MS K | N/A | 03/13/15 08:04 | 150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Ethanol | 1500 | 47 | 5.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 98 | 68-134 | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | |
| Toluene-d8 | 102 | 70-130 | |

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



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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|-----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC/MS K | N/A | 03/13/15 04:30 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 43 | 4.8 | 1.00 | | | |
| Benzene | | 2.0 | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.9 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |
| Methyl-t-Butyl Ether (MTBE) | | ND | 7.2 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|---------------|-----------|-----------|-------------------|
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | 5.2 | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 98 | 68-134 | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | |
| Toluene-d8 | 101 | 70-130 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC/MS K | N/A | 03/13/15 08:51 | 150312L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Ethanol | 4600 | 94 | 10.0 | |

| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> |
|------------------------|-----------------|-----------------------|-------------------|
| 1,4-Bromofluorobenzene | 98 | 68-134 | |
| 1,2-Dichloroethane-d4 | 108 | 67-133 | |
| Toluene-d8 | 108 | 70-130 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| OA1 | 15-03-0588-7-A | 03/05/15 13:38 | Air | GC/MS K | N/A | 03/13/15 05:22 | 150312L01 |
| Parameter | | Result | RL | DF | Qualifiers | | |
| Acetone | | 14 | 4.8 | 1.00 | | | |
| Benzene | | 1.9 | 1.6 | 1.00 | | | |
| Benzyl Chloride | | ND | 7.8 | 1.00 | | | |
| Bromodichloromethane | | ND | 3.4 | 1.00 | | | |
| Bromoform | | ND | 5.2 | 1.00 | | | |
| Bromomethane | | ND | 1.9 | 1.00 | | | |
| 2-Butanone | | ND | 4.4 | 1.00 | | | |
| Carbon Disulfide | | ND | 6.2 | 1.00 | | | |
| Carbon Tetrachloride | | ND | 3.1 | 1.00 | | | |
| Chlorobenzene | | ND | 2.3 | 1.00 | | | |
| Chloroethane | | ND | 1.3 | 1.00 | | | |
| Chloroform | | ND | 2.4 | 1.00 | | | |
| Chloromethane | | 1.6 | 1.0 | 1.00 | | | |
| Dibromochloromethane | | ND | 4.3 | 1.00 | | | |
| Dichlorodifluoromethane | | 2.9 | 2.5 | 1.00 | | | |
| Diisopropyl Ether (DIPE) | | ND | 8.4 | 1.00 | | | |
| 1,1-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,1-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| 1,2-Dibromoethane | | ND | 3.8 | 1.00 | | | |
| Dichlorotetrafluoroethane | | ND | 14 | 1.00 | | | |
| 1,2-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,2-Dichloroethane | | ND | 2.0 | 1.00 | | | |
| 1,2-Dichloropropane | | ND | 2.3 | 1.00 | | | |
| 1,3-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| 1,4-Dichlorobenzene | | ND | 3.0 | 1.00 | | | |
| c-1,3-Dichloropropene | | ND | 2.3 | 1.00 | | | |
| c-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,2-Dichloroethene | | ND | 2.0 | 1.00 | | | |
| t-1,3-Dichloropropene | | ND | 4.5 | 1.00 | | | |
| Ethanol | | 19 | 9.4 | 1.00 | | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | 8.4 | 1.00 | | | |
| Ethylbenzene | | ND | 2.2 | 1.00 | | | |
| 4-Ethyltoluene | | ND | 2.5 | 1.00 | | | |
| Hexachloro-1,3-Butadiene | | ND | 16 | 1.00 | | | |
| 2-Hexanone | | ND | 6.1 | 1.00 | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | ND | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 96 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 107 | 67-133 | | |
| Toluene-d8 | 103 | 70-130 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 15 of 16

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------------|-------------------------|---------------------|------------|----------------|---------------|---------------------------|-------------------|
| Method Blank | 095-01-021-15055 | N/A | Air | GC/MS K | N/A | 03/12/15 17:21 | 150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | | <u>DF</u> | | <u>Qualifiers</u> |
| Acetone | | ND | | | 1.00 | | |
| Benzene | | ND | | | 1.00 | | |
| Benzyl Chloride | | ND | | | 1.00 | | |
| Bromodichloromethane | | ND | | | 1.00 | | |
| Bromoform | | ND | | | 1.00 | | |
| Bromomethane | | ND | | | 1.00 | | |
| 2-Butanone | | ND | | | 1.00 | | |
| Carbon Disulfide | | ND | | | 1.00 | | |
| Carbon Tetrachloride | | ND | | | 1.00 | | |
| Chlorobenzene | | ND | | | 1.00 | | |
| Chloroethane | | ND | | | 1.00 | | |
| Chloroform | | ND | | | 1.00 | | |
| Chloromethane | | ND | | | 1.00 | | |
| Dibromochloromethane | | ND | | | 1.00 | | |
| Dichlorodifluoromethane | | ND | | | 1.00 | | |
| Diisopropyl Ether (DIPE) | | ND | | | 1.00 | | |
| 1,1-Dichloroethane | | ND | | | 1.00 | | |
| 1,1-Dichloroethene | | ND | | | 1.00 | | |
| 1,2-Dibromoethane | | ND | | | 1.00 | | |
| Dichlorotetrafluoroethane | | ND | | | 1.00 | | |
| 1,2-Dichlorobenzene | | ND | | | 1.00 | | |
| 1,2-Dichloroethane | | ND | | | 1.00 | | |
| 1,2-Dichloropropane | | ND | | | 1.00 | | |
| 1,3-Dichlorobenzene | | ND | | | 1.00 | | |
| 1,4-Dichlorobenzene | | ND | | | 1.00 | | |
| c-1,3-Dichloropropene | | ND | | | 1.00 | | |
| c-1,2-Dichloroethene | | ND | | | 1.00 | | |
| t-1,2-Dichloroethene | | ND | | | 1.00 | | |
| t-1,3-Dichloropropene | | ND | | | 1.00 | | |
| Ethanol | | ND | | | 1.00 | | |
| Ethyl-t-Butyl Ether (ETBE) | | ND | | | 1.00 | | |
| Ethylbenzene | | ND | | | 1.00 | | |
| 4-Ethyltoluene | | ND | | | 1.00 | | |
| Hexachloro-1,3-Butadiene | | ND | | | 1.00 | | |
| 2-Hexanone | | ND | | | 1.00 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 16 of 16

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|---------------------------------------|-----------------|-----------------------|-------------------|-------------------|
| Methyl-t-Butyl Ether (MTBE) | ND | 7.2 | 1.00 | |
| Methylene Chloride | ND | 17 | 1.00 | |
| 4-Methyl-2-Pentanone | ND | 6.1 | 1.00 | |
| Naphthalene | ND | 26 | 1.00 | |
| o-Xylene | ND | 2.2 | 1.00 | |
| p/m-Xylene | ND | 8.7 | 1.00 | |
| Styrene | ND | 6.4 | 1.00 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 8.4 | 1.00 | |
| Tert-Butyl Alcohol (TBA) | ND | 6.1 | 1.00 | |
| Tetrachloroethene | ND | 3.4 | 1.00 | |
| Toluene | ND | 1.9 | 1.00 | |
| Trichloroethene | ND | 2.7 | 1.00 | |
| Trichlorofluoromethane | ND | 5.6 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 2.7 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 2.5 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 7.4 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 15 | 1.00 | |
| Vinyl Acetate | ND | 7.0 | 1.00 | |
| Vinyl Chloride | ND | 1.3 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,4-Bromofluorobenzene | 100 | 68-134 | | |
| 1,2-Dichloroethane-d4 | 106 | 67-133 | | |
| Toluene-d8 | 102 | 70-130 | | |



 Return to Contents

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 16

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA1 | 15-03-0588-1-A | 03/05/15 13:50 | Air | GC/MS DD | N/A | 03/09/15 17:29 | 150309L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | | | | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | | | | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | | | | |
| Bromomethane | ND | 0.097 | 1.00 | | | | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| 1,1,1-Trichloroethane | 0.14 | 0.14 | 1.00 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.51 | 0.19 | 1.00 | | | | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | | | | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | | | | |
| 1,2,4-Trimethylbenzene | 0.55 | 0.25 | 1.00 | | | | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,3,5-Trimethylbenzene | 0.12 | 0.12 | 1.00 | | | | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | | | | |
| 2-Butanone | ND | 1.5 | 1.00 | | | | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | | | | |
| Benzene | 1.3 | 0.080 | 1.00 | | | | |
| Bromodichloromethane | ND | 0.17 | 1.00 | | | | |
| Carbon Disulfide | ND | 1.6 | 1.00 | | | | |
| Carbon Tetrachloride | 0.43 | 0.063 | 1.00 | | | | |
| Chlorobenzene | ND | 0.12 | 1.00 | | | | |
| Chloroethane | ND | 0.066 | 1.00 | | | | |
| Chloroform | 0.27 | 0.12 | 1.00 | | | | |
| Chloromethane | 1.2 | 0.052 | 1.00 | | | | |
| Dibromochloromethane | ND | 0.21 | 1.00 | | | | |
| Dichlorodifluoromethane | 1.9 | 0.12 | 1.00 | | | | |
| Ethylbenzene | 0.38 | 0.11 | 1.00 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.63 | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | 0.26 | 0.090 | 1.00 | |
| Methylene Chloride | 0.55 | 0.087 | 1.00 | |
| Naphthalene | 0.30 | 0.052 | 1.00 | |
| Tetrachloroethene | 0.58 | 0.17 | 1.00 | |
| Toluene | 3.6 | 0.19 | 1.00 | |
| Trichloroethene | 3.1 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.50 | 0.11 | 1.00 | |
| p/m-Xylene | 1.3 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.17 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.16 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 93 | 37-163 | | |
| 1,4-Bromofluorobenzene | 96 | 45-153 | | |
| Toluene-d8 | 96 | 73-121 | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA1 Dup | 15-03-0588-2-A | 03/05/15 13:50 | Air | GC/MS DD | N/A | 03/09/15 18:25 | 150309L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | | | | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | | | | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | | | | |
| Bromomethane | ND | 0.097 | 1.00 | | | | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| 1,1,1-Trichloroethane | 0.16 | 0.14 | 1.00 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.52 | 0.19 | 1.00 | | | | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | | | | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | | | | |
| 1,2,4-Trimethylbenzene | 0.46 | 0.25 | 1.00 | | | | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | | | | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | | | | |
| 2-Butanone | ND | 1.5 | 1.00 | | | | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | | | | |
| Benzene | 1.2 | 0.080 | 1.00 | | | | |
| Bromodichloromethane | ND | 0.17 | 1.00 | | | | |
| Carbon Disulfide | ND | 1.6 | 1.00 | | | | |
| Carbon Tetrachloride | 0.44 | 0.063 | 1.00 | | | | |
| Chlorobenzene | ND | 0.12 | 1.00 | | | | |
| Chloroethane | ND | 0.066 | 1.00 | | | | |
| Chloroform | 0.28 | 0.12 | 1.00 | | | | |
| Chloromethane | 1.2 | 0.052 | 1.00 | | | | |
| Dibromochloromethane | ND | 0.21 | 1.00 | | | | |
| Dichlorodifluoromethane | 2.0 | 0.12 | 1.00 | | | | |
| Ethylbenzene | 0.32 | 0.11 | 1.00 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | | | | |

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

Analytical Report

Cardno ERI
 601 North McDowell Blvd.
 Petaluma, CA 94954-2312

Date Received: 03/07/15
 Work Order: 15-03-0588
 Preparation: N/A
 Method: EPA TO-15 SIM
 Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
 Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.43 | 0.087 | 1.00 | |
| Naphthalene | 0.25 | 0.052 | 1.00 | |
| Tetrachloroethene | 0.65 | 0.17 | 1.00 | |
| Toluene | 2.9 | 0.19 | 1.00 | |
| Trichloroethene | 3.5 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.35 | 0.11 | 1.00 | |
| p/m-Xylene | 0.92 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.14 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.16 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 89 | 37-163 | | |
| 1,4-Bromofluorobenzene | 95 | 45-153 | | |
| Toluene-d8 | 100 | 73-121 | | |



 Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IA2 | 15-03-0588-3-A | 03/05/15 14:20 | Air | GC/MS DD | N/A | 03/09/15 19:18 | 150309L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | | | | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | | | | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | | | | |
| Bromomethane | ND | 0.097 | 1.00 | | | | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.51 | 0.19 | 1.00 | | | | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | | | | |
| 1,1-Difluoroethane | 0.86 | 0.68 | 1.00 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | | | | |
| 1,2,4-Trimethylbenzene | 0.42 | 0.25 | 1.00 | | | | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | | | | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | | | | |
| 2-Butanone | ND | 1.5 | 1.00 | | | | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | | | | |
| Benzene | 1.1 | 0.080 | 1.00 | | | | |
| Bromodichloromethane | ND | 0.17 | 1.00 | | | | |
| Carbon Disulfide | ND | 1.6 | 1.00 | | | | |
| Carbon Tetrachloride | 0.41 | 0.063 | 1.00 | | | | |
| Chlorobenzene | ND | 0.12 | 1.00 | | | | |
| Chloroethane | ND | 0.066 | 1.00 | | | | |
| Chloroform | 0.21 | 0.12 | 1.00 | | | | |
| Chloromethane | 1.2 | 0.052 | 1.00 | | | | |
| Dibromochloromethane | ND | 0.21 | 1.00 | | | | |
| Dichlorodifluoromethane | 1.9 | 0.12 | 1.00 | | | | |
| Ethylbenzene | 0.31 | 0.11 | 1.00 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.39 | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.51 | 0.087 | 1.00 | |
| Naphthalene | 0.22 | 0.052 | 1.00 | |
| Tetrachloroethene | 0.43 | 0.17 | 1.00 | |
| Toluene | 2.7 | 0.19 | 1.00 | |
| Trichloroethene | 1.2 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.0 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.36 | 0.11 | 1.00 | |
| p/m-Xylene | 0.90 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.14 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.15 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 89 | 37-163 | | |
| 1,4-Bromofluorobenzene | 97 | 45-153 | | |
| Toluene-d8 | 97 | 73-121 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---------------------------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC/MS DD | N/A | 03/09/15 20:12 | 150309L01 |
| Parameter | Result | RL | DF | Qualifiers | | | |
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | | | | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | | | | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | | | | |
| Bromomethane | ND | 0.097 | 1.00 | | | | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | | | | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.40 | 0.19 | 1.00 | | | | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | | | | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | | | | |
| 1,1-Difluoroethane | 4.5 | 0.68 | 1.00 | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | | | | |
| 1,2,4-Trimethylbenzene | 0.39 | 0.25 | 1.00 | | | | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | | | | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | | | | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | | | | |
| 2-Butanone | ND | 1.5 | 1.00 | | | | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | | | | |
| Benzene | 1.5 | 0.080 | 1.00 | | | | |
| Bromodichloromethane | ND | 0.17 | 1.00 | | | | |
| Carbon Disulfide | ND | 1.6 | 1.00 | | | | |
| Carbon Tetrachloride | 0.46 | 0.063 | 1.00 | | | | |
| Chlorobenzene | ND | 0.12 | 1.00 | | | | |
| Chloroethane | ND | 0.066 | 1.00 | | | | |
| Chloroform | 0.27 | 0.12 | 1.00 | | | | |
| Chloromethane | 1.1 | 0.052 | 1.00 | | | | |
| Dibromochloromethane | ND | 0.21 | 1.00 | | | | |
| Dichlorodifluoromethane | 2.0 | 0.12 | 1.00 | | | | |
| Ethylbenzene | 0.34 | 0.11 | 1.00 | | | | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | | | | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.30 | 0.087 | 1.00 | |
| Naphthalene | 0.12 | 0.052 | 1.00 | |
| Tetrachloroethene | 1.5 | 0.17 | 1.00 | |
| Toluene | 4.3 | 0.19 | 1.00 | |
| Trichloroethene | 0.25 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.34 | 0.11 | 1.00 | |
| p/m-Xylene | 0.86 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.18 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.59 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 89 | 37-163 | | |
| 1,4-Bromofluorobenzene | 96 | 45-153 | | |
| Toluene-d8 | 106 | 73-121 | | |



Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC/MS DD | N/A | 03/09/15 21:07 | 150309L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.52 | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | 3.5 | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | 0.43 | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | ND | 1.5 | 1.00 | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | |
| Benzene | 1.8 | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | 0.43 | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | 0.31 | 0.12 | 1.00 | |
| Chloromethane | 1.3 | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | 1.9 | 0.12 | 1.00 | |
| Ethylbenzene | 0.30 | 0.11 | 1.00 | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.64 | 0.087 | 1.00 | |
| Naphthalene | 0.12 | 0.052 | 1.00 | |
| Tetrachloroethene | 1.4 | 0.17 | 1.00 | |
| Toluene | 3.2 | 0.19 | 1.00 | |
| Trichloroethene | 0.31 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.35 | 0.11 | 1.00 | |
| p/m-Xylene | 0.82 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.24 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.49 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 87 | 37-163 | | |
| 1,4-Bromofluorobenzene | 98 | 45-153 | | |
| Toluene-d8 | 97 | 73-121 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC/MS DD | N/A | 03/09/15 22:03 | 150309L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.53 | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | 0.54 | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | 0.12 | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | 1.7 | 1.5 | 1.00 | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | |
| Benzene | 1.9 | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | 0.46 | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | 0.27 | 0.12 | 1.00 | |
| Chloromethane | 1.3 | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | 2.0 | 0.12 | 1.00 | |
| Ethylbenzene | 0.71 | 0.11 | 1.00 | |
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexane | 0.48 | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.68 | 0.087 | 1.00 | |
| Naphthalene | 0.30 | 0.052 | 1.00 | |
| Tetrachloroethene | 0.63 | 0.17 | 1.00 | |
| Toluene | 4.3 | 0.19 | 1.00 | |
| Trichloroethene | 0.43 | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.53 | 0.11 | 1.00 | |
| p/m-Xylene | 1.4 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 1.1 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | 0.67 | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 91 | 37-163 | | |
| 1,4-Bromofluorobenzene | 99 | 45-153 | | |
| Toluene-d8 | 106 | 73-121 | | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| OA1 | 15-03-0588-7-A | 03/05/15 13:38 | Air | GC/MS DD | N/A | 03/09/15 22:58 | 150309L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.53 | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | 0.32 | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | ND | 1.5 | 1.00 | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | |
| Acetone | 8.0 | 1.2 | 1.00 | |
| Benzene | 1.7 | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | 0.46 | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | ND | 0.12 | 1.00 | |
| Chloromethane | 1.2 | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | 2.0 | 0.12 | 1.00 | |
| Ethylbenzene | 0.16 | 0.11 | 1.00 | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | 0.45 | 0.087 | 1.00 | |
| Naphthalene | 0.10 | 0.052 | 1.00 | |
| Tetrachloroethene | ND | 0.17 | 1.00 | |
| Toluene | 0.86 | 0.19 | 1.00 | |
| Trichloroethene | ND | 0.13 | 1.00 | |
| Trichlorofluoromethane | 1.1 | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | 0.22 | 0.11 | 1.00 | |
| p/m-Xylene | 0.56 | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | 0.059 | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | ND | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 90 | 37-163 | | |
| 1,4-Bromofluorobenzene | 99 | 45-153 | | |
| Toluene-d8 | 93 | 73-121 | | |


 Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| Method Blank | 099-15-214-166 | N/A | Air | GC/MS DD | N/A | 03/09/15 16:35 | 150309L01 |

| Parameter | Result | RL | DF | Qualifiers |
|---------------------------------------|--------|-------|------|------------|
| 1,2-Dibromoethane | ND | 0.19 | 1.00 | |
| Dichlorotetrafluoroethane | ND | 0.17 | 1.00 | |
| 1,2-Dichloropropane | ND | 0.12 | 1.00 | |
| Bromomethane | ND | 0.097 | 1.00 | |
| c-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| t-1,3-Dichloropropene | ND | 0.11 | 1.00 | |
| 1,1,1-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.17 | 1.00 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 0.19 | 1.00 | |
| 1,1,2-Trichloroethane | ND | 0.14 | 1.00 | |
| 1,1-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,1-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,1-Difluoroethane | ND | 0.68 | 1.00 | |
| 1,2,4-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,4-Trimethylbenzene | ND | 0.25 | 1.00 | |
| 1,2-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,2-Dichloroethane | ND | 0.10 | 1.00 | |
| 1,3,5-Trimethylbenzene | ND | 0.12 | 1.00 | |
| 1,3-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dichlorobenzene | ND | 0.15 | 1.00 | |
| 1,4-Dioxane | ND | 0.90 | 1.00 | |
| 2-Butanone | ND | 1.5 | 1.00 | |
| 4-Ethyltoluene | ND | 0.25 | 1.00 | |
| Acetone | ND | 1.2 | 1.00 | |
| Benzene | ND | 0.080 | 1.00 | |
| Bromodichloromethane | ND | 0.17 | 1.00 | |
| Carbon Disulfide | ND | 1.6 | 1.00 | |
| Carbon Tetrachloride | ND | 0.063 | 1.00 | |
| Chlorobenzene | ND | 0.12 | 1.00 | |
| Chloroethane | ND | 0.066 | 1.00 | |
| Chloroform | ND | 0.12 | 1.00 | |
| Chloromethane | ND | 0.052 | 1.00 | |
| Dibromochloromethane | ND | 0.21 | 1.00 | |
| Dichlorodifluoromethane | ND | 0.12 | 1.00 | |
| Ethylbenzene | ND | 0.11 | 1.00 | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|-----------------------------|-----------------|-----------------------|-------------------|-------------------|
| Hexachloro-1,3-Butadiene | ND | 0.27 | 1.00 | |
| Hexane | ND | 0.35 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 0.090 | 1.00 | |
| Methylene Chloride | ND | 0.087 | 1.00 | |
| Naphthalene | ND | 0.052 | 1.00 | |
| Tetrachloroethene | ND | 0.17 | 1.00 | |
| Toluene | ND | 0.19 | 1.00 | |
| Trichloroethene | ND | 0.13 | 1.00 | |
| Trichlorofluoromethane | ND | 0.14 | 1.00 | |
| Vinyl Chloride | ND | 0.026 | 1.00 | |
| c-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| o-Xylene | ND | 0.11 | 1.00 | |
| p/m-Xylene | ND | 0.11 | 1.00 | |
| t-1,2-Dichloroethene | ND | 0.099 | 1.00 | |
| 1,3-Butadiene | ND | 0.055 | 1.00 | |
| 1,2,3-Trichlorobenzene | ND | 0.19 | 1.00 | |
| 1,2,3-Trichloropropane | ND | 0.15 | 1.00 | |
| Styrene | ND | 0.11 | 1.00 | |
| <u>Surrogate</u> | <u>Rec. (%)</u> | <u>Control Limits</u> | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | 94 | 37-163 | | |
| 1,4-Bromofluorobenzene | 91 | 45-153 | | |
| Toluene-d8 | 102 | 73-121 | | |


 Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|--------------------------|-----------------------|---------------------------|------------|-----------------------|---------------|---------------------------|-------------------|
| IA1 | 15-03-0588-1-A | 03/05/15 13:50 | Air | GC/MS K | N/A | 03/13/15 00:15 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | 9100 | | 470 | | 1.00 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 105 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 98 | | 50-150 | | | |
| Toluene-d8 | | 104 | | 50-150 | | | |
| IA1 Dup | 15-03-0588-2-A | 03/05/15 13:50 | Air | GC/MS K | N/A | 03/13/15 01:07 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | 12000 | | 470 | | 1.00 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 103 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 99 | | 50-150 | | | |
| Toluene-d8 | | 102 | | 50-150 | | | |
| IA2 | 15-03-0588-3-A | 03/05/15 14:20 | Air | GC/MS K | N/A | 03/13/15 01:56 | G150312L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| TPH as Gasoline (C6-C12) | | 2100 | | 470 | | 1.00 | |
| <u>Surrogate</u> | | <u>Rec. (%)</u> | | <u>Control Limits</u> | | <u>Qualifiers</u> | |
| 1,2-Dichloroethane-d4 | | 104 | | 50-150 | | | |
| 1,4-Bromofluorobenzene | | 98 | | 50-150 | | | |
| Toluene-d8 | | 104 | | 50-150 | | | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 2 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC/MS K | N/A | 03/13/15 02:45 | G150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | ND | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 97 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC/MS K | N/A | 03/13/15 03:37 | G150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | 610 | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 106 | 50-150 | |
| 1,4-Bromofluorobenzene | 94 | 50-150 | |
| Toluene-d8 | 104 | 50-150 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC/MS K | N/A | 03/13/15 04:30 | G150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | 680 | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 106 | 50-150 | |
| 1,4-Bromofluorobenzene | 97 | 50-150 | |
| Toluene-d8 | 104 | 50-150 | |

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE
Units: ug/m3

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 3 of 3

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|--------|------------|---------------|--------------------|-------------|
| OA1 | 15-03-0588-7-A | 03/05/15 13:38 | Air | GC/MS K | N/A | 03/13/15 05:22 | G150312L01 |

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | ND | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 106 | 50-150 | |
| 1,4-Bromofluorobenzene | 95 | 50-150 | |
| Toluene-d8 | 106 | 50-150 | |

| Method Blank | 099-16-014-83 | N/A | Air | GC/MS K | N/A | 03/12/15 17:21 | G150312L01 |
|--------------|---------------|-----|-----|---------|-----|-------------------|------------|
|--------------|---------------|-----|-----|---------|-----|-------------------|------------|

| Parameter | Result | RL | DF | Qualifiers |
|--------------------------|--------|-----|------|------------|
| TPH as Gasoline (C6-C12) | ND | 470 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|------------------------|----------|----------------|------------|
| 1,2-Dichloroethane-d4 | 105 | 50-150 | |
| 1,4-Bromofluorobenzene | 99 | 50-150 | |
| Toluene-d8 | 105 | 50-150 | |

Return to Contents

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

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: SCAQMD 25.1M
Units: %v

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|-------------------|
| IA1 | 15-03-0588-1-A | 03/05/15 13:50 | Air | GC 65 | N/A | 03/09/15 10:41 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| IA1 Dup | 15-03-0588-2-A | 03/05/15 13:50 | Air | GC 65 | N/A | 03/09/15 10:59 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| IA2 | 15-03-0588-3-A | 03/05/15 14:20 | Air | GC 65 | N/A | 03/09/15 11:19 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC 65 | N/A | 03/09/15 11:42 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC 65 | N/A | 03/09/15 12:10 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC 65 | N/A | 03/09/15 12:30 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| OA1 | 15-03-0588-7-A | 03/05/15 13:38 | Air | GC 65 | N/A | 03/09/15 12:49 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | 22 | | 0.50 | | 1.00 | |
| Method Blank | 099-12-192-662 | N/A | Air | GC 65 | N/A | 03/09/15 10:22 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Oxygen (+ Argon) | | ND | | 0.50 | | 1.00 | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: SCAQMD 25.1M
Units: %

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|-------------------|
| IA1 | 15-03-0588-1-A | 03/05/15 13:50 | Air | GC 14 | N/A | 03/09/15 09:31 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00019 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.043 | | 0.00010 | | 1.00 | |
| IA1 Dup | 15-03-0588-2-A | 03/05/15 13:50 | Air | GC 14 | N/A | 03/09/15 09:51 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00018 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.043 | | 0.00010 | | 1.00 | |
| IA2 | 15-03-0588-3-A | 03/05/15 14:20 | Air | GC 14 | N/A | 03/09/15 10:19 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00018 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.041 | | 0.00010 | | 1.00 | |
| IAV1 | 15-03-0588-4-A | 03/05/15 13:44 | Air | GC 14 | N/A | 03/09/15 10:41 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00019 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.049 | | 0.00010 | | 1.00 | |
| IAV2 | 15-03-0588-5-A | 03/05/15 15:26 | Air | GC 14 | N/A | 03/09/15 11:08 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00019 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.050 | | 0.00010 | | 1.00 | |
| IAA1 | 15-03-0588-6-A | 03/05/15 13:58 | Air | GC 14 | N/A | 03/09/15 11:28 | 150309L01 |
| <u>Parameter</u> | | <u>Result</u> | | <u>RL</u> | | <u>DF</u> | <u>Qualifiers</u> |
| Methane | | 0.00019 | | 0.00010 | | 1.00 | |
| Carbon Dioxide | | 0.070 | | 0.00010 | | 1.00 | |

Return to Contents

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



Calscience

Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: SCAQMD 25.1M
Units: %

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 2 of 2

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-----------------------|---------------------------|------------|--------------|---------------|---------------------------|------------------|
| OA1 | 15-03-0588-7-A | 03/05/15 13:38 | Air | GC 14 | N/A | 03/09/15 11:49 | 150309L01 |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Methane | 0.00018 | 0.00010 | 1.00 | |
| Carbon Dioxide | 0.038 | 0.00010 | 1.00 | |

| Method Blank | 099-12-194-817 | N/A | Air | GC 14 | N/A | 03/09/15 09:08 | 150309L01 |
|---------------------|-----------------------|------------|------------|-------------------|------------|---------------------------|------------------|
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> | | | |
| Methane | ND | 0.00010 | 1.00 | | | | |
| Carbon Dioxide | ND | 0.00010 | 1.00 | | | | |

| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>DF</u> | <u>Qualifiers</u> |
|------------------|---------------|-----------|-----------|-------------------|
| Methane | ND | 0.00010 | 1.00 | |
| Carbon Dioxide | ND | 0.00010 | 1.00 | |


 Return to Contents

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



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 1 of 7

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|----------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 095-01-021-15055 | LCS | Air | GC/MS K | N/A | 03/12/15 12:25 | 150312L01 | | | | |
| 095-01-021-15055 | LCSD | Air | GC/MS K | N/A | 03/12/15 13:15 | 150312L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| Acetone | 59.39 | 69.96 | 118 | 70.69 | 119 | 67-133 | 56-144 | 1 | 0-30 | |
| Benzene | 79.87 | 82.70 | 104 | 81.94 | 103 | 70-130 | 60-140 | 1 | 0-30 | |
| Benzyl Chloride | 129.4 | 113.8 | 88 | 105.6 | 82 | 38-158 | 18-178 | 7 | 0-30 | |
| Bromodichloromethane | 167.5 | 181.1 | 108 | 179.8 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| Bromoform | 258.4 | 312.9 | 121 | 305.9 | 118 | 63-147 | 49-161 | 2 | 0-30 | |
| Bromomethane | 97.08 | 113.4 | 117 | 113.9 | 117 | 70-139 | 58-150 | 0 | 0-30 | |
| 2-Butanone | 73.73 | 78.41 | 106 | 77.96 | 106 | 66-132 | 55-143 | 1 | 0-30 | |
| Carbon Disulfide | 77.85 | 99.32 | 128 | 98.97 | 127 | 68-146 | 55-159 | 0 | 0-30 | |
| Carbon Tetrachloride | 157.3 | 156.2 | 99 | 156.3 | 99 | 70-136 | 59-147 | 0 | 0-30 | |
| Chlorobenzene | 115.1 | 113.2 | 98 | 112.1 | 97 | 70-130 | 60-140 | 1 | 0-30 | |
| Chloroethane | 65.96 | 75.17 | 114 | 74.94 | 114 | 65-149 | 51-163 | 0 | 0-30 | |
| Chloroform | 122.1 | 127.1 | 104 | 126.6 | 104 | 70-130 | 60-140 | 0 | 0-30 | |
| Chloromethane | 51.63 | 60.78 | 118 | 60.70 | 118 | 69-141 | 57-153 | 0 | 0-30 | |
| Dibromochloromethane | 213.0 | 222.5 | 104 | 224.0 | 105 | 70-138 | 59-149 | 1 | 0-30 | |
| Dichlorodifluoromethane | 123.6 | 127.7 | 103 | 128.9 | 104 | 67-139 | 55-151 | 1 | 0-30 | |
| Diisopropyl Ether (DIPE) | 104.5 | 101.1 | 97 | 100.2 | 96 | 63-130 | 52-141 | 1 | 0-30 | |
| 1,1-Dichloroethane | 101.2 | 104.0 | 103 | 104.2 | 103 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,1-Dichloroethene | 99.12 | 121.6 | 123 | 120.4 | 121 | 70-135 | 59-146 | 1 | 0-30 | |
| 1,2-Dibromoethane | 192.1 | 197.3 | 103 | 198.1 | 103 | 70-133 | 60-144 | 0 | 0-30 | |
| Dichlorotetrafluoroethane | 174.8 | 158.2 | 91 | 158.9 | 91 | 51-135 | 37-149 | 0 | 0-30 | |
| 1,2-Dichlorobenzene | 150.3 | 135.2 | 90 | 125.3 | 83 | 48-138 | 33-153 | 8 | 0-30 | |
| 1,2-Dichloroethane | 101.2 | 103.9 | 103 | 103.5 | 102 | 70-132 | 60-142 | 0 | 0-30 | |
| 1,2-Dichloropropane | 115.5 | 120.0 | 104 | 118.2 | 102 | 70-130 | 60-140 | 1 | 0-30 | |
| 1,3-Dichlorobenzene | 150.3 | 154.1 | 103 | 145.9 | 97 | 56-134 | 43-147 | 5 | 0-30 | |
| 1,4-Dichlorobenzene | 150.3 | 151.0 | 100 | 141.6 | 94 | 52-136 | 38-150 | 6 | 0-30 | |
| c-1,3-Dichloropropene | 113.5 | 123.0 | 108 | 121.3 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| c-1,2-Dichloroethene | 99.12 | 97.08 | 98 | 96.34 | 97 | 70-130 | 60-140 | 1 | 0-30 | |
| t-1,2-Dichloroethene | 99.12 | 101.5 | 102 | 101.7 | 103 | 70-130 | 60-140 | 0 | 0-30 | |
| t-1,3-Dichloropropene | 113.5 | 132.6 | 117 | 130.2 | 115 | 70-147 | 57-160 | 2 | 0-30 | |
| Ethanol | 188.4 | 211.8 | 112 | 210.8 | 112 | 37-139 | 20-156 | 0 | 0-30 | |
| Ethyl-t-Butyl Ether (ETBE) | 104.5 | 98.36 | 94 | 98.90 | 95 | 67-130 | 56-140 | 1 | 0-30 | |
| Ethylbenzene | 108.6 | 107.8 | 99 | 106.4 | 98 | 70-130 | 60-140 | 1 | 0-30 | |
| 4-Ethyltoluene | 122.9 | 126.7 | 103 | 122.7 | 100 | 68-130 | 58-140 | 3 | 0-30 | |
| Hexachloro-1,3-Butadiene | 266.6 | 211.8 | 79 | 221.1 | 83 | 44-146 | 27-163 | 4 | 0-30 | |
| 2-Hexanone | 102.4 | 105.9 | 103 | 106.1 | 104 | 70-136 | 59-147 | 0 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|---------------------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Methyl-t-Butyl Ether (MTBE) | 90.13 | 89.57 | 99 | 89.09 | 99 | 68-130 | 58-140 | 1 | 0-30 | |
| Methylene Chloride | 86.84 | 103.4 | 119 | 103.9 | 120 | 69-130 | 59-140 | 0 | 0-30 | |
| 4-Methyl-2-Pentanone | 102.4 | 111.4 | 109 | 108.5 | 106 | 70-130 | 60-140 | 3 | 0-30 | |
| Naphthalene | 131.1 | 86.74 | 66 | 86.71 | 66 | 24-144 | 4-164 | 0 | 0-30 | |
| o-Xylene | 108.6 | 109.0 | 100 | 106.8 | 98 | 69-130 | 59-140 | 2 | 0-30 | |
| p/m-Xylene | 217.1 | 226.5 | 104 | 225.3 | 104 | 70-132 | 60-142 | 1 | 0-30 | |
| Styrene | 106.5 | 105.3 | 99 | 102.1 | 96 | 65-131 | 54-142 | 3 | 0-30 | |
| Tert-Amyl-Methyl Ether (TAME) | 104.5 | 97.44 | 93 | 97.82 | 94 | 69-130 | 59-140 | 0 | 0-30 | |
| Tert-Butyl Alcohol (TBA) | 151.6 | 168.5 | 111 | 169.0 | 112 | 66-144 | 53-157 | 0 | 0-30 | |
| Tetrachloroethene | 169.6 | 178.3 | 105 | 179.7 | 106 | 70-130 | 60-140 | 1 | 0-30 | |
| Toluene | 94.21 | 93.56 | 99 | 94.14 | 100 | 70-130 | 60-140 | 1 | 0-30 | |
| Trichloroethene | 134.3 | 145.5 | 108 | 144.4 | 107 | 70-130 | 60-140 | 1 | 0-30 | |
| Trichlorofluoromethane | 140.5 | 156.9 | 112 | 156.5 | 111 | 63-141 | 50-154 | 0 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 191.6 | 234.2 | 122 | 233.8 | 122 | 70-136 | 59-147 | 0 | 0-30 | |
| 1,1,1-Trichloroethane | 136.4 | 129.5 | 95 | 129.0 | 95 | 70-130 | 60-140 | 0 | 0-30 | |
| 1,1,2-Trichloroethane | 136.4 | 145.1 | 106 | 141.8 | 104 | 70-130 | 60-140 | 2 | 0-30 | |
| 1,3,5-Trimethylbenzene | 122.9 | 121.1 | 99 | 115.1 | 94 | 62-130 | 51-141 | 5 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 171.6 | 171.9 | 100 | 168.1 | 98 | 63-130 | 52-141 | 2 | 0-30 | |
| 1,2,4-Trimethylbenzene | 122.9 | 126.6 | 103 | 121.0 | 98 | 60-132 | 48-144 | 5 | 0-30 | |
| 1,2,4-Trichlorobenzene | 185.5 | 131.8 | 71 | 133.1 | 72 | 31-151 | 11-171 | 1 | 0-30 | |
| Vinyl Acetate | 88.03 | 57.90 | 66 | 57.63 | 65 | 58-130 | 46-142 | 0 | 0-30 | |
| Vinyl Chloride | 63.91 | 72.49 | 113 | 72.79 | 114 | 70-134 | 59-145 | 0 | 0-30 | |

Total number of LCS compounds: 57

Total number of ME compounds: 0

Total number of ME compounds allowed: 3

LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|--------|-----|--------|------------|
| 099-15-214-166 | LCS | Air | GC/MS DD | N/A | 03/09/15 14:01 | 150309L01 | | | | |
| 099-15-214-166 | LCSD | Air | GC/MS DD | N/A | 03/09/15 14:51 | 150309L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
| 1,2-Dibromoethane | 3.842 | 3.087 | 80 | 3.314 | 86 | 50-150 | 33-167 | 7 | 0-30 | |
| Dichlorotetrafluoroethane | 3.495 | 2.367 | 68 | 2.074 | 59 | 50-150 | 33-167 | 13 | 0-30 | |
| 1,2-Dichloropropane | 2.311 | 1.891 | 82 | 2.074 | 90 | 50-150 | 33-167 | 9 | 0-30 | |
| Bromomethane | 1.942 | 1.661 | 86 | 1.489 | 77 | 50-150 | 33-167 | 11 | 0-30 | |
| c-1,3-Dichloropropene | 2.269 | 1.940 | 85 | 2.158 | 95 | 50-150 | 33-167 | 11 | 0-30 | |
| t-1,3-Dichloropropene | 2.269 | 2.273 | 100 | 2.558 | 113 | 50-150 | 33-167 | 12 | 0-30 | |
| 1,1,1-Trichloroethane | 2.728 | 2.133 | 78 | 2.346 | 86 | 50-150 | 33-167 | 10 | 0-30 | |
| 1,1,2,2-Tetrachloroethane | 3.433 | 2.893 | 84 | 2.790 | 81 | 50-150 | 33-167 | 4 | 0-30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 3.832 | 3.331 | 87 | 3.365 | 88 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,1,2-Trichloroethane | 2.728 | 2.240 | 82 | 2.479 | 91 | 27-171 | 3-195 | 10 | 0-38 | |
| 1,1-Dichloroethane | 2.024 | 1.704 | 84 | 1.742 | 86 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,1-Dichloroethene | 1.982 | 1.878 | 95 | 1.809 | 91 | 50-150 | 33-167 | 4 | 0-30 | |
| 1,1-Difluoroethane | 1.351 | 1.333 | 99 | 1.370 | 101 | 50-150 | 33-167 | 3 | 0-30 | |
| 1,2,4-Trichlorobenzene | 3.711 | 3.007 | 81 | 3.168 | 85 | 50-150 | 33-167 | 5 | 0-30 | |
| 1,2,4-Trimethylbenzene | 2.458 | 1.930 | 79 | 1.906 | 78 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,2-Dichlorobenzene | 3.006 | 2.537 | 84 | 2.551 | 85 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,2-Dichloroethane | 2.024 | 1.629 | 80 | 1.645 | 81 | 28-166 | 5-189 | 1 | 0-40 | |
| 1,3,5-Trimethylbenzene | 2.458 | 2.162 | 88 | 2.113 | 86 | 50-150 | 33-167 | 2 | 0-30 | |
| 1,3-Dichlorobenzene | 3.006 | 2.609 | 87 | 2.607 | 87 | 50-150 | 33-167 | 0 | 0-30 | |
| 1,4-Dichlorobenzene | 3.006 | 2.594 | 86 | 2.610 | 87 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,4-Dioxane | 1.802 | 1.292 | 72 | 1.376 | 76 | 60-140 | 47-153 | 6 | 0-30 | |
| 4-Ethyltoluene | 2.458 | 2.063 | 84 | 1.987 | 81 | 50-150 | 33-167 | 4 | 0-30 | |
| Benzene | 1.597 | 1.350 | 85 | 1.474 | 92 | 27-153 | 6-174 | 9 | 0-34 | |
| Bromodichloromethane | 3.350 | 2.751 | 82 | 2.978 | 89 | 50-150 | 33-167 | 8 | 0-30 | |
| Carbon Tetrachloride | 3.146 | 2.452 | 78 | 2.650 | 84 | 7-187 | 0-217 | 8 | 0-31 | |
| Chlorobenzene | 2.302 | 2.026 | 88 | 2.022 | 88 | 50-150 | 33-167 | 0 | 0-30 | |
| Chloroethane | 1.319 | 1.112 | 84 | 1.027 | 78 | 50-150 | 33-167 | 8 | 0-30 | |
| Chloroform | 2.441 | 2.076 | 85 | 1.963 | 80 | 50-150 | 33-167 | 6 | 0-30 | |
| Chloromethane | 1.033 | 1.007 | 98 | 0.8997 | 87 | 50-150 | 33-167 | 11 | 0-30 | |
| Dibromochloromethane | 4.259 | 3.508 | 82 | 3.801 | 89 | 50-150 | 33-167 | 8 | 0-30 | |
| Dichlorodifluoromethane | 2.473 | 2.041 | 83 | 1.903 | 77 | 50-150 | 33-167 | 7 | 0-30 | |
| Ethylbenzene | 2.171 | 2.044 | 94 | 1.931 | 89 | 27-153 | 6-174 | 6 | 0-46 | |
| Hexachloro-1,3-Butadiene | 5.333 | 4.298 | 81 | 4.573 | 86 | 50-150 | 33-167 | 6 | 0-30 | |
| Methyl-t-Butyl Ether (MTBE) | 1.803 | 1.575 | 87 | 1.646 | 91 | 50-150 | 33-167 | 4 | 0-30 | |
| Methylene Chloride | 1.737 | 1.514 | 87 | 1.480 | 85 | 50-150 | 33-167 | 2 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: EPA TO-15 SIM

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

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| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | ME CL | RPD | RPD CL | Qualifiers |
|------------------------|-------------|-----------|-----------|------------|------------|----------|--------|-----|--------|------------|
| Naphthalene | 2.621 | 1.802 | 69 | 1.837 | 70 | 50-150 | 33-167 | 2 | 0-30 | |
| Tetrachloroethene | 3.391 | 2.877 | 85 | 3.045 | 90 | 34-154 | 14-174 | 6 | 0-33 | |
| Toluene | 1.884 | 1.536 | 82 | 1.700 | 90 | 28-154 | 7-175 | 10 | 0-42 | |
| Trichloroethene | 2.687 | 2.244 | 84 | 2.454 | 91 | 43-139 | 27-155 | 9 | 0-31 | |
| Trichlorofluoromethane | 2.809 | 2.143 | 76 | 2.170 | 77 | 50-150 | 33-167 | 1 | 0-30 | |
| Vinyl Chloride | 1.278 | 1.112 | 87 | 1.019 | 80 | 44-140 | 28-156 | 9 | 0-33 | |
| c-1,2-Dichloroethene | 1.982 | 1.655 | 83 | 1.650 | 83 | 35-165 | 13-187 | 0 | 0-35 | |
| o-Xylene | 2.171 | 1.994 | 92 | 1.907 | 88 | 22-160 | 0-183 | 4 | 0-48 | |
| p/m-Xylene | 4.342 | 4.013 | 92 | 3.900 | 90 | 21-165 | 0-189 | 3 | 0-51 | |
| t-1,2-Dichloroethene | 1.982 | 1.636 | 83 | 1.621 | 82 | 50-150 | 33-167 | 1 | 0-30 | |
| 1,2,3-Trichlorobenzene | 3.711 | 3.184 | 86 | 3.323 | 90 | 50-150 | 33-167 | 4 | 0-30 | |
| 1,2,3-Trichloropropane | 3.015 | 2.715 | 90 | 2.651 | 88 | 50-150 | 33-167 | 2 | 0-30 | |
| Styrene | 2.130 | 2.085 | 98 | 1.924 | 90 | 50-150 | 33-167 | 8 | 0-30 | |

Total number of LCS compounds: 48

Total number of ME compounds: 0

Total number of ME compounds allowed: 2

LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: GC/MS C6-C12 AS GASOLINE

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 5 of 7

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|
| 099-16-014-83 | LCS | Air | GC/MS K | N/A | 03/12/15 14:05 | G150312L01 | | | |
| 099-16-014-83 | LCSD | Air | GC/MS K | N/A | 03/12/15 14:55 | G150312L01 | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
| TPH as Gasoline (C6-C12) | 4663 | 3995 | 86 | 3968 | 85 | 50-150 | 1 | 0-30 | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: SCAQMD 25.1M

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 6 of 7

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|--|
| 099-12-192-662 | LCS | Air | GC 65 | N/A | 03/09/15 09:43 | 150309L01 | | | | |
| 099-12-192-662 | LCSD | Air | GC 65 | N/A | 03/09/15 10:05 | 150309L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers | |
| Oxygen (+ Argon) | 4.010 | 4.133 | 103 | 4.129 | 103 | 80-120 | 0 | 0-20 | | |
| Nitrogen | 69.50 | 69.29 | 100 | 69.19 | 100 | 80-120 | 0 | 0-20 | | |
| Methane | 4.500 | 4.333 | 96 | 4.327 | 96 | 80-120 | 0 | 0-20 | | |
| Carbon Monoxide | 6.990 | 6.691 | 96 | 6.678 | 96 | 80-120 | 0 | 0-20 | | |
| Carbon Dioxide | 15.00 | 14.79 | 99 | 14.76 | 98 | 80-120 | 0 | 0-20 | | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Calscience

Quality Control - LCS/LCSD

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 03/07/15
Work Order: 15-03-0588
Preparation: N/A
Method: SCAQMD 25.1M

Project: 580 Market Place Shopping Center / Cardno ATC
Project #075.75354.0002

Page 7 of 7

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number | | | | |
|---------------------------|-------------|-----------|------------|---------------|----------------|-----------------------|-----|--------|------------|--|
| 099-12-194-817 | LCS | Air | GC 14 | N/A | 03/09/15 08:27 | 150309L01 | | | | |
| 099-12-194-817 | LCSD | Air | GC 14 | N/A | 03/09/15 08:48 | 150309L01 | | | | |
| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers | |
| Methane | 0.01000 | 0.009051 | 91 | 0.009377 | 94 | 80-120 | 4 | 0-20 | | |
| Carbon Dioxide | 0.01040 | 0.008877 | 85 | 0.009690 | 93 | 80-120 | 9 | 0-20 | | |
| Carbon Monoxide | 0.01010 | 0.008461 | 84 | 0.008792 | 87 | 80-120 | 4 | 0-20 | | |
| TGNMO | 0.03000 | 0.02726 | 91 | 0.02824 | 94 | 80-120 | 4 | 0-20 | | |

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Summa Canister Vacuum Summary

Work Order: 15-03-0588

Page 1 of 1

| Sample Name | Vacuum Out | Vacuum In | Equipment | Description |
|-------------|--------------|-------------|-----------|-------------------|
| IA1 | -29.80 in Hg | 0.30 psi | D909 | Summa Canister 6L |
| IA1 Dup | -29.70 in Hg | -3.80 in Hg | D632 | Summa Canister 6L |
| IA2 | -29.70 in Hg | -4.60 in Hg | D848 | Summa Canister 6L |
| IAV1 | -29.70 in Hg | -4.50 in Hg | D093 | Summa Canister 6L |
| IAV2 | -29.70 in Hg | -4.30 in Hg | D820 | Summa Canister 6L |
| IAA1 | -29.70 in Hg | -4.40 in Hg | D563 | Summa Canister 6L |
| OA1 | -29.70 in Hg | -3.50 in Hg | D851 | Summa Canister 6L |

Sample Analysis Summary Report

Work Order: 15-03-0588

Page 1 of 1

| <u>Method</u> | <u>Extraction</u> | <u>Chemist ID</u> | <u>Instrument</u> | <u>Analytical Location</u> |
|--------------------------|-------------------|-------------------|-------------------|----------------------------|
| EPA TO-15 | N/A | 953 | GC/MS K | 2 |
| EPA TO-15 SIM | N/A | 460 | GC/MS DD | 2 |
| GC/MS C6-C12 AS GASOLINE | N/A | 953 | GC/MS K | 2 |
| SCAQMD 25.1M | N/A | 834 | GC 14 | 2 |
| SCAQMD 25.1M | N/A | 834 | GC 65 | 2 |


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Glossary of Terms and Qualifiers

Work Order: 15-03-0588

Page 1 of 1

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

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

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

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



Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494

For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

AIR CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY
15-03-0588

DATE: 03/06/2015
PAGE: 1 OF 1

| | | | | | |
|---|---------------------------------|---|---|---------------------------|--|
| LABORATORY CLIENT: Cardno ATC | | CLIENT PROJECT NAME / NO.: 580 Market Place Shopping Center / Cardno ATC Project # 075.75354.0002 | | P.O. NO.: | |
| ADDRESS: 2400 Camino Ramon, Suite 360 | | PROJECT CONTACT: Gabe Stivala | | LAB CONTACT OR QUOTE NO.: | |
| CITY: San Ramon | STATE: CA | ZIP: 94583 | PROJECT ADDRESS: 3735-4065 East Castro Valley Boulevard | | SAMPLER(S): (PRINT) Vince Battaglia |
| TEL: (707) 766-2000 | E-MAIL: gabe.stivala@cardno.com | | CITY: Castro Valley | | STATE: CA |
| TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> STANDARD | | ZIP: 94552 | | REQUESTED ANALYSES | |
| EDD: <input checked="" type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER | UNITS: | | TO-15 Scan | | TPHg (C6-C12) by TO-15 |

***SCAQMD 25.1 = CO2, O2, and CH4 (% Volume)**
15 Scan includes VOCs (full scan), BTEX, chlorinated volatile organic compounds
***Report final vacuum readings**
***Reporting Limits - ug/m³**
***Report Lowest dilution possible**
***Global ID = T10000004345**

| LAB USE ONLY | SAMPLE ID | FIELD ID / POINT OF COLLECTION | MATRIX | | | SAMPLING EQUIPMENT | | | START SAMPLING INFORMATION | | | STOP SAMPLING INFORMATION | | | TO-15 Scan | TPHg (C6-C12) by TO-15 | CO ₂ , O ₂ , CH ₄ , Ar | TO-15 SIM |
|--------------|-----------|--------------------------------|---|----------|---------------------------|--------------------|----------|-----------------------|------------------------------|----------|-----------------------|------------------------------|---|---|------------|------------------------|---|-----------|
| | | | Indoor (I) Soil Vap. (SV) Ambient (A) | Media ID | Canister Size 6L or 1L | Flow Controller ID | Date | Time (24 hr clock) | Canister Pressure (in Hg) | Date | Time (24 hr clock) | Canister Pressure (in Hg) | | | | | | |
| 1 | IA1 | IA1 | I | D909 | 6L | FC160 | 3/4/2015 | 1531 | 30 | 3/5/2015 | 1350 | 3 | X | X | X | X | | |
| 2 | IA1 Dup | IA1 | I | D632 | 6L | FC314 | 3/4/2015 | 1531 | 30 | 3/5/2015 | 1350 | 5 | X | X | X | X | | |
| 3 | IA2 | IA2 | I | D848 | 6L | FC375 | 3/4/2015 | 1531 | 30 | 3/5/2015 | 1420 | 6 | X | X | X | X | | |
| 4 | IAV1 | IAV1 | I | D093 | 6L | FC262 | 3/4/2015 | 1532 | 31 | 3/5/2015 | 1344 | 4 | X | X | X | X | | |
| 5 | IAV2 | IAV2 | I | D820 | 6L | FC343 | 3/4/2015 | 1532 | 30 | 3/5/2015 | 1526 | 7 | X | X | X | X | | |
| 6 | IAA1 | IAA1 | I | D563 | 6L | FC171 | 3/4/2015 | 1533 | 30 | 3/5/2015 | 1358 | 5 | X | X | X | X | | |
| 7 | OA1 | OA1 | A | D851 | 6L | FC23 | 3/4/2015 | 1534 | 32 | 3/5/2015 | 1338 | 5 | X | X | X | X | | |

| | | | | |
|---|--------------|---|----------------|------------|
| Relinquished by: (Signature) <i>Vince Battaglia</i> | Date: 3/6/15 | Received by: (Signature/Affiliation) <i>Tom O'Malley ECI</i> | Date: 3/6/15 | Time: 0955 |
| Relinquished by: (Signature) <i>Tom O'Malley TOGSO</i> | Date: 3/6/15 | Received by: (Signature/Affiliation) <i>[Signature] ECI</i> | Date: 03/07/15 | Time: 0920 |
| Relinquished by: (Signature) | | Received by: (Signature/Affiliation) | Date: | Time: |

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6598

800-322-5555 www.gso.com

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5063 COMMERCIAL CIRCLE
#H
CONCORD, CA 94520

Tracking #: 527164508

SDS



Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

ORC
GARDEN GROVE

A

COD: \$0.00
Weight: 0 lb(s)
Reference:
CARDNO ERI
Delivery Instructions:

D92845A



Signature Type: REQUIRED

34981108

Print Date: 3/6/2015 1:24 PM

Package 1 of 2

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CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

ORC
GARDEN GROVE

A

COD: \$0.00
Weight: 0 lb(s)
Reference:
CARDNO ERI
Delivery Instructions:

D92845A



Signature Type: REQUIRED

34981109

Print Date: 3/6/2015 1:24 PM

Package 2 of 2

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Calscience

WORK ORDER #: 15-03- 0 5 8 8

SAMPLE RECEIPT FORM

Cooler 6 of 8

CLIENT: Cardno ATC

DATE: 03/ / 15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature _____ °C + 0.2 °C (CF) = _____ °C Blank Sample

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

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

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

Ambient Temperature: Air Filter

Checked by: 776

CUSTODY SEALS INTACT:

Cooler Box No (Not Intact) Not Present N/A Checked by: 776

Sample _____ No (Not Intact) Not Present Checked by: 965

SAMPLE CONDITION:

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

CONTAINER TYPE:

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

Aqueous: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Canister **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** 965

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 776

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{na}: ZnAc₂+NaOH f: Filtered **Scanned by:** 776

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APPENDIX F

FACT SHEET

Fact Sheet on Environmental Assessment

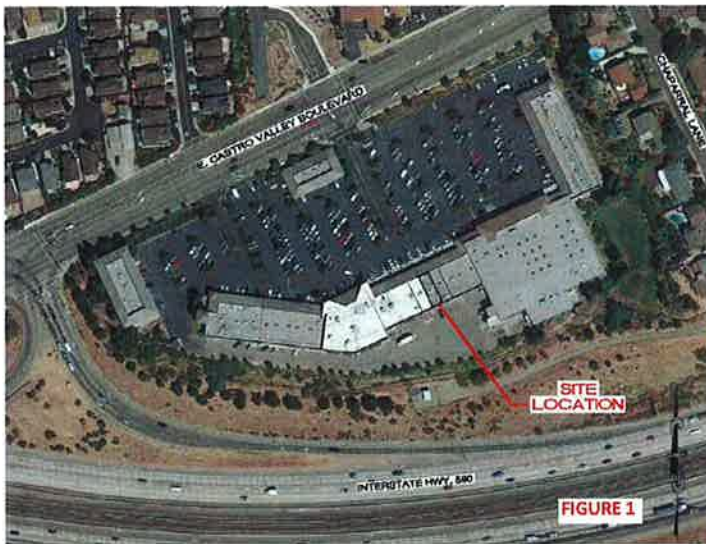
580 Market Place Shopping Center
3937 Castro Valley Boulevard,
Castro Valley, Alameda County
ACEH File No. RO0003097

This fact sheet is being provided to describe site background, past work to investigate site contamination, next steps, the oversight process for the site, and how you can obtain more information.

December 2014

Summary

The Alameda County Environmental Health Department (ACEH) is issuing this fact sheet to inform you of ongoing investigation work at the Dryclean 580 facility (site), which is located in the 580 Market Place Shopping Center, at 3937 East Castro Valley Boulevard, Castro Valley, California (Figure 1). The purpose of the investigation work is to gather more information on the nature and extent of contamination on site and, if necessary, off site. This fact sheet contains information concerning site background, results of recent investigations, and planned investigation activities, and information contacts. A glossary of certain terms also is included.



Current surrounding land use is commercial within the 580 Market Place Shopping Center.

Recent Investigation Activities

Environmental investigations were performed at the site from 1994 to 2014. The investigations identified the presence of PCE and its breakdown products (collectively known as volatile organic compounds (VOCs) in both soil and soil vapor at levels greater than applicable regulatory agency screening levels. The main VOCs of concern at the site consist of PCE, trichloroethene (TCE), and vinyl chloride. Additionally, petroleum hydrocarbons including benzene and naphthalene have been detected. Concentrations of these compounds exceeding applicable regulatory agency screening levels were found in soil vapor to a depth of 11 feet below ground surface (bgs) and in soil to a depth of 15 feet bgs. The presence of these chemicals at concentrations exceeding regulatory screening levels does not indicate that adverse impacts to human health or the environment are necessarily occurring, but rather that additional evaluation is warranted.

VOCs are able to move in the environment, from soil to groundwater, from groundwater to soil, and from groundwater or soil to air. The groundwater in this area is not used for drinking water or other household/industrial purposes. Of particular interest is the potential for movement of VOCs into the inside of buildings where people could be exposed to contaminated indoor air. This process is called vapor intrusion into indoor air.

The data indicate that the highest concentrations of PCE in soil vapor and soil occur in an area near the back side (south side) of the facility, and extend beneath the two immediately adjacent shopping center units as well as a portion of the rear parking/loading area. Soil vapor data collected along sewer laterals indicate the possibility that contamination has migrated along these pathways.

Background

The subject site is an active dry cleaning facility located within the 580 Market Place Shopping Center, north of Interstate 580, southeast of East Castro Valley Boulevard, and west of Chaparral Lane in the City of Castro Valley. The site was developed as part of a 10.21 acre retail shopping center in 1990. Dryclean 580 has operated at 3937 East Castro Valley Boulevard since 1990. From 1990 to at least 1997, the dry cleaning equipment used the chlorinated dry cleaning chemical tetrachloroethene (PCE) or 'perc'. As early as the year 2000, the dry cleaning at the site discontinued the use of PCE as a solvent and replaced it with a non-chlorinated hydrocarbon-based solvent.

Fact Sheet on Environmental Assessment

3937 Castro Valley Boulevard, Castro Valley

December 2014

February 2014. Following the additional investigation, some cleanup may be needed.

If cleanup appears to be necessary, a Corrective Action Plan (CAP) will be prepared, and another fact sheet will be mailed before additional work is started.

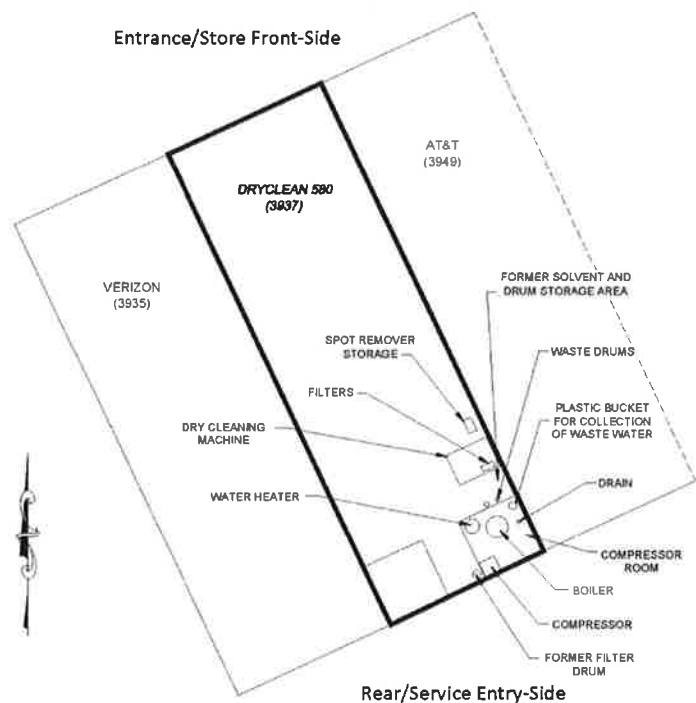


FIGURE 2

Next Steps

Because more information is needed, an investigation is currently being planned to further delineate the extent of VOCs in soil, soil vapor, subslab gas, and indoor air at the site. This investigation will include collection subsurface samples including soil vapor, soil and groundwater samples vicinity of the Dryclean 580 and neighboring units (Figure 2). Vapor monitoring wells may also be installed to allow for evaluation of concentration trends over time. Also, indoor air samples will be collected from the dry cleaning facility and the adjacent neighboring units to evaluate vapor intrusion risks.

Timeline

As noted above, additional investigation is currently being planned. A work plan for the work is being reviewed by the ACEH as of December 2014. It is anticipated that field work may be implemented in late December 2014 or early as January 2015 and a report documenting the results will be completed in the

Glossary of Terms

Soil Vapor—Soil vapor refers to the air that is present in the open spaces between soil particles between the ground surface and the water table. It includes air (primarily oxygen and nitrogen, like above ground), water vapor, and occasionally pollutants.

Subslab Gas—Subslab gas refers to the air that is present in the open spaces between soil particles and backfill material immediately beneath a building slab. It includes air (primarily oxygen and nitrogen, like above ground), water vapor, and occasionally pollutants.

Volatile organic compounds (VOCs)—VOCs are organic liquids, including many common solvents that readily evaporate at temperatures normally found at ground surface and at shallow depths. Many VOCs are known human carcinogens. Examples of VOC usage include dry cleaning solvent, carburetor cleaner, brake cleaner, and paint solvents.

How to Get More Information

We invite you to comment on this project. All written and verbal comments received by Alameda County Environmental Health will be considered if received by January 2, 2014.

There are several ways that interested parties will be informed of future work. First, information repositories are being established where reports, data, work plans, and other materials can be viewed. One is the Alameda County Environmental Health Department's website at <http://www.acgov.org/aceh/index.htm>, where the electronic files for the case are available on-line.

Fact Sheet on Environmental Assessment

3937 Castro Valley Boulevard, Castro Valley

Page 3

December 2014

For More Information

Please contact any of the following individuals with any questions or concerns you may have:

Karel Detterman, ACEH Case Manager
510-567-6708, karel.detterman@acgov.org

Gabe Stivala, Cardno ATC, Environmental Consultant,
916-386-3870,

Fact Sheet on Environmental Assessment

3937 Castro Valley Boulevard, Castro Valley

Page 4

December 2014

APPENDIX G

BUILDING SURVEY AND INDOOR AIR MONITORING FORMS

APPENDIX L - BUILDING SURVEY FORM

Preparer's Name: JB Bobbitt Date/Time Prepared: 02/25/2015
Affiliation: CARDINO ERI Phone Number: 707 338 8004

Occupant Information

Occupant Name: DRY CLEAN SFO Interviewed: Yes No
Mailing Address: 580 MARKET PLACE CENTER
City: CARDINO VALLEY State: CA Zip Code: _____
Phone: _____ Email: _____

Owner/Landlord Information (Check if same as occupant)

~~Occupant~~ Name: WEIN GARDEN REALTY INVESTOR Interviewed: Yes No
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Email: _____

Building Type (Check appropriate boxes)

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

Building Characteristics

Approximate Building Age (years): _____ Number of Stories: 1
Approximate Building Area (square feet): _____ Number of Elevators: 0

Foundation Type (Check appropriate boxes)

- Slab-on-Grade Crawl Space Basement

Basement Characteristics (Check appropriate boxes)

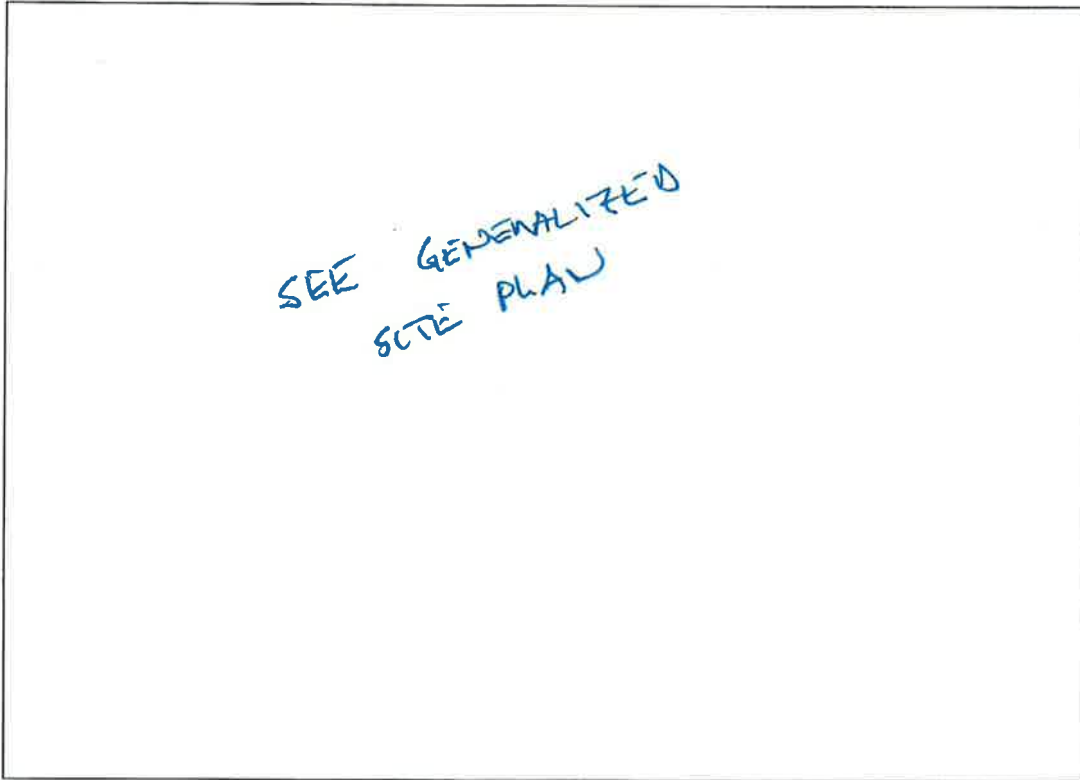
- Dirt Floor Sealed Wet Surfaces Sump Pump Concrete Cracks Floor Drains

Factors Influencing Indoor Air Quality

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

Sampling Locations

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



Primary Type of Energy Used (Check appropriate boxes)

Natural Gas Fuel Oil Propane Electricity Wood Kerosene

Meteorological Conditions

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

CALM ; SUNNY

General Comments

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

HVAC not operated; open back door caused

APPENDIX M – BUILDING SCREENING FORM

Occupant of Building DRY CLEAN 580
 Address 580 MARKET PLACE CENTER
 City CASTRO VALLEY, CA
 Field Investigator J. B. BOBBETT Date 02.25.2015

| Field Instrument Reading | Measurement Location (Ambient Air, Foundation Opening, or Consumer Product) | If Consumer Product, Potential Volatile Ingredients |
|--------------------------|---|---|
| --- | STREE PRO 12 oz bottle Blood, egg, pos peration | |
| --- | RUST GO 12 oz bottle corrosive - poison hydrofluoric acid; ammonia bisulfide | |
| 2-4 ppm | Fulton Boiler work - spray paint xylene propylene petroleum solvent benzene butane | |
| --- | Yellow GO Dye Stripper 1 qt titanium sulfate sulfuric acid citric acid ammonium bisulfide | |
| --- | CALED TEFLOX 1 gal | |

Comments:
BACK DOOR KEPT OPEN; no obvious hc odor
AMBIENT AIR: 4-8 ppm PLD

APPENDIX M – BUILDING SCREENING FORM

Occupant of Building Dry clean 580
 Address 580 Market Place Center
 City CASTRO VALLEY, CA
 Field Investigator J. B. Bobbitt Date 2.25.2015

| Field Instrument Reading | Measurement Location (Ambient Air, Foundation Opening, or Consumer Product) | If Consumer Product, Potential Volatile Ingredients |
|--------------------------|--|---|
| 4-10 ppm | CALED Hydroclean P.O.G. Dry side POG for hydrocarbon solvent hexane cyclohexane 2-4 methyl pentanediol petroleum hydrocarbon | |
| 4-10 ppm | STREETER Spray Spotter 1 gal --- cleaner's Supply Slick Rail Cleaner for vegetable wax, nat. wax K ₂ O, ammonium hydroxide | |
| 4-6 ppm | Rodex anti-friction silicon spray propane, butane, heptane polydimethyl siloxane | |
| --- | Ex-It Odor Control Fabric Softener iso propyl, citraol | |
| --- | Bright Line spot out 1 gal 3% elemental phosphorus | |

Comments:

APPENDIX M – BUILDING SCREENING FORM

Occupant of Building Dry Clean 580
 Address 580 Market Place Center
 City CATRO VALLEY CA
 Field Investigator J B Bobbitt Date 2-25-2015

| Field Instrument Reading | Measurement Location (Ambient Air, Foundation Opening, or Consumer Product) | If Consumer Product, Potential Volatile Ingredients |
|--------------------------|--|---|
| 12- (8 ppm) | Exxon DP 200 2 5 gal drums (naphtha) | |
| --- | 2-1 Formule | |
| --- | SSS Silk spotter oily base POG | |
| --- | Agasrol neutral lubricant | |
| --- | Leveler leveling Agent | |
| --- | Devour enzyme digester | |
| --- | SPackle | |
| --- | Formule 409 | |
| 6-8 ppm | WD-40 | |
| --- | Böve k-25 | |
| --- | Unipress, Urinisc | |
| --- | Bleach | |
| --- | Ammonia | |
| --- | Ajex | |
| --- | organic hand cleanser | |

Comments:
