

**ACDEH RESPONSIVE ENVIRONMENTAL INVESTIGATION AND
REQUEST FOR NO FURTHER ACTION
Former Dry Cleaners (T10000011188)
305 and 307 63rd Street; and 6251, 6253, and 6255 College Avenue, Oakland, CA
94618**

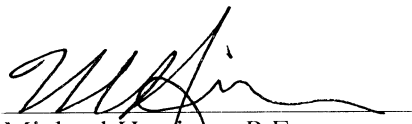
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EXECUTIVE SUMMARY

EnviroAssets, Inc. (“EnviroAssets”) is pleased to provide the following report of the soil, soil vapor, sub-slab vapor, and groundwater investigation, and a request for No Further Action for the property at 305 and 307 63rd Street; and 6251, 6253, and 6255 College Avenue (“Subject Property”). The investigation was conducted consistent with the *ACDEH Responsive Environmental Investigation Workplan* (EnviroAssets, February 28, 2018) which addressed the requests for new soil, soil vapor, sub-slab vapor and groundwater data communicated by Ms. Roe of the Alameda County Department of Environmental Health (“ACDEH”) during a January 29, 2018, meeting. As requested, in addition to the soil, soil vapor, sub-slab vapor, and grab groundwater data, the investigation included a utility survey of the alleyway between the Subject Property and 309 63rd Street (attached) and video surveys of the sanitary sewer inside of 307 63rd Street and the sanitary sewer and storm sewer in the alleyway between 307 and 309 63rd Street.

The results of the ACDEH Responsive Environmental Investigation and historical data for the Property vicinity support our request for No Further Action at the Property as follows:

- Identified concentrations of chemicals of concern – chlorinated solvents related to historical dry cleaning operations or chlorinated volatile organic compounds (“CVOCs”) - are below current guidance concentrations provided by the Regional Water Quality Control Board (“Water Board”) for commercial property (environmental screening levels or “ESLs”) and State and Federal drinking water standards (maximum contaminant level or “MCLs”). The Water Board intends the ESLs to be conservative so that sites where “concentrations of a limited number of contaminants are well below their respective ESLs”¹ can be screened out from “additional site investigation, remedial action or a more detailed risk assessment”². Drinking water standards, MCLs, are also included in the ESL guidance and are assumed to be safe for daily consumption of water from drinking water systems – and are therefore additionally conservative for the shallow groundwater at the Subject Property which is not currently used for drinking water. As can be inferred from these standards and guidelines, “significant” is meant to refer to a level of risk that would require additional evaluation or remediation. Based on these regulatory criterion, the Subject Property does not pose a significant threat to human health, water resources, or the environment.

¹ Water Board, User’s Guide: Derivation and Application of Environmental Screening Levels (ESLs), Interim Final 2016

² Ibid

- Samples collected proximate to the historically important “potential release mechanisms and sources”³ including the former equipment location, sewer lines, and the waste storage area, did not identify impacts above conservative screening levels.
- Based on these data, there is no evidence indicative of a significant release at the Property.
- Additionally, samples located proximate to potential source areas and the Property boundaries demonstrate that contamination migration is not a significant concern.

Furthermore, these data in context of the comprehensive dataset of soil vapor and groundwater data associated with the identified release(s) from the former dry cleaning area, and rear storage area and sewer lateral at 6235-6239 College Avenue (CCV Property) demonstrate concentration gradients that are opposite what would be anticipated if the Subject Property was an upgradient source of the contamination at the CCV Property. Additionally, concentrations of CVOCs proximate to potential release mechanisms and sources at the CCV Property (including former equipment areas, sewer lines and associated clean-outs, and storage areas) demonstrate conclusively that the source of elevated impacts at the CCV Property is the release(s) at the CCV Property itself. Therefore, no further action is warranted at the Subject Property

³ SCVWD, *Study of Potential for Groundwater Contamination from Past Dry Cleaner Operations in Santa Clara County*, September 2007



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1.0 SUBJECT PROPERTY DESCRIPTION

The Property is an approximately 0.7 acre parcel (APN 48A-7069-7) zoned for mixed use and developed with commercial spaces on the first floor and residential apartments on the second and third floors occupying the southwest corner of 63rd Street and College Avenue in Oakland, California (Figure 1).

2.0 REGULATORY HISTORY AND INVESTIGATION SUMMARY – SUBJECT PROPERTY

The Subject Property is currently considered a non-case⁴. In May 2017, the ACDEH notified the owners of the Subject Property that it would host a meeting of responsible parties and neighbors of the Red Hanger Kleaners site at 6235-6239 College Avenue (CCV Property) on May 24, 2017. During the meeting on May 24th, and as documented in its letter of May 24, 2017, the ACDEH communicated to the representatives of the Subject Property that its “primary concern is the potential health risk due to exposure from VOCs via vapor intrusion to indoor air”⁵ and requested a work plan to “evaluate sub-slab/soil gas conditions at your property”. As discussed in detail in the following sections, concentrations of CVOCs in sub-slab and soil vapor are below current commercial ESLs and do not pose a significant health risk due to exposure from VOCs via vapor intrusion to indoor air.

In response to the ACDEH, on May 26, 2017, EnviroAssets submitted a *Screening Subslab Vapor Survey* workplan. The workplan objectives were to “support rapid decision making regarding potential threat to indoor air during the time period where retrofit activities are ongoing and access to the building foundation is maximized” by installing slab-penetrating vapor pins® from tenant spaces where the building slab had been retrofitted (6251, 6253, and 6255 College) and where the slab was undisturbed (307 63rd Street). A handheld PID was proposed to screen subslab vapor concentrations versus a concentration of 544 ppbv, corresponding to the commercial properties ESL⁶ of 2,100 µg/m³. Desiccant tubes were proposed for use with the PID in order to minimize the confounding effect of sub-slab moisture on PID readings.

On June 5, 2017, EnviroAssets submitted the *Screening Subslab Vapor Survey* report (“Screening Survey”) to the ACDEH summarizing the May 31, 2017, sub-slab vapor survey. During the May 31st survey, four vapor pins were installed consistent with the May 26th workplan (Figure 2). Two of the vapor pins (VP-3 and VP-4, were installed within ten feet of the former location of dry cleaning equipment in 6251 and 6253 College Avenue; identified based upon anecdotal recollections of owners of the Subject Property. Vapor pins VP-1 and VP-4 were also installed within three feet of the Subject Property sanitary sewer line. Based on the lack of detectable organic vapor by handheld PID described in the Screening Survey as “proximate to the estimated location of the historical dry cleaning equipment and garbage can storage area, near the historical and current sewer lateral, and beneath both new and original foundation

⁴ http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000011188

⁵ ACDEH, letter to Dan and Harry Bouzos, May 24, 2017

⁶ Environmental Screening Levels, Regional Water Quality Control Board – San Francisco, February 2016, Rev. 3.



slabs”, the Screening Survey concluded “the data suggests that the Property is neither a source of a release of CVOCs to the environment nor has it been significantly impacted by contamination identified proximate to the Property and migrating from the College Claremont Property”.

In July 2017, LRM installed a shallow groundwater monitoring well (MW-1, screened from 17-27 feet bgs), and dual-depth vapor well SG-12 (set to 7- and 15-foot bgs) at the southwestern corner of the Subject Property. The area where MW-1 and SG-12 were installed is the downgradient edge of the Subject Property - as the shallow groundwater gradient has been established to flow to the southwest (LRM, 9/27/2017)-, and at the garbage can/waste storage area of the Subject Property. Soil samples collected by LRM during installation of MW-1 at 5, 15, and 25-foot bgs were not detected for PCE, and no indications of contamination were observed by LRM in its continuously cored boring. PCE was also not detected in the 7-foot bgs vapor well at SG-12. PCE was detected at concentrations more than 500 times below commercial ESLs in soil vapor collected near the groundwater capillary fringe (SG-12-15 at 15-foot bgs) and first encountered groundwater; at 3.9 µg/m³ and 1.2 µg/L, respectively

On December 20, 2017, the ACDEH transmitted a *Request for Site History Information* to the Subject Property owners. This request, and the status of investigations at the Subject Property and the neighboring property were discussed during a January 29, 2018, meeting between the ACDEH and representatives of the Subject Property. During that meeting, Ms. Roe expressed that additional sampling was needed to confirm that the Bouzos property, a non-case, should not be entered into the voluntary clean-up program.

During the January 29, 2018, meeting, the participants collaboratively scoped an additional investigation that included sample locations distributed near potential release mechanisms and sources and down-gradient property boundaries in order to identify if an on-site environmental problem existed. Consistent with the collaboratively scoped investigation, on February 28, 2018, EnviroAssets submitted an *ACDEH Responsive Environmental Investigation Workplan* on behalf of the Subject Property owners that proposed to: 1) Collect samples of soil, soil gas, and groundwater from two locations and at multiple depths within the 307 63rd Street tenant space during seismic retrofit activities; 2) Collect a shallow soil gas sample on the Subject Property within the small limited access area between 6251 College Avenue and 6241-47 College Avenue; 3) collect sub-slab vapor samples from three existing vapor pins installed beneath 6251, 6253, and 6255 College Avenue; and 4) perform a video survey of Subject Property sanitary sewers and a utility survey of the alleyway to the west of the Subject Property building. Subsequently, it was decided to also collect a sub-slab vapor sample from the vapor pin located within the 307 63rd street tenant space prior to puncturing the building slab for sampling or retrofit activities.

On February 28, 2018, Paladin Law Group provided a *Response to Request for Site History Information* on behalf of the Subject Property owners.

On April 6, 2018, EnviroAssets submitted a *Data Update - ACDEH Responsive Environmental Investigation* providing a summary of investigation work conducted consistent with the February

28th workplan. The shallow soil gas sample proposed for within the unpaved small limited access area between 6251 College Avenue and 6241-47 College Avenue, was not submitted with this summary because it had to be delayed due to rainfall. The April 6th update observed that the soil, soil vapor, sub-slab vapor, and groundwater data collected at the Subject Property are all below applicable regulatory guidance and drinking water standards.

As further discussed below, the remaining soil vapor sample proposed in the *ACDEH Responsive Environmental Investigation Workplan*, the shallow soil vapor sample in the small limited access area between 6251 College Avenue and 6241-47 College Avenue, was collected on May 14, 2018. This sample was found to contain 10.74 µg/m³, which is well below the applicable commercial (or for that matter, residential) soil vapor ESL.

3.0 REGULATORY HISTORY AND INVESTIGATION SUMMARY – NEIGHBORING PROPERTY (CCV PROPERTY)

Investigations conducted at the property to the south and southwest of the Subject Property – 6235-6239 College Avenue (the CCV Property) – have documented CVOC contamination in soil, sub-slab and soil vapor, and groundwater. Concentrations of CVOCs in groundwater have been observed an order of magnitude higher than MCLs, as high as 48 µg/L (SB1) and 56 µg/L (B10). Soil vapor samples collected prior to soil vapor extraction system operation within 30-feet of potential release mechanisms and sources at the CCV Property, including the former dry cleaning equipment area and rear storage area and sewer lateral, have been as high as 61,000 µg/m³ in shallow soil gas (SG6-7) and 120,000 µg/m³ in deep soil gas (SG2-17) and every sample collected within 30-feet of the dry cleaning area, and rear storage area and associated sewer lateral has contained PCE at concentrations well above Subject Property concentrations and associated regulatory screening levels. Consultants for the CCV Property have observed that the pattern of impacts at the CCV Property are associated with potential release mechanisms and sources at the CCV Property, including sewer cleanouts, former equipment locations, and property boundaries opposite from those most proximate to the Subject Property

In 2005, regulatory engagement was initiated at the property to the south and southwest of the Subject Property – 6235-6239 College Avenue (the CCV Property) when a Phase I investigation was performed. Subsequent investigations at the CCV Property have identified elevated soil vapor concentrations of PCE and PCE concentrations in groundwater above MCLs proximate to the former dry cleaning equipment area within the 6235 College Avenue building and its associated sewer lateral that traverses the property from the building's back door north to 63rd Street, and the storage and delivery area behind the cleaning area. Video surveys of the sewer line have identified multiple breaks in the sewer lateral. The following summary of investigations and regulatory engagement at the CCV Property is abridged and substantially excerpted from the GeoTracker⁷ Site History page.

⁷ https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000416



Following the Phase I, that identified Recognized Environmental Conditions associated with a former gasoline underground storage tank (UST) and historical dry cleaning activities that had been conducted since 1987, a Phase II investigation was conducted by AEI Consultants (“AEI”) at the CCV Property in May 2005. During the AEI May 2005 Phase II investigation, a gasoline UST was not identified. However, the dry cleaning solvent tetrachloroethylene (“PCE”) was identified in soil samples advanced in the dry cleaning machine area at concentrations up to 0.26 mg/Kg, and in groundwater samples at concentrations up to 48 µg/L at SB1 in the southwestern portion of the property. AEI concluded that “a small release of PCE has occurred in the area of the dry cleaning facility at the [CCV Property] site”.

In June 2005, EFI Global (“EFI”), collected “one grab groundwater sample (SB6) directly down gradient of the dry cleaning units at the [CCV Property]”. Based on the detection of PCE at 15 µg/L in the groundwater sample collected from SB6, EFI requested a No Further Action determination from the Oakland Fire Department as it concluded the “concentrations of PCE appear to be low and not of significant concern at this time”.

On July 15, 2005, the Oakland Fire Department issued a letter stating that it would not require further action for the site as the soil concentrations found at the site were below ESLs for commercial properties but that “it is a recommendation that additional site characterization be accomplished should the use of the property changes [sic.]”.

In May 2008, P&D Environmental collected soil and groundwater samples at locations B-7 and B-8 located north of the former dry cleaning area between 6241 and 6235 College Avenue (B7) and 6235 College Avenue and 309 63rd Street (B8). A report of this sampling was not identified on GeoTracker, however the web site noted that PCE was detected in soil in boring B-7 at 3 feet bgs at a concentration of 0.0078 mg/Kg and that PCE was detected in groundwater at a maximum concentration of 12 µg/L from B-7. No results or boring log were identified for boring B-9, although it is on the P&D map.

In October and December 2009, ERM performed soil and groundwater sampling from downgradient of the dry cleaning machines and near the UST area. PCE was detected at a maximum concentration of 0.010 mg/Kg from 6.5 feet bgs from soil borings collected in the building interior. Soil samples collected from 25 and 30 feet bgs were below the detection limit. Groundwater was collected from outside the building with the maximum concentration of PCE detected at 1.9 µg/L.

On January 15, 2009, the Alameda County Environmental Health Services Agency issued a request for a work plan to further investigate the CCV Property noting the concentrations of PCE “detected in both soil and groundwater”.



On January 20, 2010, ERM issued a *2009 Site Characterization Summary Report*, reporting results from four soil borings (A-1, A-2, AD-3, and AUST-6) and groundwater samples collected from A-1, A-3, and AUST-6. In soil and groundwater samples, PCE was detected at concentrations up to 10.6 µg/Kg (A-2 at 6.5 feet bgs), and up to 1.9 µg/L at AD-3, respectively. Based on these data, ERM recommended no further action for the CCV Property.

In June 2010, ERM submitted a *Well Survey Report*, which concluded that the 26 wells within ¼-mile of the CCV Property were unlikely to be “1) potential receptors of groundwater flowing beneath the [CCV Property]; or 2) conduits to influence groundwater migration from the [CCV Property]”.

A soil vapor survey and screening level risk assessment was performed by EFI Global in January 2013. Four soil gas samples (and one duplicate) were collected in December 2012. PCE was reported in all four samples with concentration ranging from 200 µg/m³ to 11,000 µg/m³. This report was not identified on GeoTracker.

During 2014 a variety of correspondence regarding removal of dry cleaning machines describes a breakdown of communication with the ACDEH resulting in decommissioning of dry cleaning machinery without requested regulatory oversight, culminating on September 29, 2014, with the removal of “the one remaining dry cleaning machine”⁸.

On July 27, 2015, Youngdahl submitted a *Phase II Environmental Site Assessment Soil gas Investigation report*, which documented 11 soil gas samples collected at the depth of 5 feet bgs, 3 sub-slab soil gas samples collected from beneath the building slab, and 7 air sample (5 indoor air and 2 background). All soil gas samples were reported to contain concentration of PCE, ranging from 250 µg/m³ to 24,000 µg/m³ for the 5-foot soil gas samples and 610 µg/m³ to 5,200 µg/m³ for the sub-slab samples. The report noted that “The highest concentration of PCE in soil gas was found at the sewer cleanout” and that “[t]he highest concentration PCE in the subslab samples was found near the former location of the dry cleaning machines next to a crack in the slab”. It was noted the dry cleaner had vacated the premises and the suite was vacant.

In July 2016, P&D Environmental published a *Site Investigation and Soil Vapor Extraction Report*, summarizing installation and sampling of soil gas wells SG1 through SG10 in the fourth quarter of 2015, and start up of a soil vapor extraction (“SVE”) system on June 10, 2016. Eight soil gas wells were installed to 7-feet bgs and six to 17-feet bgs. A vapor pin (VP1) was also installed by P&D. PCE was detected in shallow (7-feet bgs) soil gas samples at concentrations up to 61,000 µg/m³ (SG6-7). In deeper samples (17-feet bgs) the maximum detected concentration

⁸ Email from Keith Nowell to Patrick Ellwood and George Kong, September 29, 2014

was 120,000 µg/m³ (SG2-17). The report concluded that “the highest concentrations of PCE soil gas were consistently detected in the vicinity of the sanitary sewer pipe immediately to the north of the former Red Hanger Kleeners store, with the highest PCE shallow soil gas concentration detected immediately to the south of the sanitary sewer cleanout and the highest deep soil gas concentrations detected adjacent to and immediately downgradient of the sanitary sewer cleanout”. Recommendations by P&D included continuous operation of the SVE system and completion of the delineation of the extent of PCE in groundwater.

On September 27, 2017, LRM Consulting Inc., submitted a *Supplemental Remedial Investigation Report* which described installation and sampling of six groundwater monitoring wells (MW-1 through MW-6), four vapor monitoring wells (SG-12-7, SG-12-15, SG-13-7, and SG-13-14), and sampling of seven existing vapor wells. LRM concluded that “PCE occurs primarily in soil vapor, with limited residual impacts occurring in groundwater and sporadic detections in soils near the groundwater potentiometric surface” and that “PCE remains at above relevant ESLs at various existing vapor monitoring locations on the 6235-6239 property” with the peak concentration of PCE located “along the western boundary of the 6235-6239 College Ave., property”. LRM observed that concentrations of PCE in soil vapor have been observed to decline over time with “the largest declines in PCE soil vapor concentrations appear to occur at or near locations where SVE operations have been in effect since June 2016” while “Lesser reductions occur along the norther portion of the site, along the 309 63rd Street property”. LRM also recommended partial shut-down of the SVE system, “semi-annual vapor sampling from all existing wells” beginning in December 2017, and “[t]wo additional rounds of groundwater monitoring at newly installed monitoring wells are also recommended; one in February 2018 and the second in August 2018, providing data to help confirm the preliminary conclusion stated herein that groundwater impacts across the various properties remain insignificant and do not warrant remediation”.

4.0 HYDROGEOLOGY

The site is located in the City of Oakland, within the Coast Ranges Geomorphic province and underlain by Holocene age fluvial and alluvial fan deposits described as brown or tan, medium dense to dense, gravely sand or sandy gravel that generally grades upward to sandy or silty clay⁹. During the March 2018 investigation, EnviroAssets observed silty sand in the shallow subsurface, extending to between 12 and 13-feet bgs, where it transitioned to sandy silt to a depth of 24-feet bgs interspersed with approximately one foot thick very moist to wet zones. Boring logs are attached. This is generally consistent with soil conditions encountered during the

⁹ Youngdahl, *Phase II Environmental Site Assessment Soil Gas Investigation Work Plan*, October 21, 2014 citing the Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California, by R.W. Graymer, United States Geological Survey, 2000.

installation of six groundwater monitoring wells on the Subject Property and the adjacent CCV Property by LRM Consulting, Inc., in July and August 2017¹⁰. LRM noted fine grained silts and clays to depths of 29-feet bgs and encountered gravel-sand mixtures in two borings ranging from 4 to 14 feet in thickness. While drilling the six groundwater monitoring wells, groundwater was encountered at depths ranging from 17 to 24-feet bgs and stabilized several days later at depths ranging from 16.15 to 17.8-feet bgs, indicating that groundwater beneath the Subject Property and adjacent properties is present under semi-confined conditions.

5.0 SEISMIC RETROFIT

Seismic retrofit of 6251, 6253, and 6255 College Avenue has been completed, and the spaces are occupied by a nail spa business (6251), a coffee shop (6253) and coffee shop (6255). Seismic retrofit is underway in the 307 63rd Street space. Retrofit activities include demolition of building interiors and constructing a supporting foundation and space frame to provide seismic reinforcement for the building. Per discussions with the owner/builders, during the retrofit work the historical building slabs and approximately 12-inches of soil were removed to make room for a new building slab. The new slab was constructed with 5-inches of concrete foundations over approximately 4-inches of gravel and two inches of sand, with additional or extended footings also constructed within the building. A moisture barrier was used to separate the materials.

During the retrofit activities, the Property sewer lateral was replaced beneath 6251 and 6253 in the first quarter of 2017. During the sewer replacement work beneath 6251 and 6253, the Property sewer lateral was removed by excavation and observed by its owners¹¹ to be in good condition and constructed of cast iron, at approximately five to six feet below grade. No connections to other properties or sewer piping external to the building were observed. Furthermore, no breaks or penetrations were observed. Sewer connections for 6253 and 6255 College collect on the west wall and connect to the Property lateral at the southwest wall of 6253 College within the new portion of the sewer lateral. During retrofit of 307 63rd Street in March 2018, the remaining and final portion of the sewer lateral was replaced beneath the 307 63rd Street space and connecting with the city sewer main in 63rd Street was replaced by pipe bursting. Pipe bursting was chosen to minimize the soil disturbance caused by trench excavating methods proximate to the footings in the area¹².

6.0 INVESTIGATION SCOPE AND APPROACH

6.1 Utility Location Survey and Video Survey

Before the start of the subsurface investigation, Subtronic Corporation was subcontracted by EnviroAssets to perform a utility survey of 307 63rd Street and the alleyway between 307 and 309 63rd Street on March 13, 2018. The utility survey drawing depicting locations, depths,

¹⁰ LRM, *Supplemental Remedial Investigation Report*, September 27, 2017

¹¹ Conversation with Harilaos and Dan Bouzos

¹² Ibid

diameters, and utility type provided by Subtronic of the alleyway between the Subject Property and 309 63rd Street is attached as Figure 3. C. Cruz Sub Surface Locators, Inc., performed a video survey of the sanitary sewer inside of 307 63rd Street and of the sanitary sewer and storm drain in the alleyway between 307 and 309 63rd Street on March 20, 2018. Both the Subtronic and C. Cruz surveys identified the presence of a sanitary sewer line running from the south side of 309 63rd Street northeast and turning northwest and running down the alleyway between 307 and 309 63rd Street across the sidewalk and to the middle of 63rd Street where it intersects the main sanitary sewer line. Neither the Subtronic nor the C. Cruz surveys identified the presence of the sanitary sewer line depicted on Figure 1 of LRM's September 27, 2017 *Supplemental Remedial Investigation Report*¹³ (Attachment A) running from beyond the south side of 309 63rd Street northeast beyond the alleyway between 307 and 309 63rd Street beneath 6251 College Avenue and out to College Avenue.

The video survey of the sanitary sewer line running from the south side of 309 63rd Street northeast and then turning northwest and running down the alleyway between 307 and 309 63rd Street identified that the sanitary sewer line was constructed of approximately 2-foot long sections of clay pipe with extensive plant roots in the joints of the pipe from the cleanout behind 309 63rd Street all down the alleyway to 63rd Street. All of the pipe joints appeared to be compromised. Two breaks were identified in the sanitary sewer line: one beneath the sidewalk on the south side of 63rd Street and the other beneath the southern traffic lane on 63rd Street before the connection with the main sanitary sewer line.

The video survey of the storm drain running down the alleyway between 307 and 309 63rd Street and daylighting in the curb on the south side of 63rd Street identified that the storm drain was constructed of approximately 10-foot sections of cast iron pipe and appeared to be in good condition.

The video survey of the sanitary sewer line from the rear (west end) of 6251 College Avenue and running northwest beneath 307 63rd Street and to the middle of 63rd Street where it intersects the main sanitary sewer line was completed before retrofit of the portion of the sewer line running beneath 307 63rd Street and connecting to the sewer main in the Street. The video identified that the sanitary sewer line was constructed of cast iron pipe and was in good condition up to the northeast portion of 307 63rd Street. At this location within the building, the sewer line transitioned to approximately 2-foot long sections of clay pipe with extensive plant roots in the joints of the pipe leading all the way to the middle of 63rd Street where it intersected the main sanitary sewer line. The pipe joints in the clay pipe appeared to be compromised. There are two-45-degree bends as the clay pipe leads towards 63rd Street. This section of pipe was subsequently replaced by the Property owners during the seismic retrofit with pipe bursting and

¹³ Op. cit., LRM 2017

HDPE pipe. It is notable that this section of pipe is proximate and up-gradient of sampling locations B15, B15V, B16, and B16V that did not identify significant contamination in soil, soil vapor, or groundwater.

6.2 Boring Permitting

EnviroAssets obtained boring permits from Alameda County Public Works Agency (ACPWA) prior to commencing temporary vapor probe, soil, and groundwater sampling field activities on March 15 and 16, 2018 and May 14, 2018 (Attachment B). An inspector from ACPWA was present on-site to witness the sealing of the borings with neat cement grout.

Due to the delay in sampling from the unpaved limited access location at B21, an additional boring permit was required by the ACPWA. On May 14, 2018, EnviroAssets installed one temporary soil vapor probe at a depth of 5.5 feet bgs at location B21. An inspector from ACPWA was present on-site to witness the sealing of the boring with Portland cement grout.

6.3 Photoionization Detector (PID) Screening

Photoionization detector (PID) screening was conducted during the investigation. PID screening is understood as qualitative tool “designated for initial screening of soil, soil gas, and groundwater by providing a "yes/no" indication of contamination”¹⁴. The screening supports qualitative analysis by fixed laboratories and may be used to indicate whether samples are suitable for the "low concentration" or “high concentration" procedures in SW-846. PID screening is considered a qualitative tool because it does not measure specific constituents, is sensitive to water vapor, and “may not always be consistent because of the lack of sample control and inherent method variability”¹⁵. Professional experience has shown that PIDs can indicate unreliable results by failing to provide stable results or reproducible readings.

During the March 14, 15, and 16, 2018, investigation work, EnviroAssets used a RAE 3000 PPB Photoionization Detector (PID) in an effort to screen soil vapor beneath the concrete slab, in sub-slab vapor samples collected from vapor pins, in soil vapor collected from temporary vapor probes, and of soils from borings. However, the PID meter malfunctioned and recorded unstable and highly variable readings that did not accurately reflect field conditions based on their inconsistency with the non-detect and extremely low readings measured by Fugro Consultants, Inc., personnel using a Multi Rae Plus PPM RAE-10 PID meter and as confirmed by samples analyzed by quantitative fixed lab methods. Therefore, PID readings measured by EnviroAssets are not reviewed in this report. It is important to note that accurate PID readings can be used as a field screening tool, but the data provided by certified laboratories for soil vapor, sub-slab vapor,

¹⁴ US EPA, *Expedited Site Assessment Tools For Underground Storage Tank Sites A Guide For Regulators*, October 2016 (EPA 510-B-16-004)

¹⁵ Ibid

soil, and groundwater are more precise and representative of site conditions. Additionally, desiccant tubes were not used by EnviroAssets due to the PID malfunction, or by Fugro, which precluded moisture vapor from being excluded as a confounding factor to screening observations with PIDs.

6.4 Sub-slab Vapor Pin Sampling Beneath 305 and 307 63rd Street, 6251, 6253, and 6255 College Avenue

Prior to penetrating the building slab in preparation for the subsurface investigation, on March 14, 2018 sub-slab soil vapor samples were collected from existing vapor pins within the 307 63rd Street (VP-1), and 6251 (VP-4), 6253 (VP-3), and 6255 (VP-2) College Avenue. Samples were collected in accordance with the *Advisory Active Soil Gas Investigations* (DTSC, July 2015) following a shut in test, with the entire sampling train beneath a sampling shroud using helium as a tracer gas, with a sampling regulator limiting flow to between 100 to 200 milliliters per minute following a purge of approximately 210 mL, and with laboratory supplied Summa canisters submitted for analysis by EPA Method TO-15 of CVOCs plus helium. Field sampling forms are attached as Appendix A.

6.5 Soil, Soil Vapor, and Groundwater Sampling 307 63rd Street

Following completion of the sub-slab vapor sampling on March 14, 2018, sampling of soil, soil vapor, and grab groundwater was initiated at four locations at 307 63rd Street on March 15 and 16, 2018 (Figure 2). Consistent with ACDEH requests, soil and groundwater samples were advanced next to the sanitary sewer, and vapor samples were placed near the western wall proximate to the alleyway.

On March 15, 2018, Gregg Drilling, Inc. (Gregg) provided a track mounted direct push sampling rig (Badger Marl D75). All non-disposable equipment was decontaminated by Gregg off-site prior to on-site field activities. The rig was used to collect continuous 4 ft. sample cores encased in clear acetate liners advanced within 2.25-inch diameter metal drilling rods. Drilling rods were advanced by a combination of hydraulic push and hammering methods through holes cored in the concrete floor following a Site Safety Meeting. Boring logs for these borings and MW-1 are included within Appendix A.

6.5.1 Soil Vapor Probes

On March 15, 2018, temporary soil vapor probes were installed at depths of 7 and 15 feet below ground surface at locations B15V and B16V, proximate to the interior west wall of the building. Soil vapor sample locations were advanced with direct push methods, with drilling rods pulled back six inches revealing Geoprobe 6" stainless steel implants (P/N SVPT96-6PR) connected to 1/4" inside diameter (I.D.) Teflon tubing. This method is similar to the Geoprobe post-run tubing methodology as described in the *ACDEH Responsive Environmental Investigation*

Workplan, except that probe rods were driven with sample tubing already in place. Following probe installation, a minimum of two hours was allowed for the subsurface to equilibrate prior to vapor sampling. Samples were then collected in accordance with the *Advisory Active Soil Gas Investigations* (DTSC, July 2015) following a shut-in test, with the entire sampling train beneath a sampling shroud using helium as a tracer gas, with a sampling regulator limiting flow to between 100 to 200 milliliters per minute following a purge of approximately 210 mL, and with laboratory supplied Summa canisters submitted for analysis by EPA Method TO-15 of CVOCs plus helium. Prior to soil vapor sampling on March 14 and 15, 2018, the following precipitation was measured in Oakland¹⁶: March 15, 2018 (0.28 inches); March 14, 2018 (0.04 inches); March 13, 2018 (0.36 inches); March 12, 2018 (0.13 inches); March 9, 10, and 11, 2018 (0.00 inches). However, the soil vapor samples were collected beneath the existing building during a rainfall event consistent with applicable regulatory guidance, which states “soil gas sampling after rainfall can proceed where infiltration has not occurred, such as under buildings or beneath high-integrity pavement”¹⁷.

EnviroAssets collected a soil vapor sample in the unpaved small limited access area between 6251 College Avenue and 6241 College Avenue on May 14, 2018. A temporary vapor probe was driven to a depth of 5.5 feet bgs then pulled back to 4.5 feet at B21 (Figure 2) using Geoprobe post-run tubing methodology as described in the *ACDEH Responsive Environmental Investigation Workplan*. After allowing at least 2-hours for the subsurface to equilibrate, samples were collected in accordance with the *Advisory Active Soil Gas Investigations* (DTSC, July 2015) following a shut in test, with the entire sampling train beneath a sampling shroud using helium as a tracer gas, with a sampling regulator limiting flow to between 100 to 200 milliliters per minute following a purge of approximately 210 mL, and with laboratory supplied Summa canisters submitted for analysis by EPA Method TO-15 of CVOCs plus helium. During purging, helium was noted in purge gas at unacceptable concentrations which led to the decision to replace the PRT tubing and adapter. Following replacement of the PRT tubing and adapter, no helium was observed in purge gas or the laboratory sample. Prior to soil vapor sampling performed within the unpaved small limited access area, the following precipitation was measured in Oakland: from April 18 through May 14, 2018 0.00 inches of precipitation was recorded with the previous significant rain event as defined by the DTSC Soil Gas Advisory was 0.70 inches of precipitation on April 7, 2018 (27 days prior to the May 14, 2018 vapor sampling).

6.5.2 Soil Sampling

Following installation of the four temporary soil vapor probes, continuously cored soil borings were advanced at locations B15 and B16, proximate to the sanitary sewer line. Within this

¹⁶ Weather data recorded at KOAK (Oakland International Airport, Alameda County)

¹⁷ DTSC, *Advisory Active Soil Gas Investigations*, July 2015

document, soil samples are described from their deepest depth (i.e. a sample collected from 1.5-2 feet deep is described as a 2-foot sample). Shallow soil samples were collected at B15 and B16 from the first soil encountered beneath the concrete slab and base materials at a depth from approximately 1.5-2 foot bgs. These shallow samples were cut from continuous 4 ft. acetate tubes into six inch sections, capped, labeled with sample location with the deepest sample interval depth indicated on the acetate, and immediately placed in iced coolers. These two soil samples were analyzed for the presence of California Assessment Manual (CAM) 17 metals using EPA Test Methods 6010B and 7471A for soil characterization purposes in conjunction with seismic retrofit soil excavation and disposal. Soil samples from both 2 feet bgs and 8 feet bgs (below the sanitary sewer invert shown on attached Subtronic utility survey from 5 to 5.5 feet bgs) were analyzed for CVOCs, with approximate 5-gram aliquots of soil collected from the acetate tubes and field preserved for CVOC analysis. Field preservation of soil samples was consistent with EPA Method 5035A and Method 8260B, using Terra Core Soil Sampler® devices to obtain measured samples that were transferred into 40-ml VOA bottles prepared by the laboratory (two VOAs with 5-ml of deionized water and one VOA with 10-ml of methanol). Boring locations are presented on Figure 2.

On April 18, 2018, four shallow soil samples were collected from four randomized grid locations (B17-B20) within the approximately 350 sf area within 307 63rd Street, resulting in a very conservative grid size of less than 10'x10'. Samples were collected with stainless steel trowels and laboratory supplied large mouth glass bottles from the soil surface to approximately 6-inches below the new grade associated with the seismic retrofit work in the space – approximately 12-inches below original sub-slab grade. These samples were collected to identify if residual concentrations of lead identified in samples previously collected immediately below grade prior to foundation excavation work were found in shallow soil post-excavation. The four samples were submitted for lead analysis by EPA Method 6010B.

6.5.3 Grab Groundwater Sampling

On March 15, 2018, grab groundwater sampling was attempted from both continuously cored soil borings, B-15 and B-16. Drilling rods were advanced to a depth of 20 feet bgs in both borings, after which drilling rods were removed and 10-feet of temporary well screen was inserted into the borehole. However, no groundwater was encountered after allowing the borehole to stabilize for more than 45-minutes. Subsequently, drilling rods were reinserted and advanced to depths of 24 feet bgs, followed with 10-feet of screened PVC casing placed in both boreholes. Groundwater was still not present in both borings after 45-minutes. The surfaces of both borings were protected, and the borings were allowed to stabilize overnight. On the morning of March 16, 2018, no groundwater was present in B-16, however groundwater was present in B-15 at a depth of 23.7 feet bgs. A groundwater sample was then collected (B15 S/GW-W) from within the PVC casing using a small diameter polyethylene bailer. The

groundwater sample was collected in three 40-ml VOA vials supplied by the laboratory that were preserved with hydrochloric acid.

7.0 DECONTAMINATION

Drive rods and other reusable components were precleaned and decontaminated prior to transporting them onsite by washing the equipment with a non-phosphate detergent and rinsing with tap water and/or by steam-cleaning. Sampling manifolds were returned to the laboratory for decontamination.

8.0 SOIL, SOIL VAPOR, SUB-SLAB VAPOR, AND GROUNDWATER RESULTS DISCUSSION

Identified concentrations of CVOCs at the Subject Property are below current conservative commercial property screening levels for soil, sub-slab and soil vapor, and drinking water standards. Further, the sampling locations were distributed near potential release mechanisms and sources and down-gradient property boundaries in order to identify if an on-site environmental problem existed. Tables 1, 2, and 3 present results of the soil, soil vapor, sub-slab vapor, and groundwater analyses performed at the Subject Property. Laboratory analytical reports are provided in Appendix D.

8.1 Soil Sampling Discussion

No CVOCs were detected in soil samples collected from three borings completed at the Subject Property (Table 1, B15, B16, and MW-1). Soil samples were collected below sewer inverts in two locations within 307 63rd Street (B15 and B16) and beneath the waste storage area of the Subject Property (MW-1). The lack of detections of CVOCs in soil samples indicates that dry cleaning chemicals were not released proximate to sample locations and depths, which targeted “potential release mechanisms and sources”¹⁸.

Two shallow samples collected at B15 and B16 were analyzed for inorganics (Table 2) to characterize shallow soils anticipated to be removed during seismic retrofit activities - when soil was removed to approximately 12” below grade within the 310 sf 307 63rd Street space. Inorganic chemicals were below regulatorily significant concentrations with the following exceptions: chromium in sample “B15 S/GW-S2-A” and lead in sample “B16 S/GW-S2-A” exceeded the 20x dilution rule-of-thumb used to identify samples that could potentially exceed the toxicity characteristic leaching procedure (“TCLP”) that is provided under federal regulations to simulate leaching through a landfill and designate hazardous waste. Consequently, TCLP and soluble threshold limit concentration (“STLC”, the California version of the landfill leaching test

¹⁸ SCVWD, *Study of Potential for Groundwater Contamination from Past Dry Cleaner Operations in Santa Clara County*, September 2007

for state hazardous waste) extraction and analysis were conducted. Only the STLC test for lead in sample “B16 S/GW-S2-A” exceeded regulatory limits for California hazardous waste. The concentrations of lead in samples B15 S/GW-S2-A and B16 S/GW-S2-A were 34 mg/Kg and 240 mg/Kg for and average concentration of 137 mg/Kg. Lead was commonly used in historical building practices during the early 20th century period when the building was constructed. These historical construction practices are the most probably the source of elevated lead in sample B16 S/GW-S2-A, and lead impacts are not associated with historical dry cleaning practices. Based on these results, soil excavated during seismic retrofit activities was disposed of as California Hazardous Waste. Disposal documentation is included in Appendix B.

Following completion of excavation work associated with the seismic retrofit beneath 307 63rd Street, four shallow soil samples were collected and analyzed for lead (Figure 2, Table 2). Lead concentrations in the shallow samples ranged from 30 mg/Kg to 42 mg/Kg. These concentrations are all below the residential Environmental Screening Level (Water Board) and DTSC guidance concentration for lead of 80 mg/Kg. These results indicate that lead impacted soil was removed during the shallow excavation, residual lead concentrations are not significant beneath the 307 63rd Street space, and soil beneath the space can be handled without concern for lead impacts.

8.2 Soil Vapor Discussion

Seven soil vapor samples were collected at the Subject Property – four within 307 63rd Street, two in the alleyway behind 6251 College Avenue, and one in the unpaved small limited access area between 6251 College Avenue and 6241-47 College Avenue. Three samples were obtained from approximately 7-foot bgs, three from approximately 15-foot bgs, and one from approximately 5.5 feet bgs. The samples were collected within 30-feet of the former location of dry cleaning equipment, back storage/waste area, and sanitary sewer lateral. These sampling locations and depths were selected because they are either proximate to a potential release source (such as the sanitary sewer or former dry cleaning equipment area), or are downgradient of these areas. Additionally, the samples are spaced approximately 30-feet or less, which is effective for source identification in low permeability materials and flat groundwater gradients that enhance lateral spreading of contaminants over time – the conditions that exist at the Subject Property. The highest concentration of PCE identified in these subsurface soil vapor samples is 49.04 $\mu\text{g}/\text{m}^3$, and PCE was not detected in vapor samples collected from location B16¹⁹, or in the 7-foot sample from SG-12. All concentrations are substantially below the current commercial soil vapor ESL of 2,100 $\mu\text{g}/\text{m}^3$ and do not indicate a significant release occurred at the Subject Property. Therefore, the soil vapor samples are sufficient to confirm that a release that presents a significant threat to human health or the environmental and merits remediation does not exist at the Subject Property.

¹⁹ TCE was detected at 38.73 $\mu\text{g}/\text{m}^3$ from location B16 at 7-foot bgs.

Additionally, all of the soil vapor samples were collected near Subject Property boundaries in locations between areas associated with potential release mechanisms and sources (sewer laterals, former equipment locations, and the waste storage area) and neighboring properties. If offsite migration of soil vapor was occurring, we would expect to detect elevated concentrations of PCE in these locations. Because elevated concentrations of PCE were not detected, the samples results demonstrate that contamination migration is not a significant concern.

8.3 Sub Slab Vapor

Sub-slab vapor sampling is intended to identify if vapor intrusion to indoor air is a concern, and is not conventionally used to understand the nature and extent of contamination in the subsurface because building construction techniques usually create a sub-base composition that is substantially different from underlying undisturbed native soils. The sample (“V-VP-1-A”), collected from immediately beneath the historical building slab within 307 63rd street, contained tetrachloroethylene (“PCE”) at 78.87 $\mu\text{g}/\text{m}^3$ (Table 3). No other chlorinated volatile organic compounds (“CVOCs”) were detected in the sample. This concentration is substantially beneath the current soil vapor Environmental Screening Level (“ESL”) for commercial properties provided by the Water Board of 2,100 $\mu\text{g}/\text{m}^3$ ²⁰.

Within the portion of the Property where the seismic retrofit was completed previously and a new building slab was installed, PCE was detected within the three samples at concentrations of 270.60 (V-VP-2-A), 239.11 (V-VP-3-A) and 12.69 (V-VP-4-A) $\mu\text{g}/\text{m}^3$. These concentrations are substantially below the current commercial vapor ESL of 2,100 $\mu\text{g}/\text{m}^3$. Consequently, the sub-slab samples indicate that vapor intrusion is not a significant concern at the Subject Property.

8.4 Groundwater Sampling Discussion

Groundwater samples have been collected from two locations on the Subject Property, approximately 30-feet apart and located downgradient of the former dry cleaning area (MW-1, in the alleyway behind 6251 College Avenue) and the Subject Property sanitary sewer lateral (B15, within 307 63rd Street). The concentrations of CVOCs (Table 1) identified in B15 S/GW-W (4.6 $\mu\text{g}/\text{L}$ of PCE and 0.69 $\mu\text{g}/\text{L}$ of TCE) and in MW-1 (1.2 $\mu\text{g}/\text{L}$ of PCE) are below the drinking water standards that are set at 5 $\mu\text{g}/\text{L}$ for both chemicals (drinking water standards are referred to as maximum contaminant levels or “MCLs”). Neither sample concentration suggest that a significant release occurred at the Subject Property, and both are considered de-minimis with respect to environmental guidance.

²⁰ San Francisco Bay Regional Water Quality Board (Water Board), *Environmental Screening Levels (ESLs)*, February 2016.

The two groundwater sampling locations, MW-1 and B15, are located downgradient of the former Subject Property dry cleaning area and the Subject Property sanitary sewer lateral (respectively) in locations well chosen to evaluate the potential for significant releases from the Subject Property. The hydrogeology at the Subject Property is primarily low-permeability clayey soils with a relatively flat groundwater gradient trending to the southeast.²¹ That type of hydrology would allow diffusion and dispersion through low permeability soils to cause lateral spreading of contamination in both groundwater and soil vapor over the potential release timeline of over 30-years (Red Hanger left the Subject Property in approximate to 1987). Consequently, the location and sample spacing of approximately 30-feet is appropriate to confirm that a significant release to groundwater has not occurred at the Subject Property.

9.0 SUBJECT PROPERTY CONDITIONS RELATIVE TO CCV PROPERTY

The following discussion places Subject Property analytical results in context of the neighboring open regulatory site – the CCV Property.

9.1 Groundwater Data

When evaluated in context with historical grab and monitoring well data, as depicted on Figure 4, it is evident that the below drinking water standards detections of CVOCs in B15 and MW-1 are not the source of groundwater concentrations observed downgradient of the Subject Property, which: have been observed an order of magnitude higher, as high as 48 µg/L (SB1) and 56 µg/L (B10); were detected at locations proximate to identified releases from the former dry cleaning equipment area, and rear storage area and sewer lateral at the CCV Property. This conclusion is consistent with industry knowledge that concentrations of contaminants will decrease with distance from a source area due to natural attenuation processes, including “biodegradation, dispersion, dilution, adsorption, volatilization and chemical or biological stabilization or destruction of contaminants”²². The groundwater data provided on Figure 4 demonstrate that concentrations *increase* downgradient of the Subject Property with proximity to the former dry cleaning area, and rear storage area and sewer lateral at the CCV Property. This aligns with the source of elevated groundwater contamination being a release at the CCV Property because “the greater the distance between a source of contamination and a ground water source, the more likely that natural processes will reduce the impacts of contamination”²³. As requested by the ACDEH, a companion table with source information regarding the depths to water provided on Figure 4 was prepared (Table 4).

²¹ Op. cit., LRM 2017.

²² ITRC, *Natural Attenuation of Chlorinated Solvents in Groundwater, Principles and Practices*, September 1999

²³ Belk, Tom, *Wellhead Protection: A Guide for Small Communities*, 1994

We note that figures and tables provided in its September 2017 report²⁴ and conclusions drawn by LRM²⁵ that there is an absence of PCE impacted groundwater downgradient of the Subject Property were made without considering grab groundwater samples collected for their client from 2008 through 2016 (Figure 4). These samples include detections of PCE ranging from 7 to 18 µg/L from locations B7, B8, and B13 that were collected in the vicinity of the August 2017 non-detections in monitoring wells MW-2 and MW-3 that LRM relied upon for its conclusion. These concentrations exceed those collected on the Subject Property – and were identified in locations downgradient – which demonstrate an inverse gradient to the Subject Property. Additionally, CCV’s own consultant LRM concluded that “groundwater impacts across the various properties remain insignificant and do not warrant remediation”²⁶.

9.2 Soil Vapor Data

In contrast to samples collected at the Subject Property, soil vapor samples collected across the CCV Property have been detected at significantly elevated levels – well above ESLs. Before the soil vapor extraction system started running at CCV’s Property, samples collected within 30-feet of potential release mechanisms and sources at the CCV Property, including the former dry cleaning equipment area and rear storage area and sewer lateral, were as high as 61,000 µg/m³ in shallow soil gas (SG6-7) and 120,000 µg/m³ in deep soil gas (SG2-17). Furthermore, **every** sample collected within 30-feet of the dry cleaning area, and rear storage area and associated sewer lateral has contained PCE at concentrations well above Subject Property concentrations and associated regulatory screening levels. Consultants for the CCV Property observed that the pattern of impacts at the CCV Property are associated with potential release mechanisms and sources at the CCV Property, including sewer cleanouts, former equipment locations, and property boundaries opposite from those most proximate to the Subject Property including:

- The highest concentration of PCE in soil gas was found at the sewer cleanout” and that “[t]he highest concentration PCE in the subslab samples was found near the former location of the dry cleaning machines next to a crack in the slab” (source: Youngdahl, *Phase II Environmental Site Assessment Soil Gas Investigation Report*, July 27, 2015).
- “the highest concentrations of PCE soil gas were consistently detected in the vicinity of the sanitary sewer pipe immediately to the north of the former Red Hanger Kleeners store, with the highest PCE shallow soil gas concentration detected immediately to the south of the sanitary sewer cleanout and the highest deep soil gas concentrations detected adjacent to and immediately downgradient of the sanitary sewer cleanout” (source: P&D Environmental, *Site Investigation and Soil Vapor Extraction Report*, July 2016).

²⁴ Op. cit., LRM 2017

²⁵ LRM, *Response to EnviroAssets, Inc. (EAI) Comments on The Supplemental Remedial Investigation Report*, November 6, 2017 [LRM 2017a]

²⁶ Op. cit., LRM 2017

- Peak concentrations of PCE are located “along the western boundary of the 6235-6239 College Ave., property” (source: LRM Consulting Inc., *Supplemental Remedial Investigation Report*, September 27, 2017).

Again, the data demonstrate that concentrations *increase* with distance when moving away from the Subject Property and *increase* with proximity to the former dry cleaning area, and rear storage area and sewer lateral at the CCV Property. This identifies that the source on the CCV Property is a release on the CCV Property, and not migration from the Subject Property, as “[v]apor concentrations generally decrease with increasing distance from a subsurface vapor source”²⁷.

The fact that soil vapor concentrations of PCE increase with proximity to the likely sources – the former dry cleaning equipment area, the CCV Property sewer lateral connection, the storage and delivery area behind the cleaning area, and the sewer lateral that has identified breaks - is conspicuous and self-evident on the two soil vapor contours (shallow and deep) prepared by P&D Environmental and attached to this document (P&D, figures 7 and 8, Appendix C). The contours show concentration peaks near likely source areas. We note also that these contours highlight very elevated soil vapor concentrations (7,000 µg/m³ in SG7-7, and 37,000 µg/m³ at SG7-17) that have been detected on the CCV Property within 30-feet of the Subject Property boundary – presenting a high likelihood that the vapor plume or “mound” emanating from 6235 College Avenue (CCV Property) has “migrate[d] radially in all directions from the source (i.e., upward toward the atmosphere, laterally outward, and downward toward the water table)”²⁸ and spread out laterally onto the Subject Property.

With respect to ACDEH stated interest in clarifying the source of soil vapor at locations SG 11 and SG 4, we note that the soil vapor concentrations observed at these locations (observed as high as 34,000 µg/m³) are significantly higher than those on the Subject Property, demonstrating an inverse gradient from the Subject Property. Additionally, SG 4 and SG 11 are within approximately 12-feet of the sewer lateral at the CCV Property and over 60-feet from the Subject Property sewer lateral or former dry cleaning equipment area where soil vapor concentrations have been demonstrated to be very low and would not drive downgradient contamination as observed at the CCV Property. These data demonstrate that the source of soil vapor at these locations is a release from the former dry cleaning area, and rear storage area and sewer lateral at the CCV Property.

²⁷ USEPA, *Technical Guide for Addressing Petroleum Vapor Intrusion At Leaking Underground Storage Tank Sites*, June 2015

²⁸ USEPA, *Conceptual Model Scenarios for the Vapor Intrusion Pathway*, February 2012

Please note that during preparation of this report, we were unable to reconcile soil vapor sample locations presented on figures provided by P&D Environmental Inc.²⁹ and LRM Consulting Inc.³⁰ including noting that location SVE3 is depicted as inside the building outlines by LRM and outside the building by P&D. Consequently, we have attached soil vapor figures (Appendix C) provided by the two consultants rather than compiling a comprehensive single figure.

10.0 CONCLUSION

Identified concentrations of chemicals of concern – chlorinated solvents related to historical dry cleaning operations or chlorinated volatile organic compounds (“CVOCs”) - are below current guidance concentrations provided by the Regional Water Quality Control Board (“Water Board”) for commercial property (environmental screening levels or “ESLs”) and State and Federal drinking water standards (maximum contaminant level or “MCLs”). The Water Board intends the ESLs to be conservative so that sites where “concentrations of a limited number of contaminants are well below their respective ESLs”³¹ can be screened out from “additional site investigation, remedial action or a more detailed risk assessment”³². Drinking water standards, MCLs, are assumed to be safe for daily consumption of water from drinking water systems – and are therefore additionally conservative for the shallow groundwater at the Subject Property, which is not currently used for drinking water. Therefore, it can be assumed that the Subject Property does not pose a significant threat to human health, water resources, or the environment – where “significant” refers to a level of risk that would require additional evaluation or remediation.

Given the combination of the laboratory data results, the number and distribution of samples across the Subject Property near potential source areas and the property boundaries, there is no vapor threat to indoor air, no evidence indicative of a significant release at the Subject Property, and nothing indicating a threat of migration from the Subject Property to the CCV Property.

Furthermore, these data in context of the comprehensive dataset of soil vapor and groundwater data associated with the identified release from the former dry cleaning area, and rear storage area and sewer lateral at the CCV Property, demonstrate concentration gradients that are opposite what would be anticipated if the Subject Property was an upgradient source of the contamination at the CCV Property. Additionally, the pattern of impacts at the CCV Property are associated with potential release mechanisms and sources at the CCV Property, including sewer cleanouts, former equipment locations, and property boundaries opposite from those most proximate to the

²⁹ P&D Environmental Inc., *Site Investigation and Soil Vapor Extraction Report*, July 11, 2016, [P&D 2016], Figures 3-8

³⁰ Op. cit., LRM 2017, Figures 1-4

³¹ Water Board, *User’s Guide: Derivation and Application of Environmental Screening Levels (ESLs)*, Interim Final 2016

³² Ibid



Subject Property. Based on these data, the source of elevated soil vapor and groundwater impacts at the CCV Property is the release(s) at the CCV Property.

Based on these data, the Subject Property does not pose a significant threat to human health, water resources, or the environment and it does not require remediation. As clearly intended by the Water Board's ESL document, the Subject Property can be screened out from additional site investigation, remedial action, or a more detailed risk assessment. The Subject Property should be given a No Further Action letter, and retain its no-case status.

11.0 LIMITATIONS

This project update is presented in accordance with generally accepted professional environmental practices, based on available data discussed within this report, and within the scope of the project. There is no other warranty, either express or implied.

12.0 REFERENCES

DTSC, *Advisory Active Soil Gas Investigations*, July 2015

EnviroAssets, *ACDEH Responsive Environmental Investigation Workplan*, February 28, 2018

EnviroAssets, *Screening Subslab Vapor Survey*, June 5, 2017

EnviroAssets, *Data Update - ACDEH Responsive Environmental Investigation*, April 6, 2018

GeoTracker http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000416

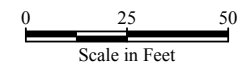
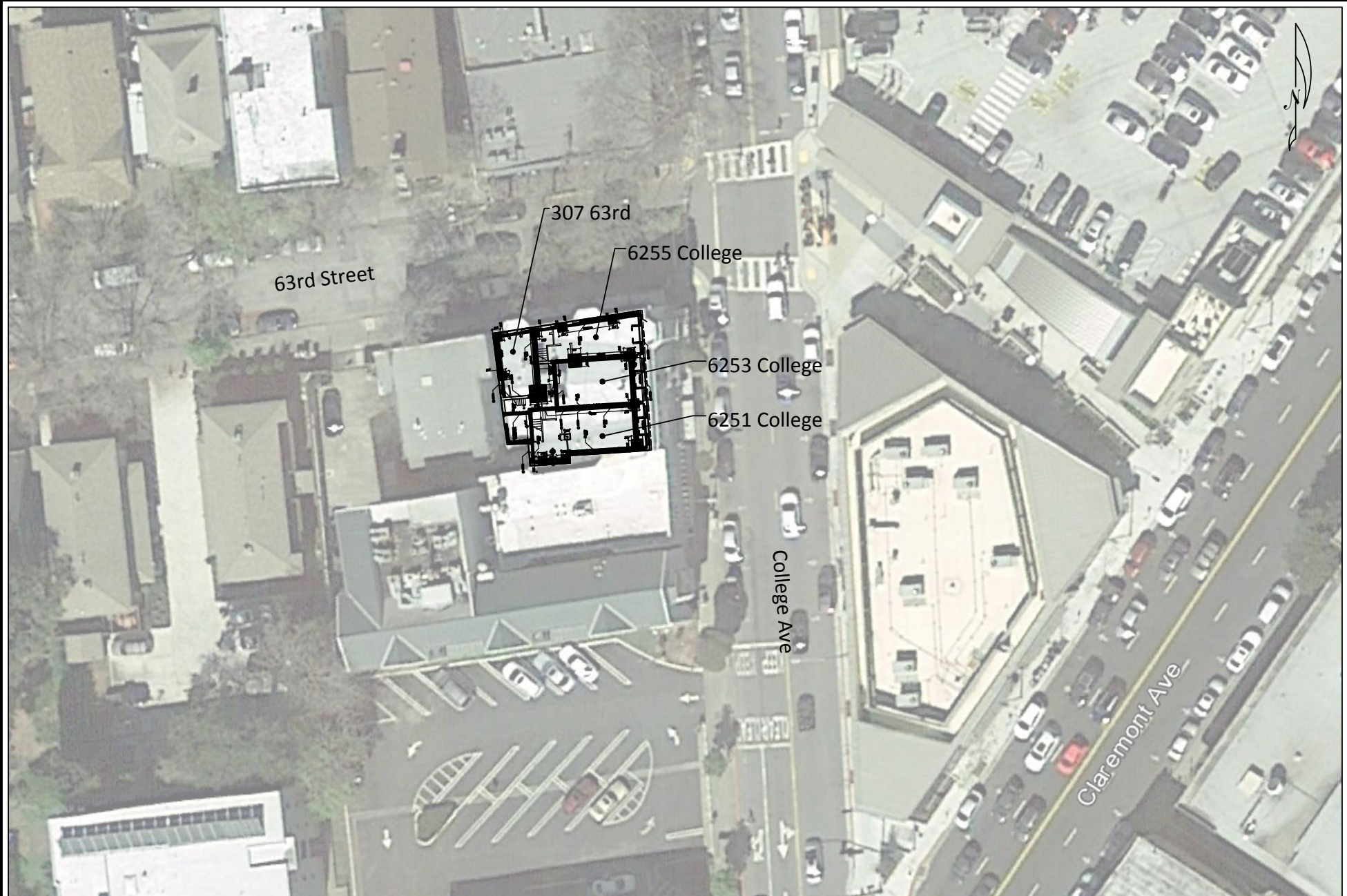
LRM Consulting Inc., *Supplemental Remedial Investigation Report*, September 27, 2017
Regional Water Quality Control Board – San Francisco, *Environmental Screening Levels*, February 2016, Rev. 3.

Santa Clara Valley Water District, *Study of Potential for Groundwater Contamination from Past Dry Cleaner Operations in Santa Clara County*, September 2007

USEPA, Hazardous Waste Test Methods/SW-846



Figures



Aerial photograph sourced from Google Earth

No.	Date	Revision	Approved	Date:	5/26/2017
				Drawn:	MH
				File Name:	EA22404-17

B16				
Date	Matrix	Depth	PCE	Units
3/15/2018	S	2	<5.8	µg/Kg
3/15/2018	S	8	<3.8	µg/Kg

B16V				
Date	Matrix	Depth	PCE	Units
3/15/2018	V	7	<4.12	µg/m3
3/15/2018	V	15	<4.91	µg/m3

VP-2				
Date	Matrix	Depth	PCE	Units
3/14/2018	V	NA	270.60	µg/m3

B15				
Date	Matrix	Depth	PCE	Units
3/15/2018	S	2	<4.6	µg/Kg
3/15/2018	S	8	<3.9	µg/Kg
3/16/2018	W	23.5	4.6	µg/L

B15V				
Date	Matrix	Depth	PCE	Units
3/15/2018	V	7	49.04	µg/m3
3/15/2018	V	15	14.06	µg/m3

VP-1				
Date	Matrix	Depth	PCE	Units
3/14/2018	V	NA	78.87	µg/m3

VP-3				
Date	Matrix	Depth	PCE	Units
3/14/2018	V	NA	239.11	µg/m3

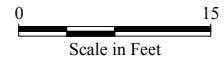
VP-4				
Date	Matrix	Depth	PCE	Units
3/14/2018	V	NA	12.69	µg/m3

MW-1 (screen 17-27)				
Date	Matrix	Depth	PCE	Units
7/25/2017	S	5	<5.0	µg/Kg
7/25/2017	S	15	<5.0	µg/Kg
7/25/2017	S	25	<10	µg/Kg
8/9/2017	W	17.6	1.2	µg/L

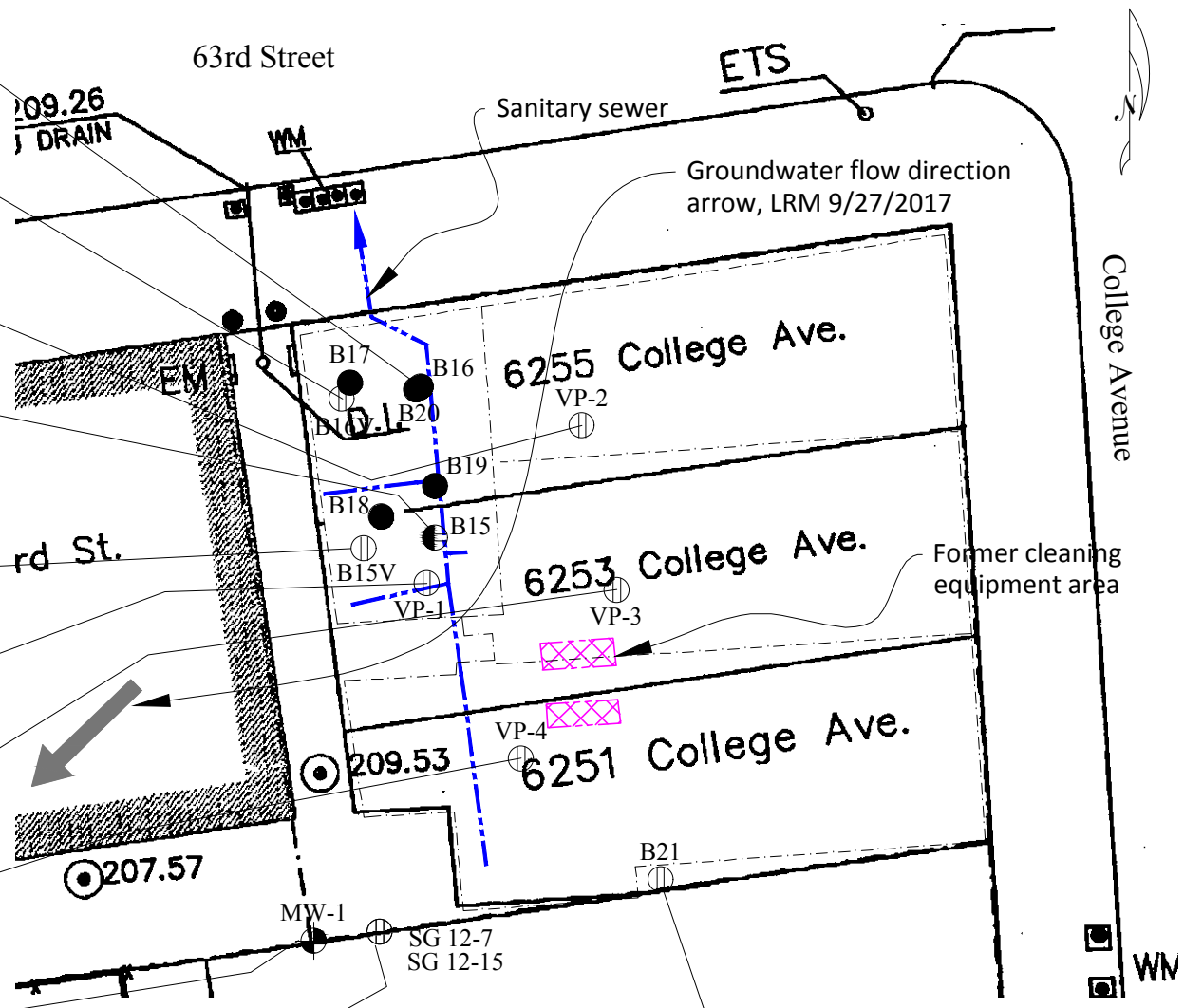
SG-12				
Date	Matrix	Depth	PCE	Units
8/7/2017	V	7	<3.4	µg/m3
8/7/2017	V	15	3.9	µg/m3

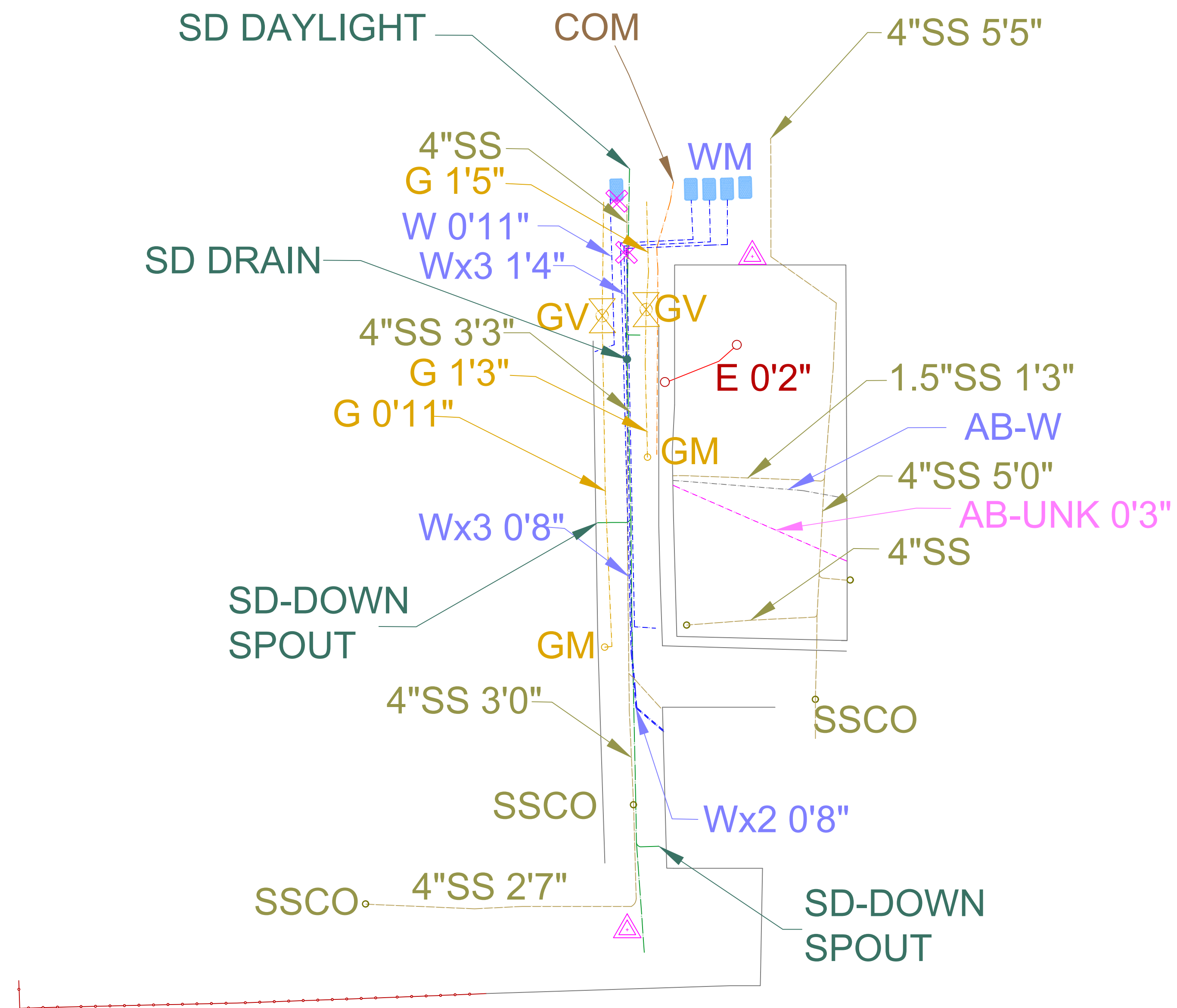
B21				
Date	Matrix	Depth	PCE	Units
5/14/2018	V	5.5	10.74	µg/m3

- Legend**
- B16 ● Soil sample location
 - B16V ● Vapor sample location
 - B15 ● Soil and groundwater sample location
 - MW-1 ● Monitoring well
- Matrix: S-soil, V-soil vapor, W-water



Note: background excerpted from Virgil Chavez Land Surveying, "Site Map". Sample locations and other features are approximate.





NOTES:

Not all utilities may be shown.
 Some laterals were not accessible & were therefore not located.
 Depths shown are to center of conductive utility & are generally +/-10% of actual depth, when not distorted by adjacent conductors. Accuracy of electronic depth decreases when adjacent utilities are located within 5 ft.
 Critical depths require verification by potholing.
 Sanitary & storm depths are measured from rim to invert level.

ABBREVIATIONS:

ABBREVIATIONS

AB	ABANDONED
CA	COMPRESSED AIR
CB	CATCH BASIN
CI	CAST IRON
CM	COMMUNICATION
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CP	TEST CORROSION PROTECTION BOX
E	ELECTRIC
EOP	END OF PIPE
EOT	END OF TRACE
FH	FIRE HYDRANT
FO	FIBER OPTIC
FW	FIRE WATER
G	GAS
GA	GAS ANODE
GM	GAS METER
GBX	GAS BOX
G RSR	GAS RISER
GV	GAS VALVE
HV	HIGH VOLTAGE
IBX	IRRIGATION BOX
IRC	IRRIGATION CONTROL
ICV	IRRIGATION CONTROL VALVE
IRR	IRRIGATION
LV	LOW VOLTAGE
MH	MANHOLE
NL	NOT LOCATED
OE	OPEN END
PED	PEDESTAL
RCB	REINFORCED CONCRETE BOX
RSR	RISER
SD	STORM DRAIN
SIG	SIGNAL
SL	STREET LIGHT
SS	SANITARY SEWER
T	TELEPHONE
TOP	TOP OF PIPE
TON	TOP OF VALVE NUT
TR	TRAFFIC SIGNAL
TRP	TRAFFIC SIGNAL POLE
TRBX	TRAFFIC SIGNAL BOX
WBX	WATER BOX
WM	WATER METER
WV	WATER VALVE
UN	UNKNOWN UTILITY



LEGEND:

	Sanitary Sewer
	Storm Drain
	Water
	Gas
	Unknown
	Electric
	Telephone

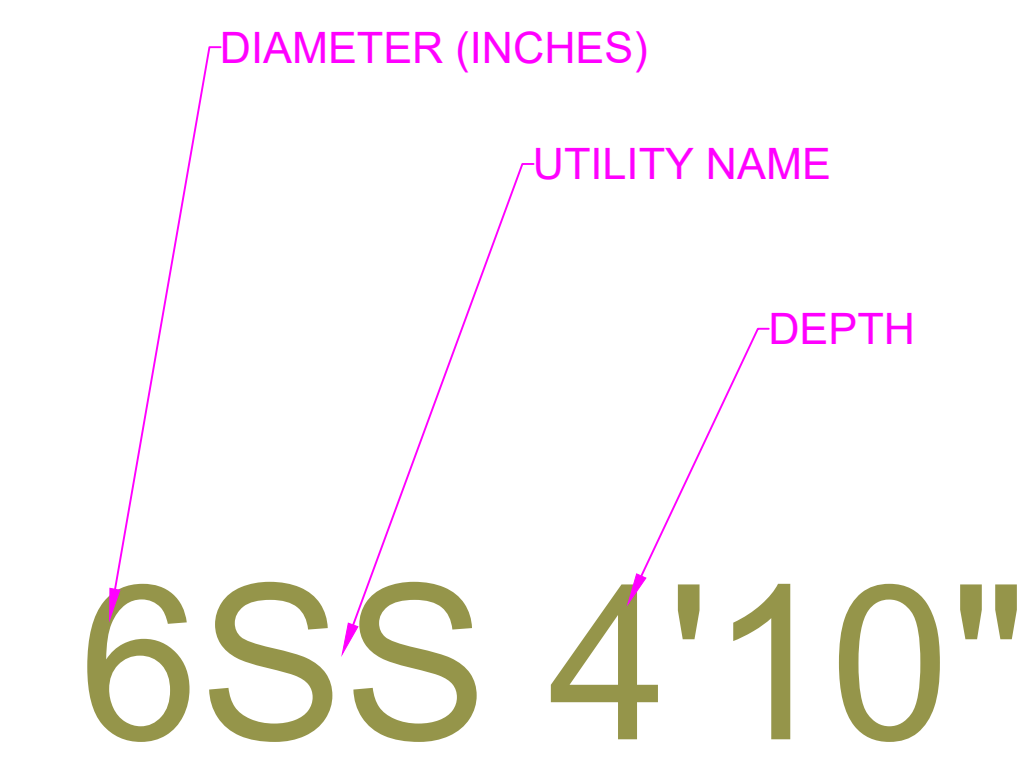


Figure 3
Subtronic Utility Survey

B12		
Date	Depth	PCE
3/28/2016	26.8	3

B11		
Date	Depth	PCE
3/28/2016	18.5	18

B8		
Date	Depth	PCE
8/14/2008	21.2	7

B15		
Date	Depth	PCE
3/16/2018	23.5	4.6

B9		
Date	DTW	PCE
3/28/2016	16.2	38

MW-4 (screen from 17-27)		
Date	DTW	PCE
8/8/2017	16.15	<0.50

B10		
Date	DTW	PCE
3/28/2016	15.5	56

MW-5 (screen from 18-28)		
Date	DTW	PCE
8/8/2017	16.55	<0.50

MW-6 (screen 18-28)		
Date	DTW	PCE
8/8/2017	17.8	1.9

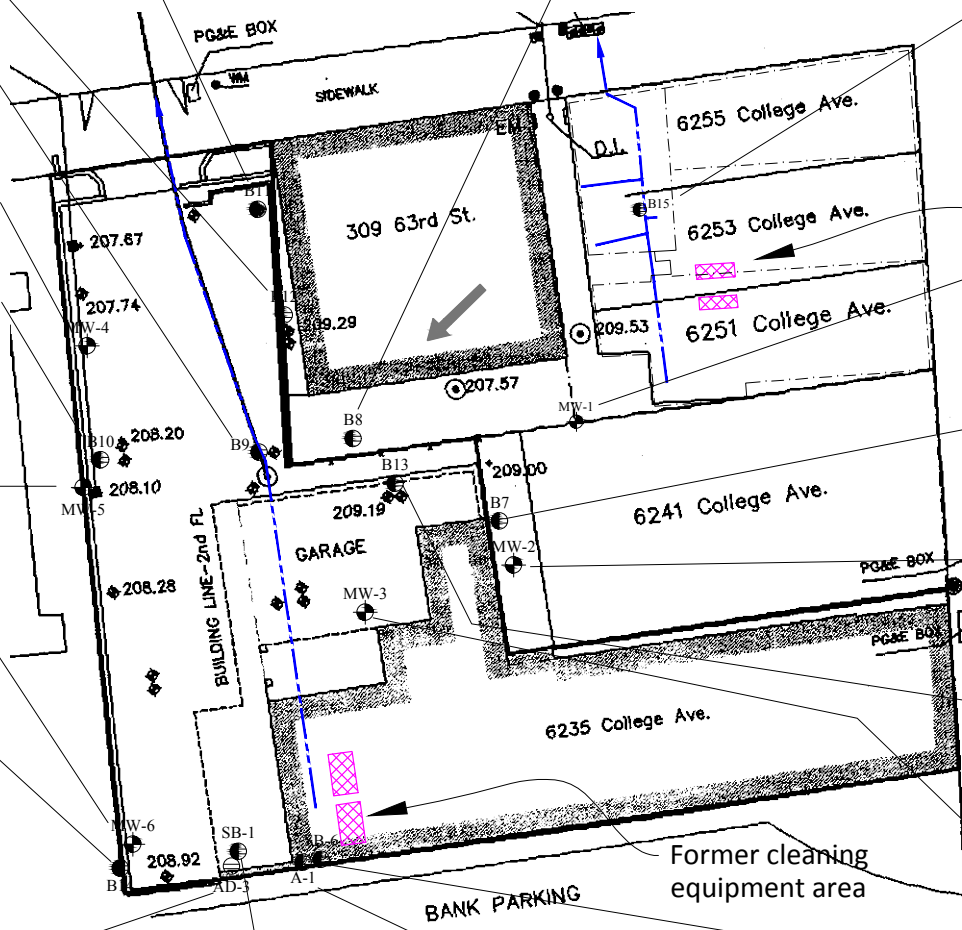
B14		
Date	DTW	PCE
3/29/2016	19.3	2.1

AD-3		
Date	DTW	PCE
10/11/2009	22.2	1.9

SB1		
Date	DTW	PCE
5/3/2005	15.8	48

A-1		
Date	DTW	PCE
10/11/2009	22	0.91

SB6		
Date	DTW	PCE
6/28/2005	16	15



Former cleaning equipment area

MW-1 (screen 17-27)		
Date	DTW	PCE
8/9/2017	17.6	1.2

B7		
Date	DTW	PCE
8/14/2008	22.3	12

MW-2 (screen 17-27)		
Date	DTW	PCE
8/9/2017	17.4	<0.50

B13		
Date	DTW	PCE
3/28/2016	17.2	18

MW-3 (screen 17-27)		
Date	DTW	PCE
8/8/2017	17.67	<0.50

Legend

PCE concentrations provided in µg/L

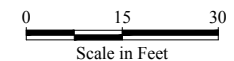
Groundwater flow direction arrow, LRM 9/27/2017

Sanitary sewer lateral.

MW-1 Monitoring well location

B15 Soil and groundwater sample location

Note: background excerpted from Virgil Chavez Land Surveying, "Site Map". Sample locations and other features are approximate.





Tables



TABLE 1: SOIL AND GROUNDWATER ANALYTICAL SUMMARY - CVOCs
 307 63rd Street; and 6251, 6253, and 6255 College Avenue
 Oakland, California

Sample Location	Matrix	Field Sample ID	Sample Date	Sample Depth	Units	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-Dichloroethylene (c-1,2-DCE)	trans-1,2-Dichloroethylene (trans-1,2-DCE)	Vinyl chloride
B15	S	B15 S/GW-S2-A	3/15/2018	2	µg/Kg	<4.6	<4.6	<4.6	<4.6	<4.6
B15	S	B15 S/GW-S8-A	3/15/2018	8	µg/Kg	<3.9	<3.9	<3.9	<3.9	<3.9
B15	W	B15 S/GW-W	3/16/2018	23.5	µg/L	4.6	0.69	<0.50	<0.50	<0.50
B16	S	B16 S/GW-S2-A	3/15/2018	2	µg/Kg	<5.8	<5.8	<5.8	<5.8	<5.8
B16	S	B16 S/GW-S8-A	3/15/2018	8	µg/Kg	<3.8	<3.8	<3.8	<3.8	<3.8
MW-1	S	MW-1 @ 5	7/25/2017	5	µg/Kg	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	S	MW-1 @ 15	7/25/2017	15	µg/Kg	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	S	MW-1-25'	7/25/2017	25	µg/Kg	<10	<10	<10	<10	<10
MW-1	W	MW-1	8/9/2017	17.6	µg/L	1.2	<0.50	<0.50	<0.50	<0.50

Note:
 S soil
 W water
 <# not detected below provided detection limit



TABLE 2: SOIL ANALYTICAL SUMMARY - INORGANICS
 307 63rd Street; and 6251, 6253, and 6255 College Avenue
 Oakland, California

Sample Location	B15	B16	B17	B18	B19	B20
Sample Name	B15 S/GW-S2-A	B16 S/GW-S2-A	S-B17-0.5-A	S-B18-0.5-A	S-B19-0.5-A	S-B20-0.5-A
Sample Date	3/15/2018	3/15/2018	4/18/2018	4/18/2018	4/18/2018	4/18/2018
Sample Depth	2	2	0.5*	0.5*	0.5*	0.5*
Metals/Inorganics Results Presented in mg/Kg						
Antimony	2.8	<1.8	NA	NA	NA	NA
Arsenic	5.9	4	NA	NA	NA	NA
Barium	150	180	NA	NA	NA	NA
Beryllium	0.47	0.43	NA	NA	NA	NA
Cadmium	<0.41	<0.45	NA	NA	NA	NA
Chromium	140	33	NA	NA	NA	NA
Cobalt	11	8.5	NA	NA	NA	NA
Copper	50	32	NA	NA	NA	NA
Lead	34	240	42	33	30	31
Mercury	0.039	0.085	NA	NA	NA	NA
Molybdenum	16	<1.8	NA	NA	NA	NA
Nickel	51	32	NA	NA	NA	NA
Selenium	<3.3	<3.6	NA	NA	NA	NA
Silver	<0.81	<0.91	NA	NA	NA	NA
Thallium	<1.6	<1.8	NA	NA	NA	NA
Vanadium	41	36	NA	NA	NA	NA
Zinc	80	110	NA	NA	NA	NA
STLC Results Presented in mg/L						
Chromium	0.22	NA	NA	NA	NA	NA
Lead	NA	160	NA	NA	NA	NA
TCLP Results Presented in mg/L						
Chromium	<0.10	NA	NA	NA	NA	NA
Lead	NA	0.29	NA	NA	NA	NA

Note:

<# Not detected below listed detection limit

* Depth below soil elevation following shallow soil excavation for foundation slab - between 12 and 18 inches below original slab elevation

NA Not analyzed



TABLE 3: SOIL VAPOR AND SUB-SLAB VAPOR ANALYTICAL SUMMARY
 307 63rd Street; and 6251, 6253, and 6255 College Avenue
 Oakland, California

Sample Location	Field Sample ID	Sample Date	Sample Type	Depth	Units	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-Dichloroethylene (c-1,2-DCE)	trans-1,2-Dichloroethylene (trans-1,2-DCE)	Vinyl chloride	Helium (presented in %)
<i>Environmental Screening Level (ESL) - commercial</i>						2,100	3,000	35,000	350,000	160	1%*
B15V	V-B15-7-A	3/15/2018	PRI	7	µg/m3	49.04	12.92	<6.93	<4.65	<4.18	<0.150%
B15V	V-B15-15-A	3/15/2018	PRI	15	µg/m3	14.06	32.85	<6.34	<4.25	<3.82	0.757%
B16V	V-B16-7-A	3/15/2018	PRI	7	µg/m3	<4.12	38.73	<5.33	<3.58	<3.21	<0.081%
B16V	V-B16-15-A	3/15/2018	PRI	15	µg/m3	<4.91	<7.44	<6.34	<4.25	<3.82	0.101 J%
B21	V-B17-5.5	5/14/2018	PRI	5.5	µg/m3	10.74	<6.26	<5.33	<3.58	<3.21	<0.096
VP-1	V-VP-1-A	3/14/2018	PRI	NA	µg/m3	78.87	<7.82	<6.66	<4.47	<4.02	<0.117%
VP-2	V-VP-2-A	3/14/2018	PRI	NA	µg/m3	270.60	<8.13	<6.93	<4.65	<4.18	<0.120%
VP-3	V-VP-3-A	3/14/2018	PRI	NA	µg/m3	239.11	<8.44	<7.19	<4.83	<4.34	<0.129%
VP-4	V-VP-4-A	3/14/2018	PRI	NA	µg/m3	12.69	<8.01	<6.82	<4.58	<4.11	<0.123%
SG-12	SG-12-7	8/7/2017	PRI	7	µg/m3	<3.4	<2.8	<2.0	<2.0	<1.3	<0.0505%
SG-12	SG-12-15	8/7/2017	PRI	15	µg/m3	3.9	<2.8	<2.0	<2.0	<1.3	<0.050%

Note:

<# not detected below provided detection limit

NA Not applicable (sub-slab sampling collected immediately beneath building slab)

Use of the subslab ESLs for the subslab line of evidence assumes an intact slab.

* DTSC guidance allows for ambient air leak up to 5%. Tracer concentration of ~20% helium used in sampling shroud

J Estimated concentration



TABLE 4: DEPTH TO GROUNDWATER SOURCE SUMMARY
 307 63rd Street; and 6251, 6253, and 6255 College Avenue
 Oakland, California

Sample Location	Sample Date	DTW	PCE (µg/L)	Remarks	DTW Source
MW-1 (screen 17-27)	8/9/2017	17.6	1.2	Semi-confined. Groundwater initially reached at 21 ft bgs and stabilized at 17.6 ft bgs	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
MW-2 (screen 17-27)	8/9/2017	17.4	<0.50	Confined. Groundwater initially reached at 20 ft bgs and stabilized at 17.4 ft bgs	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
MW-3 (screen 17-27)	8/8/2017	17.67	<0.50	Confined. Groundwater initially reached at 23 ft bgs and stabilized at 17.67 ft bgs	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
MW-4 (screen from 17-27)	8/8/2017	16.15	<0.50	Confined. Saturated at 23.5 ft bgs and stabilized at 16.15 ft bgs	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
MW-5 (screen from 18-28)	8/8/2017	16.55	<0.50	Confined. Groundwater initially reached at 21 ft bgs and stabilized at 16.55 ft bgs. Triangle on boring log is believed to have been placed in the wrong location by G.M. and M.P.H.	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
MW-6 (screen 18-28)	8/8/2017	17.8	1.9	Confined. Groundwater initially reached in Saturated clay at 25 ft bgs and stabilized at 17.8 ft. bgs	LRM, Supplemental Remedial Investigation Report, September 27, 2017 (Table 1)
SB1	5/3/2005	15.8	48	Confined. Groundwater initially reached at 17.5 ft bgs and five minutes later was found at 15.8 ft bgs. *Not much time left for stabilization*	AEI Phase II Subsurface Investigation Report, May 17, 2005 (Boring Logs)
SB6	6/28/2005	16	15	Confined. Groundwater initially reached at 20 ft bgs and then stabilized at 16 ft bgs	EFI Global, Confirmation Sample Results June 28, 2005 (pp 2/10)
B7	8/14/2008	22.3	12	Not confined. Groundwater initially reached at 21.3 ft bgs and stabilized at 22.3 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (pp. 13/215)
B8	8/14/2008	21.2	7	Semi-confined. Groundwater initially reached at 22.6 ft bgs and stabilized at 21.2 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (pp 13/215)
A1	10/11/2009	22	0.91	Confined. Groundwater initially reached at 35 ft bgs and stabilized at 22 ft bgs. Soil mostly dry clayey silts until ~33 ft bgs	ERM-West Inc., Site Characterization Summary Report, January 20, 2010 (pp 23/190)
AD-3	10/11/2009	22.2	1.9	Confined. Groundwater initially reached at 35 ft bgs and stabilized at 22.2 ft bgs. Soil mostly dry clayey silts until ~33 ft bgs	ERM-West Inc., Site Characterization Summary Report, January 20, 2010 (pp 29/190)
B9	3/28/2016	16.2	38	Confined. Groundwater initially reached at 18 ft bgs and stabilized at 16.2 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B10	3/28/2016	15.5	56	Confined. Groundwater initially reached at 17.5 ft bgs at 13:00 and stabilized at 15.5 ft bgs.	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B11	3/28/2016	18.5	18	Not confined. Groundwater initially reached at 18 ft bgs and stabilized to 18.5 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B12	3/28/2016	17.1	3	Minimally confined. Groundwater initially reached at 17.5 ft bgs and stabilized at 17.1 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B13	3/28/2016	17.2	18	Confined. Groundwater initially reached at 19.5 ft bgs and stabilized at 17.2 ft bgs	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B14	3/29/2016	19.3	2.1	Not confined. Groundwater initially reached at 18 ft bgs and stabilized to 19.3 ft bgs after overnight wait	P&D Environmental Inc., Site Investigation and Soil Vapor Extraction Report, July 11, 2016 (Stabilized water level in boring log remarks)
B15	3/16/2018	23.7	4.6	Not confined. Groundwater initially reached at 19 ft bgs and stabilized overnight in casing at 23.7 ft bgs	EnviroAssets, Inc., Boring log for B15 (attached)



Appendix A Permits and Field Notes




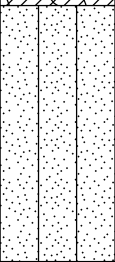
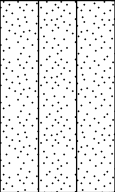
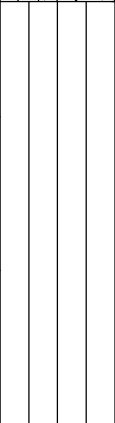
Project Name: Red Hanger Cleaners	Location ID: Oakland, CA	Location: 307 63rd Street
Project Number: EA270	General Area:	
Drilling Contractor: Gregg Drilling	Geologist: George Mead, P.G.	
Drilling Method: Directpush Badger Marl D75	Certified By: George Mead, P.G.	
Date(s): 3/15/2018-3/16/2018	Elevation:	Borehole Diameter: 2.25
	Total Depth (bgs): 24	

DEPTH (ft. BGL)	SAMPLE ID.	BLOW COUNTS	RECOVERY (inches)	Sample Type	Recovery (%)	GRAPHIC LOG	U.S.C.S.	LITHOLOGIC DESCRIPTION	VAPOR (PID)	Water Levels	DEPTH (ft. BGL)
0			0				GC	3" Concrete	0		
32	X						SM	Silty Sand: damp, medium dense, dark brown, very fine-grained. Lighter brown starting at 4-5 feet. Increasing silt with depth, moist beyond 6.5 ft	0		
45.6							SM		0		5
48	X						SM	Silty sand with gravel: brown and light brown, damp to moist, dense to very dense. Sub-angular gravel lenses 4 to 6" w/ up to 1 inch sub-angular gravel.	0		10
48							ML	Sandy Silt: moist, hard, light brown to tan. Fine to very fine sand. particularly moist at 15-16 ft.	0		15
43.2							ML	Very moist, almost wet at 19-20 ft	0		20
48							ML		0		20
								Bottom of borehole at 24.0 feet.			

EA BORING LOG TEMPLATE - EA 270 RED HANGER BORING LOGS.GPJ - 6/20/18 16:57 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\EA 270 RED HANGER BORING LOGS.GPJ

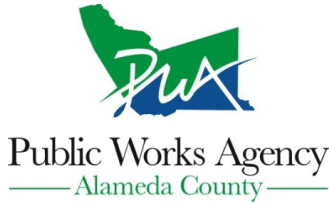


Project Name:Red Hanger Cleaners	Location ID:Oakland, CA	Location:307 63rd Street
Project Number: EA270	General Area:	
Drilling Contractor:Gregg Drilling	Geologist:George Mead, P.G.	
Drilling Method:Directpush Badger Marl D75	Certified By:George Mead, P.G.	
Date(s):3/15/2018-3/16/2018	Elevation:	Borehole Diameter:2.25
	Total Depth (bgs):24	

DEPTH (ft. BGL)	SAMPLE ID.	BLOW COUNTS	RECOVERY (inches)	Sample Type	Recovery (%)	GRAPHIC LOG	U.S.C.S.	LITHOLOGIC DESCRIPTION	VAPOR (PID)	Water Levels	DEPTH (ft. BGL)
			0				GC	3" Concrete	0		
			78				SM	Silty Sand: damp brown, medium dense. Sub-angular gravel lenses with medium to coarse sand lenses	0		
5											5
			48				SM	Silty Sand: with gravel, damp to moist, brown and light brown, dense to very dense, sub-angular gravel lenses with coarse sand 4" to 6" with up to 1" sub-angular gravel.	0		
10											10
			48				ML	Sandy Silt, moist, hard, light brown to tan. Fine to very fine-grained. Increasingly moist zone 18-19 Very moist 20-21.5', stiff Gradually harder with greater depth (Set 1" casing to 24, 14-24 screen no groundwater)	0		
15											15
			48								20
20											20
								Bottom of borehole at 24.0 feet.			

EA BORING LOG TEMPLATE - EA 270 RED HANGER BORING LOGS.GPJ - 6/20/18 16:57 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\EA 270 RED HANGER BORING LOGS.GPJ

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/13/2018 By jamesy

Permit Numbers: W2018-0161 to W2018-0162
Permits Valid from 03/15/2018 to 03/16/2018

Application Id: 1520865870229
Site Location: 307 63rd St, Oakland, CA 94618, USA
Project Start Date: 03/15/2018
Assigned Inspector: Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@acpwa.org

City of Project Site:Oakland

Completion Date:03/16/2018

Applicant: EnviroAssets - George Mead
6037 La Salle Avenue, Oakland, CA 94611

Phone: 831-359-2160

Property Owner: Vasilio Bouzos
PO Box 11238, Oakland, CA 94611

Phone: 510-772-2435

Client: ** same as Property Owner **

	Total Due:	\$530.00
Receipt Number: WR2018-0125	Total Amount Paid:	\$530.00
Payer Name : George Mead	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only (soil and water only) - 2 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2018-0161	03/13/2018	06/13/2018	2	2.25 in.	17.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

Alameda County Public Works Agency - Water Resources Well Permit

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Borehole(s) for Investigation-Vapor Sampling 24 to 48 hours only - 2 Boreholes

Driller: Gregg Drilling - Lic #: 485165 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2018-0162	03/13/2018	06/13/2018	2	1.40 in.	15.00 ft

Specific Work Permit Conditions

1. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
2. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.
4. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

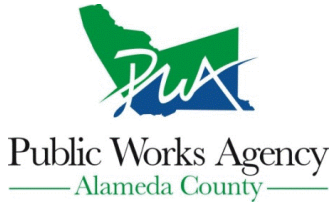
Alameda County Public Works Agency - Water Resources Well Permit

5. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
6. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
7. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
8. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
9. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.
10. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Temp Vapor wells shall not be converted to monitoring Vapor wells, without a separate permit application process.
11. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/03/2018 By jamesy

Permit Numbers: W2018-0376
Permits Valid from 05/08/2018 to 05/11/2018

Application Id: 1524940719981
Site Location: 6251 College Ave, Oakland, CA 94618, USA
Project Start Date: 05/08/2018
Assigned Inspector: Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@acpwa.org

City of Project Site:Oakland

Completion Date:05/11/2018

Applicant: EnviroAssets - Michael Harrison
6037 La Salle Avenue, Oakland, CA 94611
Property Owner: Vasilio Bouzos
PO Box 11238, Oakland, CA 94611
Client: ** same as Property Owner **

Phone: 510-390-6518

Phone: 510-772-2435

	Total Due:	\$265.00
Receipt Number: WR2018-0229	Total Amount Paid:	\$265.00
Payer Name : Michael E Harrison	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Vapor Sampling 24 to 48 hours only - 1 Boreholes
Driller: EnviroAssets - Lic #: 000000 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2018-0376	05/03/2018	08/06/2018	1	2.25 in.	7.00 ft

Specific Work Permit Conditions

1. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
2. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
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Alameda County Public Works Agency - Water Resources Well Permit

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Soil Vapor Sampling Data Sheet

Date: 5/14/18

Sampled By: MIB + MPT

Sample Number: V-1317-5.5

Project Name: BWESD
Sample Location: Between Bldgs
Weather: Fair
Air Temp: 54°
Barometric Pressure: _____

Project Number: EA 270
PID (Model/Serial #): KAE 3000
He Detector (model/Serial #): MCD 2002 41264
Ground Surface: dirt

Probe Installation
Date/Time: 5/14/18 10:55AM
Probe Depth: 5.5
Sample Train Length: 7'
Purge Method: syringe

PRT adapter check:
Probe Pullback: 1' (12")
Purge Volume: 29.96 in.
Volume Purged: _____

1 v.l = 160 mL

Helium Tracer Leak Test Data

Sample Collection

Date	Time	Purge Vol.	He %	He %	He in Probe (ppm)	PID in Probe (ppb)	He % Shroud Min	He % Shroud Max
			Shroud Min	Shroud Max				
5/14	13:16	shot in	25 in Hg	13.18	26.11	Ag		
	13:29	160	29.4%	22%	350			
	13:55	400	21.7	21.6	1.7%			
	14:25	560	21.3					
	14:34	720	25.7					

Canister Information

Date	Time	Sample ID	Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum	Final Vacuum
5/14	14:40	V-	132	2640	700 1308	> 30 in	7 psi
	14:40	He	20% → 32.7%				
	14:45		31.4%				
	14:50		29.6%				

Comments

Replace PRT @ 14:20. He detector 400ppm ambient
14:30 ambient 350ppm PID @ 1.5ppm
Post sample PID @ 107ppm

EQUIPCO

RENTALS

RADIODETECTION MGD2002 PERFORMANCE VERIFICATION CERTIFICATE

SERVICE TECHNICIAN: WMA

DATE: 5/11/18

INSTRUMENT INFORMATION

RENTAL ID#: MGD2002. 69 SERIAL NUMBER: 041264

CALIBRATION INFORMATION

VERIFICATION GAS 1:

RESPONSE TO GAS 1:

Helium UHP 99.99 %VOL

99.7 %VOL $\pm 2\%$

LOT#: 105-102384863-2

ZERO AIR RESPONSE:

0 %VOL

LOT#: 05112018

THANK YOU FOR RENTING FROM EQUIPCO

This instrument has been thoroughly tested by a laboratory certified service technician before delivery to you.
If you have any questions or difficulties please call us immediately and request technical support.

1-888-234-5678

Your Name: Matt Harband Well No.: _____
 Date: 5/7/18 Project No.: EA270
 Project Name: Bouzos College Ave - Red Hanger Cleaners

ACTIVITIES (Include event, time, observations, observers, etc.):

Time:

- 8:30 Arrived onsite, Dan Bouzos waiting ~~outside~~ ^{outside} for workers to arrive, FUGRO people at Cole's coffee eating breakfast → Jeri-Anne and Joe
- 8:55 Sewer workers arrive and begin using instrument to locate sewer lines, FUGRO still eating breakfast
- 9:11 Worker says water should be turned off part of the day on 5/8 and all days/yr.
 ~ 11 am - 4 pm 5/8
 ~ Pipe bursting expected tomorrow (5/8)
- 9:25 Workers begin jackhammering out in the street, DONE JACKHAMMERING + Shovelling 10:22
- New plan for excavation (see back of this page for crude map).
- 9:52
- Workers go down in hole, seem to have made it to pipe.
 - Cutting of sidewalk portion inside building begins with water used to cut down on particulate matter movement.
- 10:13
- Cutting of sidewalk inside, done.
 - Pipe bursting from trench in the middle of street to the trench along 63rd street sidewalk, trenching from there to other pit inside building.
- 10:30
- Jackhammering begins on cut sidewalk pit
- 10:40
- Jackhammering done. Hand shovelling begins on sidewalk pit
- 10:56
- Hand-shovelling begins in 63rd St. pit, pipe hit at ~7 ft. bgs.
- 11:45
- Cover 63rd St. pit w/ metal plate
- 12:06 - 12:58
- Break for lunch

PRINT NAME: Matthew Harband

SIGNED: Matthew Harband

Your Name: Matt Harband
 Date: 5/7/18
 Project Name: Red Hanger Cleaners

Well No.: _____
 Project No.: EA 270

ACTIVITIES (Include event, time, observations, observers, etc.):

Time:

1:25 → digging (with jackhammer) resumes in sidewalk pit. Workers begin digging trench inside by hand and w/ jackhammers

2:08 Hand digging in trench, hit top of pipe

3:10 PM Still digging manually and w/ jackhammers in trench and sidewalk pit.

3:33 PM Top of pipe hit in sidewalk pit.

Bag Sample 1 taken 3:38 : North Pit (sidewalk) 64" from top of slab

at collection → ^{Matt} 0.0 ppm ^{Fugro} 0.0 ppm

* Some air in bag, could be moisture, not volatiles.

before put in bag

bag → ^{Matt} 0.8 ppm ^{FUGRO} 0.0 ppm

after ~10 mins

~~3:53~~ 3:53 PM Bag Sample 2 taken: South Pit (Inside), < 6ft/7in from top of slab.

at collection → ^{Matt} 0.0 ppm ^{FUGRO} N/A

bag after ~10 mins → ^{Matt} 0.0 ppm ^{FUGRO} 0.0 ppm

4:05 Done, left site

PRINT NAME: Matthew Harband

SIGNED: Matthew Harband

Field Activity Report



Date: 4/18/18
 Recorded By: Matt Harband

Project Name: Red Hanger Kleaners (EA 270) Project No.: EA 270
 Client Name: Bouzos brothers Date: _____

ACTIVITIES

Time:	Activities (include event, time, observations, observers, etc.)
9:45	- Arrived onsite, met by client Dan Bouzos - Excavation of 12-14 inches occurred yesterday
9:58	- First sample taken by hand with stainless steel towel, labeled #17. Alcinox and D.I wash used b/w samples and before first sample
10:00	- Second sample (#18) taken
10:02	- Third sample (#19) taken
10:04	- Fourth sample (#20) taken
10:20	left site

GENERAL NOTES

- Sampled counterclockwise from North West corner, closest to 6th street on side with door.
- Used laboratory provided, white mouth glass jars

Print Name: _____ Signature: _____



Date: 4/17/18

Project No.: EA270

Project Name: Oakland Property

Project Location: 307 63rd Street, Oakland

Project Activities: Air monitoring during slab removal and excavation

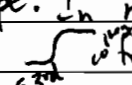
Type of PID/FID: MiniRae 3000

Serial Number: 302

Calibration Reading: 100 ppm isobutylene, 10.6 eV lamp

Targeted Gas Information

Gas	Ionization Potential (eV)	Correction Factor (10.6 eV lamp)	PEL (ppm)	Ceiling (ppm)	PID Corrected Value - PEL	PID Corrected Value - Ceiling
PCE	9.32	0.57	25	100	44	175
TCE	9.45	0.54	25	100	46	185

Time	Activity/Location	PID/FID (ppm)
7:20 AM	• Arrived onsite	
7:25 AM	• Soil being disturbed near abandoned line with claw hammer.	0.0
7:30 AM	• Joe from FUGRO arrives, is manually disturbing soil around ^{around} subsurface area	0.0
7:40 AM	iron-visible pipe. In middle of building shaped like  ^{63rd} from side away from college	0.0
7:55 AM	Workers taking buckets of material out and putting in plastic lined dumpster. ↳ 5 gallon buckets	0.0
8:02 AM	Electric jackhammer used to break up tough rock	0.0
8:05 AM	Spray (Survey) paint used on dirt to mark borders for digging	0.0 1.6
8:08 AM	Joe measuring below breathing height at greenish pipe near back of space	
8:09	Red light scanner near door	0.5
8:10	Far right corner of room, breathing zone	2.5 PPM
8:11	middle of room	0.9 ppm

PRINT NAME: Matthew Harband

SIGNED: Matthew Harband



Date: 4/17/18

Project No.: EA270

Project Name: Oakland Property

Project Location: 307 63rd Street, Oakland

Project Activities: Air monitoring during slab removal and excavation

Type of PID/FID: MiniRae 3000

Serial Number: 302

Calibration Reading: 100 ppm isobutylene, 10.6 eV lamp

Targeted Gas Information

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PCE	9.32	0.57	25	100	44	175
TCE	9.45	0.54	25	100	46	185

Time	Activity/Location	→ cleaning supplies kept here for years	HARRY PID/FID (ppm)
8:13 AM	corner (back right), behind door, ~6 in from ground sampled. Joe got 0.4 on his P.I.D.		1.7
8:13 AM	Middle of room, jackhammering by workers happening simultaneously		0.5
8:19	Workers remove wheelbarrow full of sediment.		0.1
8:25 AM	JOE leaves		
8:30 AM	DAN begins pipe cutting		0.0
8:43 AM	Pipe cutting has been going on intermittently for ~15 mins. middle of room sample		0.0
	liquid coming from underneath liner of dumpster.		0.0
9:00 AM			0.0
9:06 AM	Middle of the room workers shoveling sediment by hand into wheelbarrow		0.0
9:28 AM	Final measurement taken, middle of room TOMORROW HARRY WANTS SOIL SAMPLES TAKEN.		
9:30	Leave premises		

PRINT NAME:

Matthew Harband

SIGNED:

Matthew Harband



Date: 4/16/18

Project No.: EA270

Project Name: Oakland Property

Project Location: 307 63rd Street, Oakland

Project Activities: Air monitoring during slab removal and excavation

Type of PID/FID: MiniRae 3000

Serial Number: 302

Calibration Reading: 100 ppm isobutylene, 10.6 eV lamp

Targeted Gas Information

Gas	Ionization Potential (eV)	Correction Factor (10.6 eV lamp)	PEL (ppm)	Ceiling (ppm)	PID Corrected Value - PEL	PID Corrected Value - Ceiling
PCE	9.32	0.57	25	100	44	175
TCE	9.45	0.54	25	100	46	185

Time	Activity/Location	PID/FID (ppm)
10:20 AM	Arrived, concrete already excavated + removed (odors ^{may} come from pipe cutting/grinding; fumes)	
	• FUGRO not here	
10:46	• Breathing zone P.I.D in space • Floor mixture of gravel and brown dirt • Abandoned pipes and abandoned clean out	0.00
10:50	• Keith Nowell ADEH shows up.	
11:00	• Keith Nowell leaves	
	• Joe Wherte expected from FUGRO 510-604-9452	
11:06	• Called Joe, left message saying concrete removal was complete and that excavation starts at 8 AM tomorrow (4/17) left information to call back.	

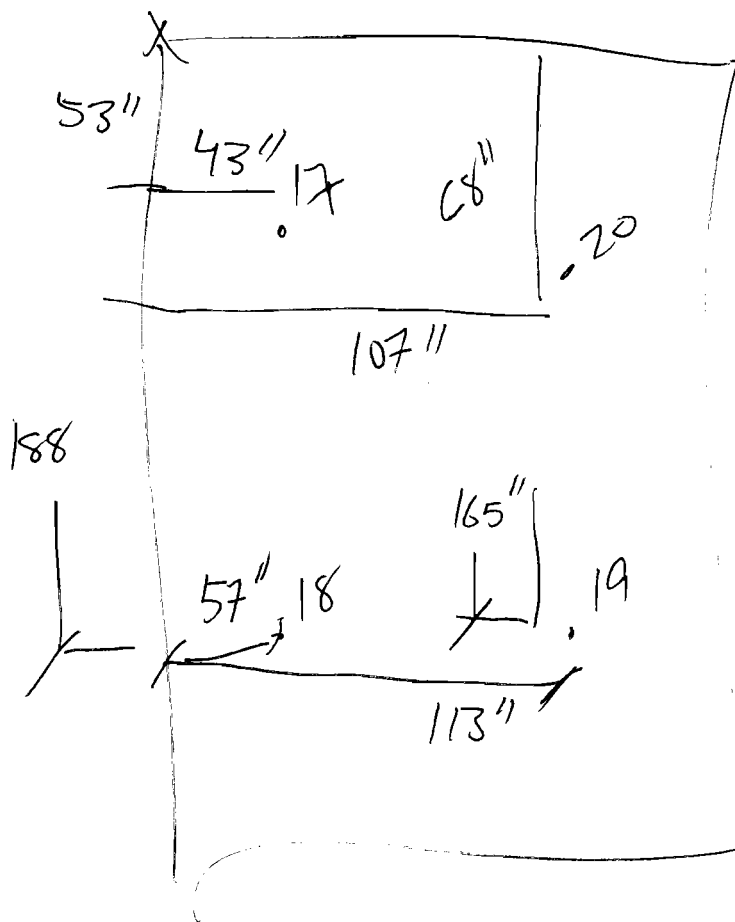
PRINT NAME: Matthew Harband

SIGNED: Matthew Harband

12-14" Excavation

4/18/2018

Control



San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

182794

Client Contact		Project Manager: Michael Harrison		Site Contact: M. Harrison		Date:		COC No:	
EnviroAssets, Inc. 6037 La Salle Avenue Oakland, CA 94611		Tel/Fax: 510.346.9500/510.346.9501		Lab Contact: D. Sharma		Carrier:		1 of 1 COCs	
(510) 346-9500 Phone (510) 346-9501 FAX		Calendar (C) or Work Days (W)		TAT (if different from Below 5-day standard)		Job No. EA270.B.01		SDG No.	
Project Name: 307 63rd Street Site: 307 63rd Street P O # EA270.B.01		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input checked="" type="checkbox"/> 1 day		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input checked="" type="checkbox"/> 1 day		Sample Specific Notes:		24-hr TAT	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Returned Sample		
S-B17-0.5-A		4/18/18	9:58		S	1	Lead (total 6010)		
S-B18-0.5-A		4/18/18	16:00		S	1			
S-B19-0.5-A		4/18/18	10:02		S	1			
S-B20-0.5-A		4/18/18	10:04		S	1			
RUSH!									
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab		Archive For _____ Months	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Global ID# T10000011188		FA		CDF		4.1'	
Relinquished by:		Company: Enviro Assets		Date/Time: 4/18/18 10:05		Received By:		Company: AT 720	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	



Calibration and Components Checklist Photoionization Detector

RAE Instrument ID # _____ RAE 2000
 RAE Instrument ID # 302 RAE 3000
 RAE Instrument ID # _____ RAE 3000 PPB
 RAE Instrument ID # _____ Ultra RAE

Components

Lamp 9.8 _____ Lamp 10.6 Lamp 11.7 _____ Lamp 11.8 _____

Date Out: 04/13

Date In: _____

Meter:
 Probe:
 Filter:
 Charger:
 Manual:
 Case:
 Calibration Sheet:
 Terms & Conditions:

_____ Meter
 _____ Probe
 _____ Filter
 _____ Charger
 _____ Manual
 _____ Case
 _____ Calibration Sheet
 _____ Terms & Conditions

Parameters

Response Factor 1.00

Calibration Gases Used

100 ppm Isobutylene
 10 ppm Isobutylene _____
 100 ppm Hexane _____
 10 ppm Benzene _____
 Other Gas Used _____

100 Meter Response
 _____ Meter Response
 _____ Meter Response
 _____ Meter Response
 _____ Meter Response

Inspected & Calibrated By: [Signature]

Date: 04/13

Note: This unit has been tested and is in proper working condition. This unit has been cleaned and should be returned in the same condition. Any components missing upon return of this instrument shall be billed at the current price. If the unit is returned overly dirty or damaged a service order will be issued and your account will be billed. Should the unit malfunction you must notify EILCO within 24 hours or you will be billed for the time the unit was in your possession.

Your Name: George Mend
Date: 3/13/18
Project Name: Red Hunger

Well No.: _____
Project No.: EA 270

Page of

ACTIVITIES (Include event, time, observations, observers, etc.):

Time: 8-15 Arrive cool intermittent showers
Jeri Ann Fugro Devon Johnson
Don Frazier arrives 9:15 facade will be removed for rig

14'2" wide space 15'2" high ceiling

Jeri wants PID reading when vapor pins are opened and when concrete core opens slab

Harry wants expedited (24 hour depending on price) for shallow soil for disposal

4" sanitary sewer in 307 runs N-S along east wall 5' deep 5' in² near street
1.5" SS ties in from west wall halfway down building and runs E-W
4" SS from former toilet ties in from south wall runs E-W

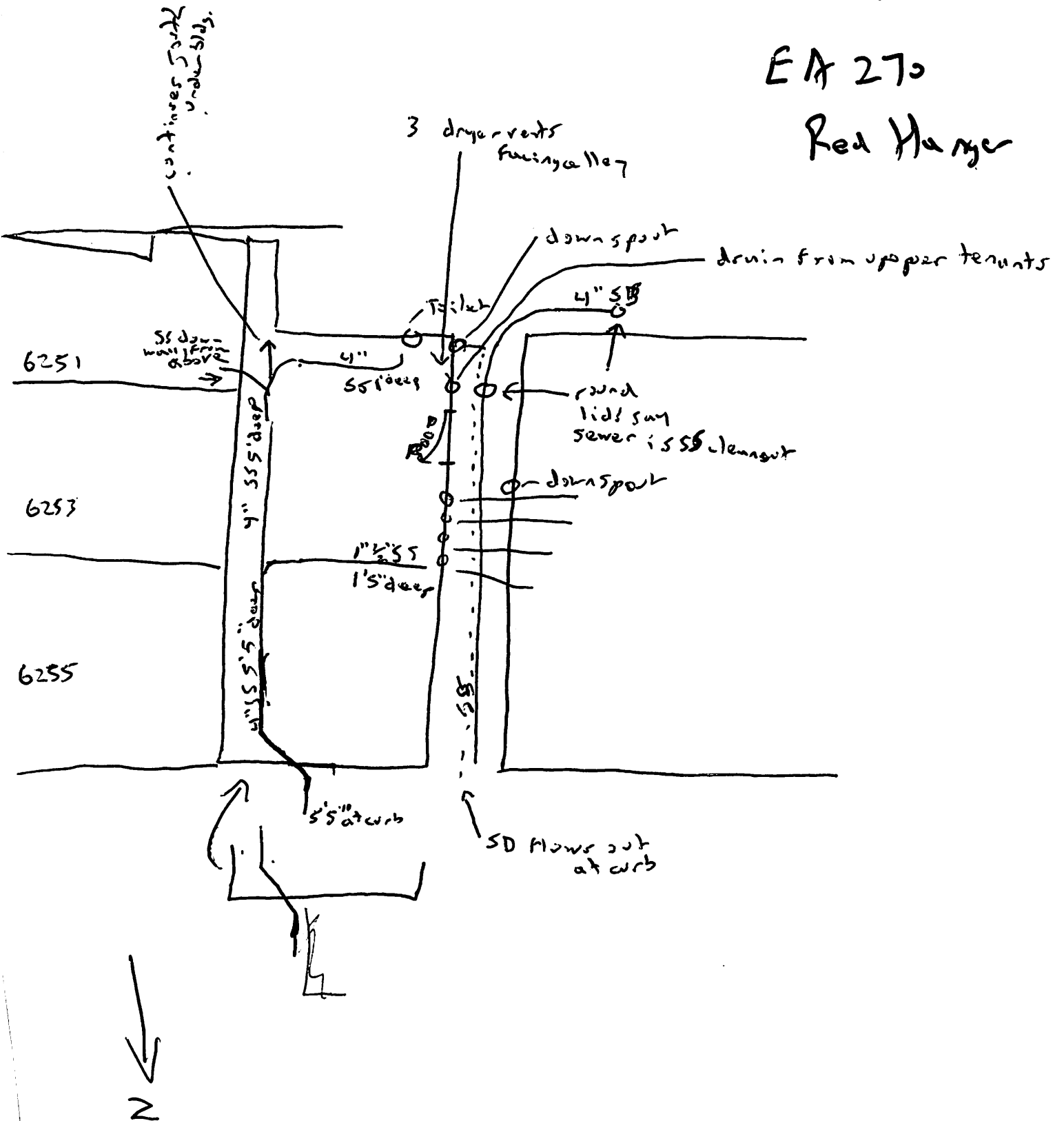
100 Jeri leaves
Nested SS and SD in alley run N-S SS ties in to rear of 309
200 Subtronic leaves

PRINT NAME: _____ SIGNED: _____

3/13/18

EA 270

Red Hanger



Your Name: George Mead
Date: 3/14/18
Project Name: FA 270

Well No.: _____
Project No.: _____

ACTIVITIES (Include event, time, observations, observers, etc.):

Time: ~~045~~ 2045 → 005 Thursday leave cool / cloudy
Harry Zack
Joe Whearty Jeri
→ per Harry from wet floor cleanup

VP-1 in 307 63rd Standing water in pin cavity

Zack tested w/syringe no water in pin

- EA 507 ppb w/ plastic disc pin w/ tubing
- 223 ppb w/ desiccant tube and disc 305 ppb w/ desiccant no disc
- 190 ppb w/ no tube or disc
- 425 ppb teflon tube only
- 0 ppb w/ Fugro probe tip
- Fugro 0 ppm VP-1
- 0.1 ppm w teflon tubing from confluence

EA 0 ppb w/ silicon smaller tubing

15 minute sample @ confluence lab (100-150) 145 (lab) Flow → lab flow meter says 100 to 150
initial pressure 25 final "

2141 VP-1 sample

VP-3 no water in pin cavity

2200 Fugro 0 ppm in pin EA 23 ambient 304 in pin
initial pressure 27 final 13

15 minutes @ 100-150 128 (lab) flow
2226 VP-3 sample

~~VP-2~~ VP-2 Fugro 0.2 barb only EA 0 ppm ambient

2240 0.2 with teflon tube 290 in pin no tube
1500 in pin w/ teflon

2309 sample initial 32 16 final
15 minutes @ 100-150 125 (lab) Flow
SIGNED:

PRINT NAME:

2320 VP-4 Nail salon
Fugro 3.0 EA 3560 Ambient
EA10893-09.xls 4200 in pin no tube
2.5 in pin no tube

initial 27
20 @ 18 minutes
15 @ 23 minutes
100-150 82 (lab)

Your Name: George Mend
Date: 3/15/13
Project Name: Red Hunger

Well No.: _____
Project No.: EA 270

ACTIVITIES (Include event, time, observations, observers, etc.):

Time: 7:30 cloudy cool intermittent sprinkles 11:15

Harry on site

7:35 Greg arrives Lou Lewis } 7:40 Lou/Greg calls yard to
7:45 Joe W arrives Fugro } have controller for rig delivered

Karen Fugro Zack confluence } Forget tabling
Rob/Osborn concrete curing } Jeri Fugro

8:10 Safety meeting

Joe Fugro Multi-Rate Plus PPM RAC-10

9:15 Coring complete 6 4" diameter 3"

Fugro pid 900 start BIS VP set dip and bentonite @ 925
0 ppm
in 100' } Consistent 0 ppm CO readings ambient and by Badger

9:27 start BIS VP7 exhaust fan 45 ppm spike 2' under
from exhaust gas motor for auxiliary fan

9:35 finish 9:39 set Bentonite

9:41 start B16 VP15 set dip 953 959 set bentonite
9:55 start B16 VP7 set dip 959 959 set bentonite

10:24 B15 S/GW start
Several inches water moisture @

11:00 drive to 24' no water hole collapsed to 19'

12:05 reopened hole to 24' set 1" casing w/10' screen 14-24'

11:50 BIS VP 7 and 15 0 pid in tube after open valve Fugro and EA
12:07 B16 VP 7 and 15 0 pid in tube after open valve Fugro and EA

12:10 B16 S/GW start drive to 20' set 1" casing screen 10-20'

12:32 ^{200/12} B15 VP 7 pre 28 post 13 19 minutes 100-150 106 lab

12:30 sample B15 VP 15 pre 24 post 12 17 minutes 100-150 144 lab

13:00 No gw B15 S/GW to 24' B16 S/GW to 20' 1" casing to 20' screen 10-20' no water

PRINT NAME: 1320 B16 S/GW to 24' screen 14-24' SIGNED: _____
no water

Your Name: George Mend Well No.: _____
 Date: 3/15/18 Project No.: _____
 Project Name: Red Hanger

ACTIVITIES (Include event, time, observations, observers, etc.):

Time: _____

B16 VP 15 1334 sample start 32 end 15
 25 minutes 100-150 115 lab

B16 VP7 1329 sample start 25 end 10
 20 minutes 100-150 115 lab

1415 Marcelino ACPW arrives
 authorizes B15 S/GW and B16 J/GW to remain
 open through 3/16 or Monday 3/19 if necessary
 Must be inspected and sealed no later than 3/19

1420 Zach leaves site
 Dan Bourcier authorizes EA and Gregg to be on site 3/16
 and 3/19 if necessary to sample & seal

1445 ~~1445~~ Marcelino leaves all vapor holes grouted after Gregg pulls
 rods and vapor tubing

1500 Badger threw a truck

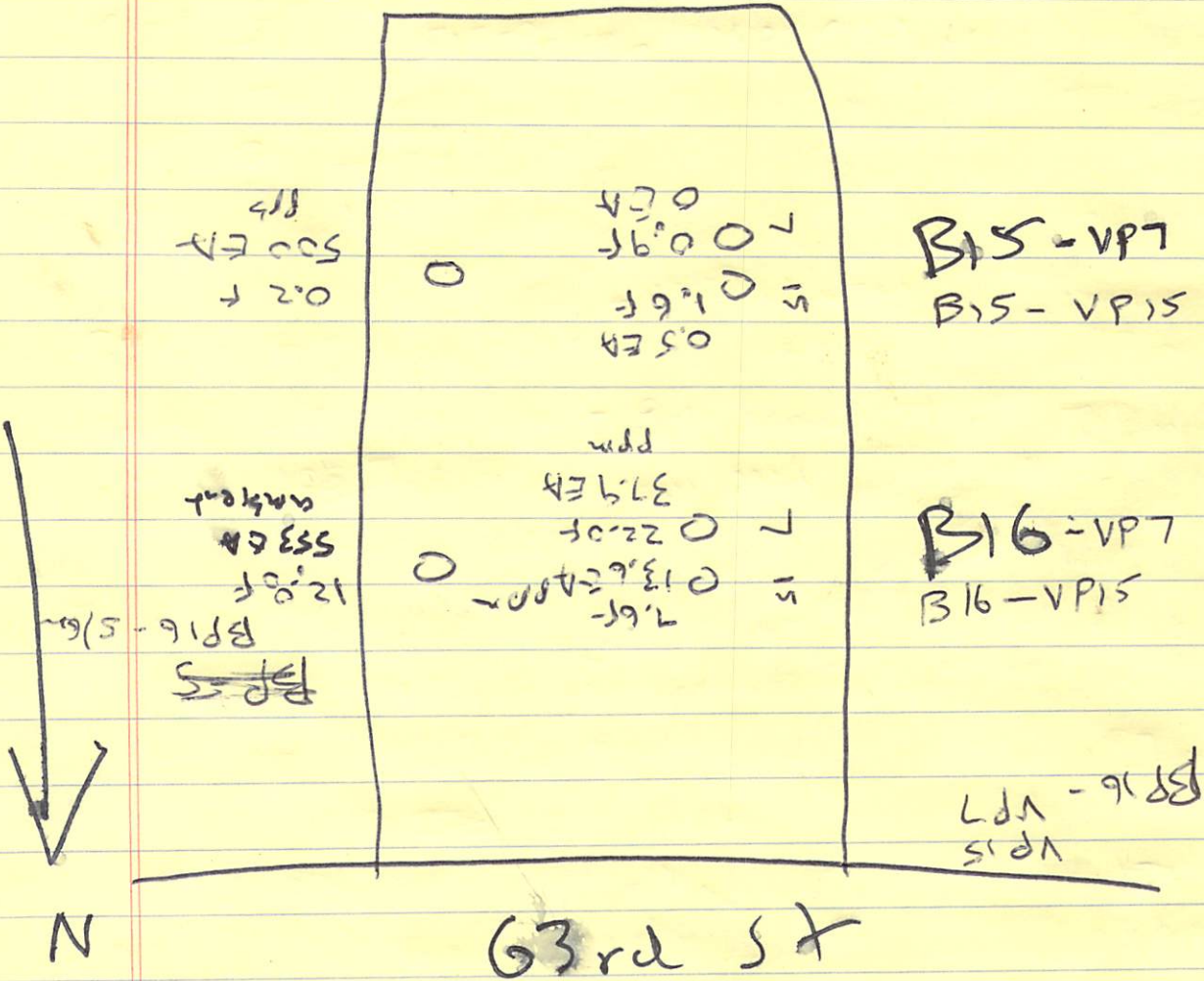
1610 Mechanic arrives

1645 leave site Gregg almost gone

PRINT NAME:

SIGNED:

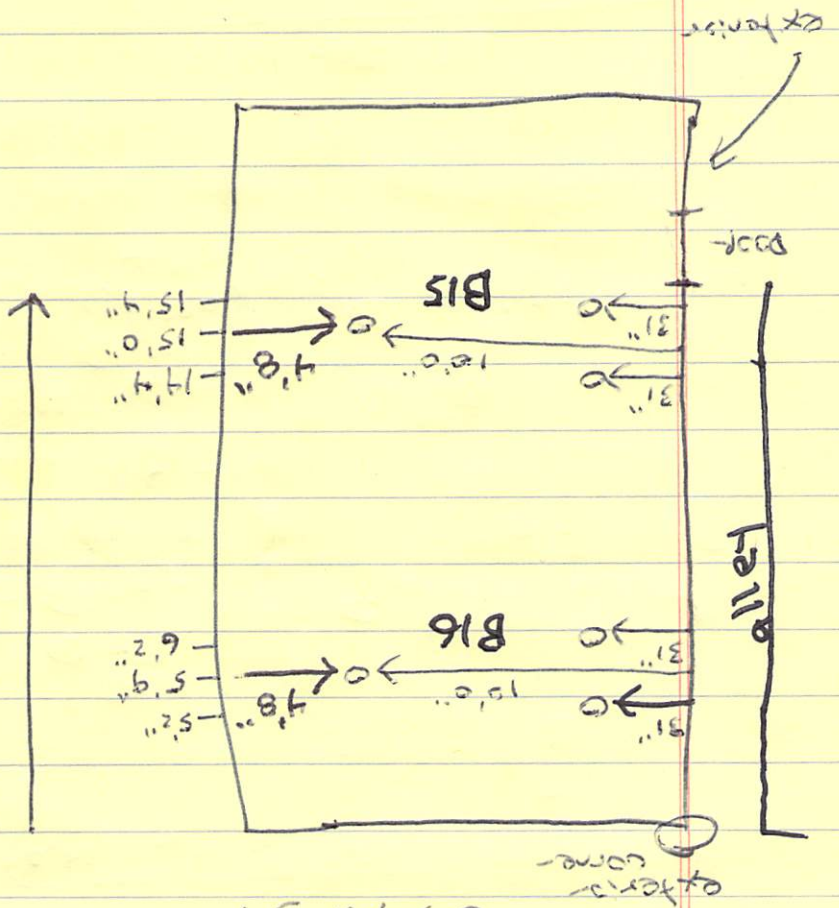
W



3/15/18 EA 270
Red Hanger
concrete core p/d readings
all holes have
standards water

Red Hanger
3/15/18

ET 270



63rd St

Your Name: George Mend
Date: 3/16/18
Project Name: Red Hanger

Well No.: _____
Project No.: EA 270

Page of

ACTIVITIES (Include event, time, observations, observers, etc.):

Time: arrive 9:10
Lois / Lois Greig

B16 S/GW sounded 00:24

B15 S/GW DSW 23.7

0935 collect 3 VOA's B15 S/GW 0 pid in for casing

Dan requests 3 day TAT for shallow soil

1015 Marcelino on site witness grouting of
B15 S/GW and B16 S/GW

1050 Lois / Lois leave

PRINT NAME:

SIGNED:

0915 arrive 5/20/13 EA 270
Karen/Kyras Chris Cruz Jan Barros

1100 Karen leaves

sewer cleanout beneath stairs behind 309

1105 Cruz leaves

2' pipe section along
60' 10" break

1120 EA leaves

lots of roots coming in joints every 2 feet

84 miles @ La Salle

From cleanout all down alley

80' 4" pipe is broken/crushed

1330 leave La Salle

beneath street

87' 0" is city main

1525 Home

160

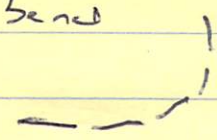
88 miles

pipe is in 2' sections all the way

all joints are compromised

break @ 60' 10" was pinpointed and spray
with X on sidewalk just north of gate

turn from behind 309 leading into alley is
section of 2' pipes staggered to make bend



Storm drain has flat spot from
10' south of gate to the curb
cast iron 10' section good integrity

Sanitary from cleanout in back nail sales,
debris 25' 0" broken pipe on left and right
and is in retrofit space 357 old pipe
possible break 25.5" west of main 13' 3" south of
bldg front

Video Sequence

EA 270

Red Hunger

- ④ Video toilet flange
dry flange no breaks
- ① video san sewer behind 309 to 63rd
- ② video storm sewer alley to 63rd
- ③ video san sewer rail sub to 63rd

S/D
3926518

fed ex EAS

Ground ~~50/box~~ 1000/box
90.94



Appendix B Waste Documentation

Daily Transportation & Disposal Time Ticket



PONDER ENVIRONMENTAL SERVICES, INC.

P.O. Box 1427, Benicia, CA 94510 / 707-748-7775 (Office) / 707-748-7776 (Fax)



WORK ORDER - D #: 15378

For Internal Use Only

Prevailing Wage: Yes / No

6206 (Vacuum Trucks)

7515 (General Maintenance)

9403 (Roll-Off Bins)

CUSTOMER: BOUZOS	SITE ADDRESS: 307 - 63rd St, Oakland	JOB NO: 18-11017	DATE: 4-24-18
		DAY: Mon. / <input checked="" type="radio"/> Tue. / Wed. / Thur. / Fri. / Sat. / Sun.	
CUSTOMER P.O.:			

CONTACT:	PHONE #:	CUSTOMER APPROVAL:
----------	----------	--------------------

JOB DESCRIPTION: PROVIDE R/O 135 TO MOVE BIN # 1726 FROM STAGING AREA TO ROCKET LAUNCHER ACCESS.	COMMENTS:
--	-----------

SERVICE PROFESSIONALS - LAST / FIRST NAME	CLASS	START / END	MEALS		S/T	O/T	P/T
			1st MEAL TIME OUT / IN	2nd MEAL TIME OUT / IN			
KELTON, MITCHELL	D	1130 / 1500	.5		3		

EQUIPMENT					SUPPLIES					
DESCRIPTION	EQUIP / TRL #	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM
PICKUP		MANIFEST		Each	5 GAL BUCKETS		Each			
GEAR TRUCK		2" VAC HOSE		Each	ABS (Kitty Litter)		Each			
5 TON STAKE BED		3" VAC HOSE		Each	ABSOR. PADS		BDL			
50 BBL VAC		4" VAC HOSE		Each	ABSOR. BOOM		Each			
70 BBL VAC		GAS MTR (4 GAS)		Daily	RESPIRATOR		Daily			
120 BBL VAC		BENZENE METER		Daily	CARTRIDGES (DF)		Set			
VACTOR		GAS MTR (FID)		Daily	CARTRIDGES (OV)		Set			
HYDRO EX.		HARNESS		Daily	DEGREASER JPX		Gallons			
BOOM TRUCK		CONTAINMENT (25 ft)		Daily	DRUM LINERS		Each			
48' DRY VAN		CONTAINMENT (50 ft)		Daily	DUCT TAPE		Each			
LOW BOY		55 GAL DM PLY CT		Each	GLOVES (CUT)		Pair			
ROLL OFF (S / D)	135	55 GAL DRM PLY OT		Each	GLOVES (Leather)		Pair			
BIN LINER		55 GAL DRM STL CT		Each	GLOVES (Impact)		Pair			
8 YRD BIN		55 GAL DRM STL OT		Each	GLOVES (PVC)		Pair			
20 YRD BIN		85 GAL SALV DRM		Each	RAGS		LBS / BDL			
40 YRD BIN		CUBIC YARD BOX		Each	RAIN SUITS (FRC)		Each			
TANK 8.5					TRAIN MAT 8'		Each			
					TYVEK (FRC)		Each			
					TYVEK (Poly)		Each			
					TYVEK (White)		Each			
					VISQUEEN (8 ML)		Roll			Gallons
					VISQUEEN (10 ML)		Roll			Gallons

DISPOSAL / SUBCONTRACTORS		
VENDOR	P.O. #	MANIFEST # / BOL #

Daily Transportation & Disposal Time Ticket



PONDER ENVIRONMENTAL SERVICES, INC.

P.O. Box 1427, Benicia, CA 94510 / 707-748-7775 (Office) / 707-748-7776 (Fax)



WORK ORDER - D #: 15917

For Internal Use Only

Prevailing Wage: Yes / No

6206 (Vacuum Trucks)

7515 (General Maintenance)

9403 (Roll-Off Bins)

CUSTOMER: <i>Bouzos Construction</i>	SITE ADDRESS: <i>302 63rd Street Oakland, CA</i>	JOB NO: 18-1107 <i>18.11017</i>	DATE: <i>4/24/18</i>
CONTACT:		DAY: Mon. / <input checked="" type="radio"/> Tue. / Wed. / Thur. / Fri. / Sat. / Sun.	CUSTOMER P.O.:

JOB DESCRIPTION: <i>Pick up one full 20y Bin And Transported to Ponder yard.</i>	COMMENTS: <i>onsite/1300 - 1345</i>
---	--

SERVICE PROFESSIONALS - LAST / FIRST NAME	CLASS	START / END	1st MEAL TIME OUT / IN	2nd MEAL TIME OUT / IN	S/T	O/T	P/T	
<i>Jones, Leonard</i>	<i>7</i>	<i>1200 - 1500</i>			<i>3</i>			

EQUIPMENT					SUPPLIES					
DESCRIPTION	EQUIP / TRL #	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM
PICKUP		MANIFEST		Each	5 GAL BUCKETS		Each			
GEAR TRUCK		2" VAC HOSE		Each	ABS (Kitty Litter)		Each			
5 TON STAKE BED		3" VAC HOSE		Each	ABSOR. PADS		BDL			
50 BBL VAC		4" VAC HOSE		Each	ABSOR. BOOM		Each			
70 BBL VAC		GAS MTR (4 GAS)		Daily	RESPIRATOR		Daily			
120 BBL VAC		BENZENE METER		Daily	CARTRIDGES (DF)		Set			
VECTOR		GAS MTR (FID)		Daily	CARTRIDGES (OV)		Set			
HYDRO EX.		HARNES		Daily	DEGREASER JPX		Gallons			
BOOM TRUCK		CONTAINMENT (25 ft)		Daily	DRUM LINERS		Each			
48' DRY VAN		CONTAINMENT (50 ft)		Daily	DUCT TAPE		Each			
LOW BOY		55 GAL DM PLY CT		Each	GLOVES (CUT)		Pair			
ROLL OFF (S/D) <i>131/272</i>		55 GAL DRM PLY OT		Each	GLOVES (Leather)		Pair			
BIN LINER		55 GAL DRM STL CT		Each	GLOVES (Impact)		Pair			
8 YRD BIN		55 GAL DRM STL OT		Each	GLOVES (PVC)		Pair			
20 YRD BIN		85 GAL SALV DRM		Each	RAGS		LBS / BDL			
40 YRD BIN		CUBIC YARD BOX		Each	RAIN SUITS (FRC)		Each			
TANK 8.5					TRAIN MAT 8'		Each			
					TYVEK (FRC)		Each			
					TYVEK (Poly)		Each			
					TYVEK (White)		Each			
					VISQUEEN (6 ML)		Roll			Gallons
					VISQUEEN (10 ML)		Roll			Gallons

DISPOSAL / SUBCONTRACTORS					MISCELLANEOUS:				
VENOR <i>Chemical Waste</i>	P.O. #	MANIFEST # / BOL # <i>616470895</i>							

Daily Transportation & Disposal Time Ticket



PONDER ENVIRONMENTAL SERVICES, INC.

P.O. Box 1427, Benicia, CA 94510 / 707-748-7775 (Office) / 707-748-7776 (Fax)

WORK ORDER - D #: 15119

<i>For Internal Use Only</i>	
Prevailing Wage: Yes / <input checked="" type="radio"/> No	
6206 (Vacuum Trucks)	
7515 (General Maintenance)	
9403 (Roll-Off Bins)	

CUSTOMER: <i>BOUZOS</i>	SITE ADDRESS: <i>307 - 63rd St, Richmond</i>	JOB NO: <i>18-1017</i>	DATE: <i>4-26-18</i>
		DAY: Mon. / Tue. / Wed. / <input checked="" type="radio"/> Thur. / Fri. / Sat. / Sun.	
CUSTOMER P.O.:			

CONTACT:	PHONE #:	CUSTOMER APPROVAL:
----------	----------	--------------------

JOB DESCRIPTION: <i>take bin # 1726V from yard to Kelleman City, empty and bring back to Ponder yard</i>	COMMENTS:
---	-----------

SERVICE PROFESSIONALS - LAST / FIRST NAME	CLASS	START / END	1st MEAL TIME OUT / IN	2nd MEAL TIME OUT / IN	S/T	O/T	P/T
<i>Bianco Ren</i>	<i>D</i>	<i>0500 1830</i>	<i>.5</i>	<i>.5</i>			

EQUIPMENT					SUPPLIES					
DESCRIPTION	EQUIP / TRL #	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM	DESCRIPTION	QTY	HRS / UM
PICKUP		MANIFEST		Each	5 GAL BUCKETS		Each			
GEAR TRUCK		2" VAC HOSE		Each	ABS (Kitty Litter)		Each			
5 TON STAKE BED		3" VAC HOSE		Each	ABSOR. PADS		BOL			
50 BBL VAC		4" VAC HOSE		Each	ABSOR. BOOM		Each			
70 BBL VAC		GAS MTR (4 GAS)		Daily	RESPIRATOR		Daily			
120 BBL VAC		BENZENE METER		Daily	CARTRIDGES (DF)		Set			
VACTOR		GAS MTR (FID)		Daily	CARTRIDGES (OV)		Set			
HYDRO EX		HARNES		Daily	DEGREASER JPK		Gallons			
BOOM TRUCK		CONTAINMENT (25 ft)		Daily	DRUM LINERS		Each			
48' DRY VAN		CONTAINMENT (50 ft)		Daily	DUCT TAPE		Each			
LOW BOY		55 GAL DM PLY CT		Each	GLOVES (CUT)		Pair			
ROLL OFF (S / D)	<i>134-280</i>	55 GAL DRM PLY OT		Each	GLOVES (Leather)		Pair			
BIN LINER		55 GAL DRM STL CT		Each	GLOVES (Impact)		Pair			
6 YRD BIN		55 GAL DRM STL OT		Each	GLOVES (PVC)		Pair			
20 YRD BIN		85 GAL SALV DRM		Each	RAGS		LBS / BOL			
40 YRD BIN		CUBIC YARD BOX		Each	RAIN SUITS (FRC)		Each			
TANK & S					TRAIN MAT S		Each			
					TYVEK (FRC)		Each			
					TYVEK (Poly)		Each			
					TYVEK (White)		Each			
					VISQUEEN (6 ML)		Roll			Gallons
					VISQUEEN (10 ML)		Roll			Gallons

DISPOSAL / SUBCONTRACTORS		
VENDOR	P.O. #	MANIFEST # / BOL #
<i>Kelleman</i>	<i>740 919</i>	<i>016470595 DJK</i>

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002956945	2. Page 1 of 1	3. Emergency Response Phone (877) 256-8265	4. Manifest Tracking Number 016470895 JJK	
5. Generator's Name and Mailing Address Bouzos Construction PO Box 11238 Oakland, CA 94611			Generator's Site Address (if different than mailing address) 307 63rd Street Oakland, CA 94618			
Generator's Phone: (510) 772-2431						
6. Transporter 1 Company Name Ponder Environmental Services Inc			U.S. EPA ID Number CAR000180737			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Chemical Waste Management Inc Kettleman 35251 Old Skyline Road Kettleman City, CA 93239			U.S. EPA ID Number CAT000646117			
Facility's Phone: (800) 222-2064						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit V/L/Vol	13. Waste Codes
		No.	Type			
1.	Non-RCRA hazardous waste, Solid (Lead Impacted Soil)	001	CM	20	Y	181
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile #CA614254 Bin #1726 PO #740919 Truck # 131/272 Job #18-11017						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Harilouis Bouzos		Signature <i>[Signature]</i>		Month Day Year 4/24/08		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Louise Jones		Signature <i>[Signature]</i>		Month Day Year 4/24/08		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H132		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Ginger Adams		Signature <i>[Signature]</i>		Month Day Year 4/26/08		

DESIGNATED FACILITY
TRANSPORTER (INT'L)
GENERATOR

DATE WEIGHT (LB)

COMMODITY: HAZARDOUS WASTE

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER located at
13251 Old Shiloh Road
Kertman City, CA

12:55 04/26/18 70680lbs

DEPUTY WEIGHMASTER

NO: 180988

TARE:

12:24 04-26-18 39580lbs

[Signature]

WEIGHMASTER CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

NET: 31100 LB

YARDAGE: 20

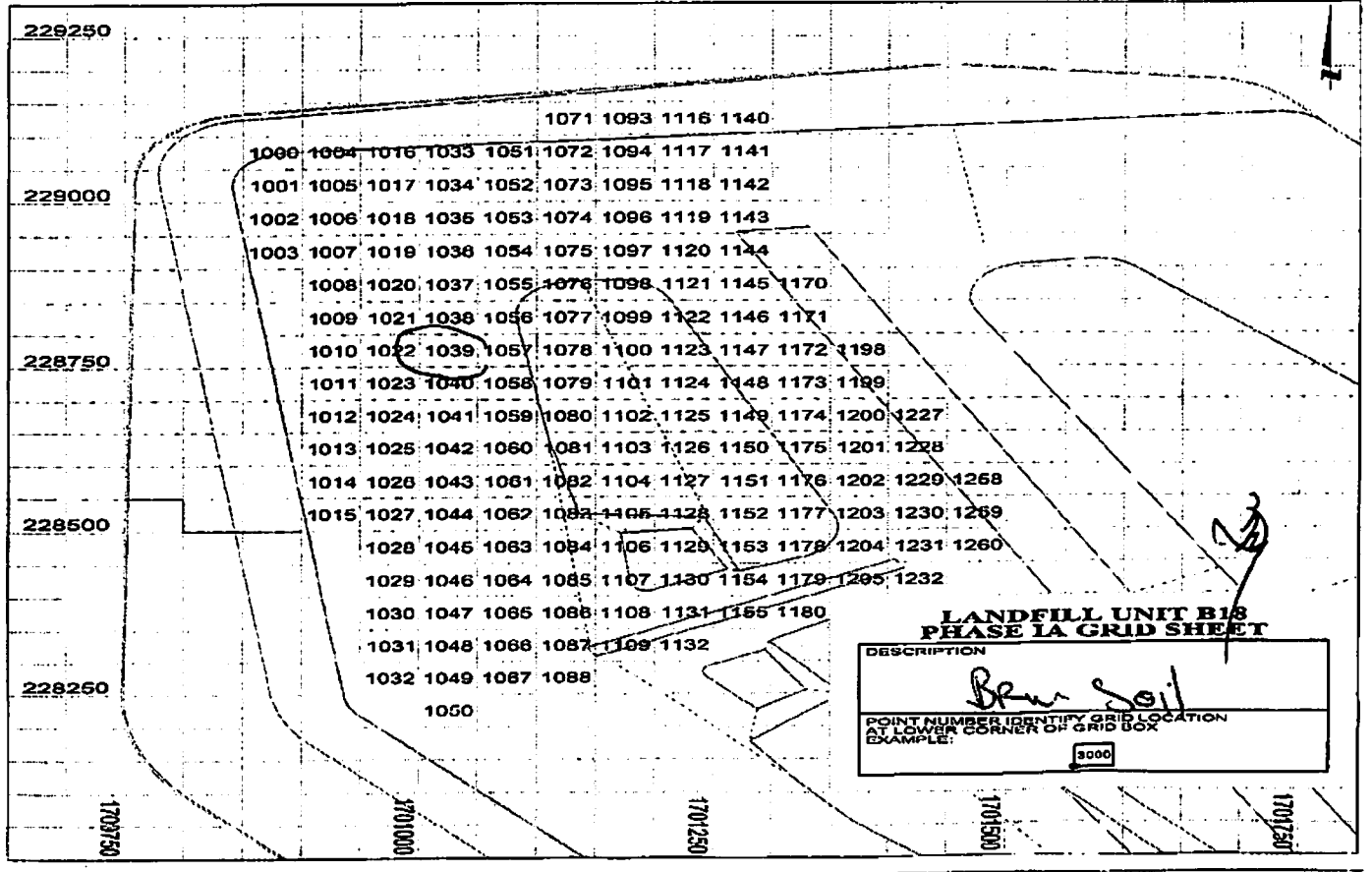
GENERATOR B60705	MANIFEST 01647089501	PROFILE CA614254	SAMPLE TIME
TRACTOR LICENSE # 8126939	TRAILER LICENSE NO	BIN #	DRIVER Kon. Pond
SAMPLE #	NO SAMPLE PER WAP # (CIRCLE ONE) 1 2 3 4 5 6 7 8 9 10		TRANSPORTER

MANDATORY ANALYSIS			SUPPLEMENTAL ANALYSIS			WASHOUT METER		MULTIPLE LOAD #	
PHYSICAL STATE	SOLID	LIQUID	PAINT FILTER TEST	N/A	PASS	FAIL	FINISH	SEE MANIFEST	
APPEARANCE			VISIBLE OIL	NEG	POS		START	PROFILE EXPIRATION	4/19
pH			PERCENT SOLID				GALLONS USED	TREATMENT CODE	3C UNIT
WATER MIX	Δ T	°F	DENSITY		LB/G			TIME OUT	1103
FLAM POTENTIAL	NEG	POS	CALCULATED QTY					REC. TECH.	JOD
CN SCREEN	NEG	POS	LWCT	Δ T	°F				
S SCREEN	NEG	POS	SET	Δ T	°F				
OXIDIZER SCREEN	NEG	POS	> 50% DEBRIS	YES	NO				
RAD. SCREEN	BKGD	POS	> 60 mm	YES	NO				
ANALYST			< 6.75 ft.	YES	NO				
			CAN MAJORITY OF WASTE BE COATED ON ALL SIDES?	YES	NO				
				INIT					

LANDFILL

DATE: 4-26-18 TIME: 1:55 PM UNIT: 26

GRID PT.: 1089 ELEV.: 880





Appendix C Historical Figures

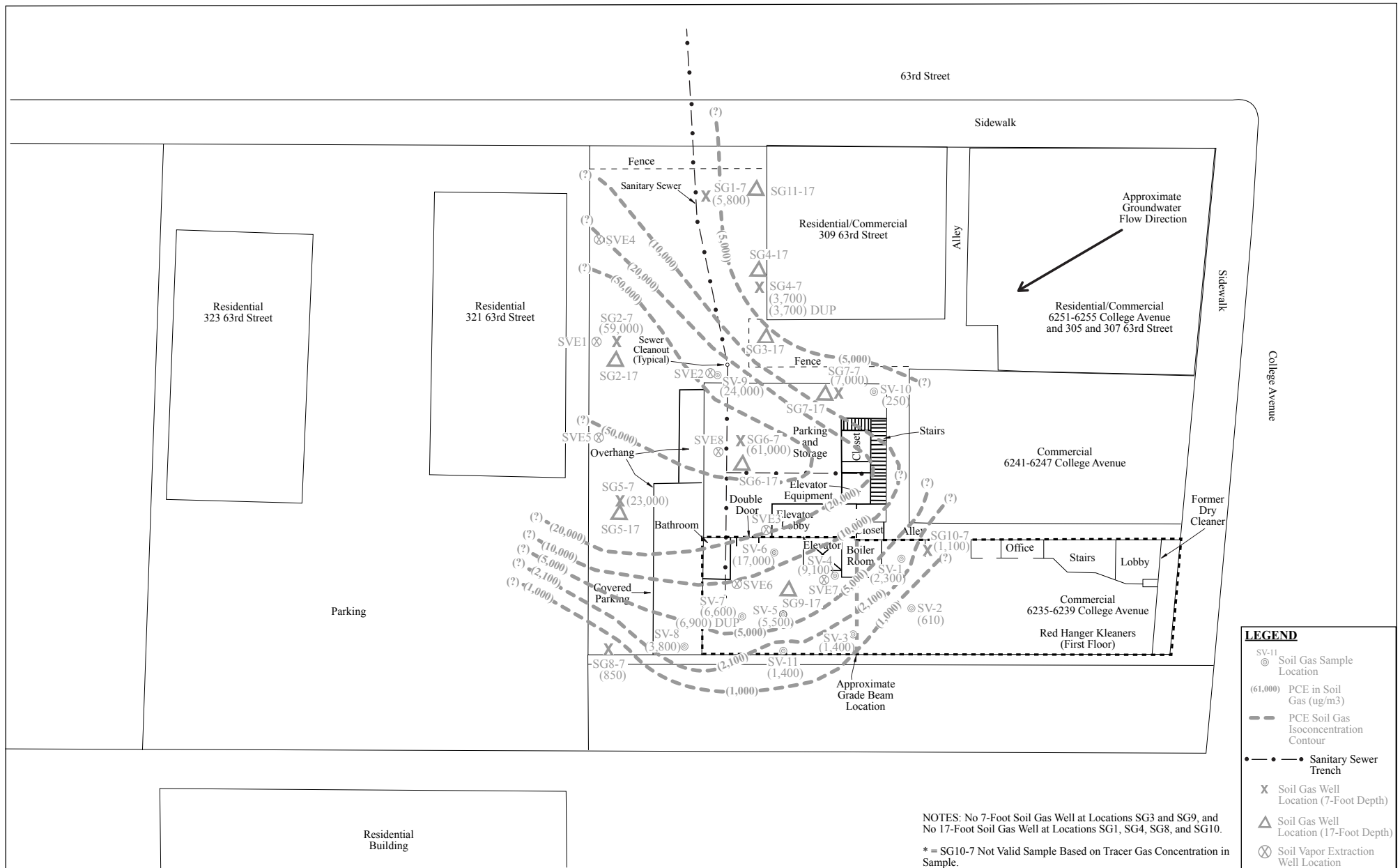
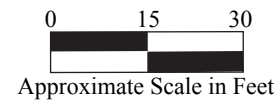


Figure 7
 Site Plan Showing PCE Concentrations in Shallow Soil Gas
 Red Hanger Kleaners
 6239 College Avenue
 Oakland, California

Base Map from:
 Gordon Building, July 30, 2007, Alameda
 County Assessor's Map, Revised June 15, 1989,
 and Google Earth, 2015

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610



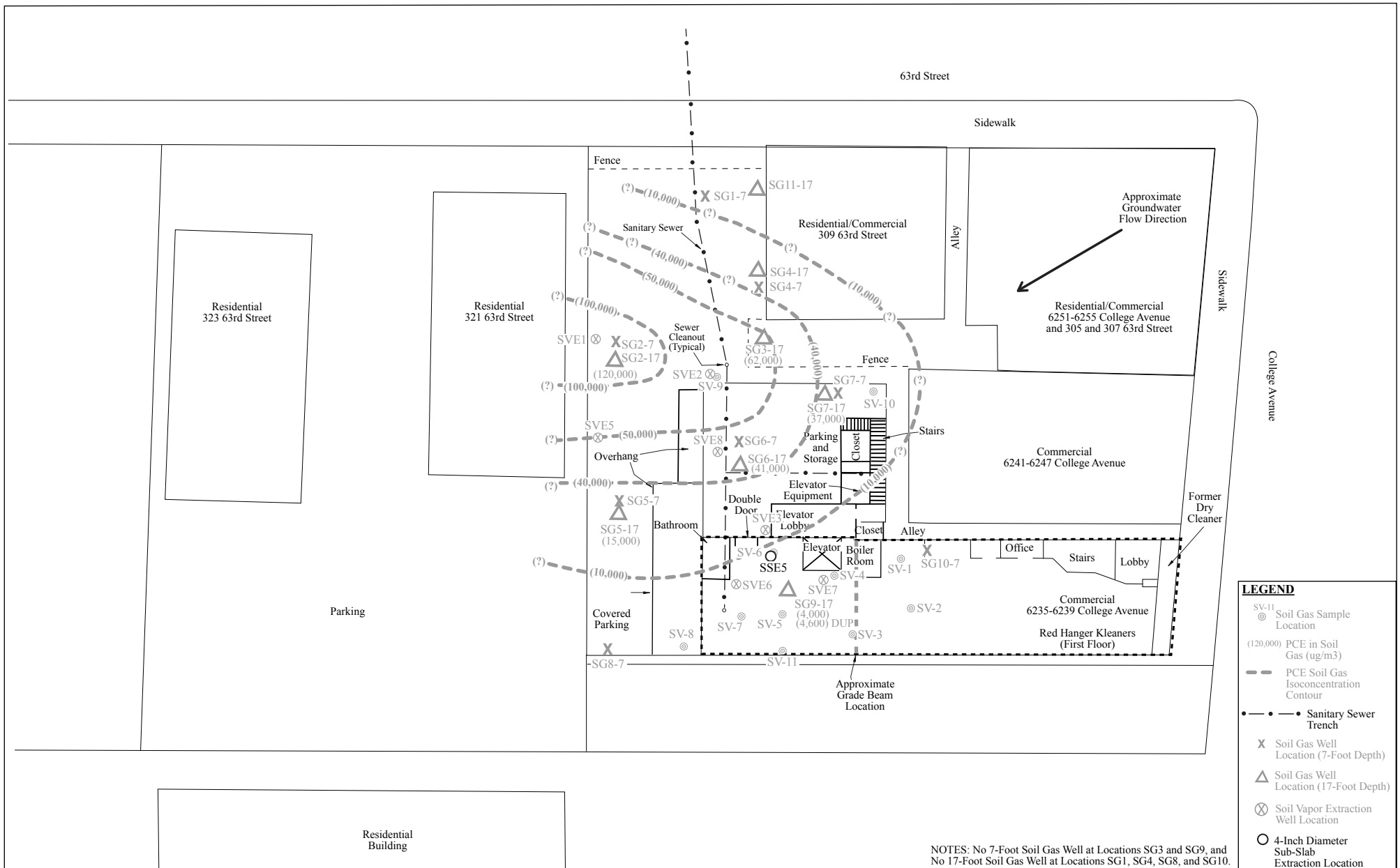
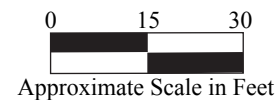


Figure 8
 Site Plan Showing PCE Concentrations in Deep Soil Gas
 Red Hanger Kleaners
 6239 College Avenue
 Oakland, California

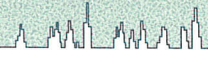
Base Map from:
 Gordon Building, July 30, 2007, Alameda
 County Assessor's Map, Revised June 15, 1989,
 and Google Earth, 2015

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610





Appendix D Laboratory Analytical Reports



Thursday, May 24, 2018

Sample Delivery Group (SDG) 218261
EAS Project Number: 17331

Michael Harrison
EnviroAssets, Inc.
6037 La Salle Avenue
Oakland, CA 94611

Michael,

Enclosed is the analytical report for the samples received and analyzed by Environmental Analytical Service, Inc. for the following Project.

Client Project Name:
PO Number: EA270.B.01
Client Project Number EA270.B.01
Sample Event Date: 5/14/18

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely

A handwritten signature in blue ink, appearing to read "S. Hoyt", written over the word "Sincerely".

Steven D. Hoyt Ph.D.
Laboratory Director

SDH/LIMS

Laboratory Report

Project Name:

EAS SDG Number: **218261**

Client Project Manager: Michael Harrison

Prepared For:

EnviroAssets, Inc.
6037 La Salle Avenue
Oakland

CA 94611

Project Number: 17331

Sample Event Date: 5/14/18

Received Date: 5/17/2018

Report Date: 5/24/2018

Project Number: EA270.B.01

PO Number: EA270.B.01

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

- Laboratory Work Order
- Project Sample Media
- Laboratory Case Narrative and Chain of Custody
- Method Description (when applicable)
- Quality Control Reports
- Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 218261
Client: Michael Harrison
EnviroAssets, Inc.

Project Number: 17331
Received: 5/17/2018

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
V-B17-5.5	218261 1	EPA TO-15 Short Chlorinated List	5/14/2018
V-B17-5.5	218261 1	ASTM D1945 Helium	5/14/2018

Note by EnviroAssets, Inc.
Location renamed to B21 in summary report to accommodate prior sample location nomenclature.

Project Sample Media

SDG Number: 218261

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. Canisters that are received with sub-ambient pressures are pressurized to about 5 psig. The initial pressure of the canister when it is received is recorded along with the final pressure after pressurization. The canister dilution factor is the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample		Pressure, torr		Can Factor
			Media	Batch	Initial	Final	
218261	1	V-B17-5.5	132	032018B	698	698	1.00

Note by EnviroAssets, Inc.

Location renamed to B21 in summary report to accommodate prior sample location nomenclature.

Laboratory Case Narrative

EAS SDG Number: 218261

Project Number: 17331

Client: EnviroAssets, Inc.

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual.

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 5/24/2018

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CHAIN OF CUSTODY RECORD

Project Number		Project Name:				Quote Number:												
REPORT TO:						MATRIX LEGEND A - Ambient Air, Low Level I - Indoor Air S - Source Air, High Level G - Gas/Product	INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	ANALYTICAL TESTS TO-15 low level Helium								
Company EnviroAssets, Inc.																		
Address 1955 Mountain Blvd., #113																		
City/State/Zip Oakland, CA 94611																		
Phone (510) 346-9500 (FAX) (510) 346-9501						ATTENTION mharrison@enviroassets.com												
SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	CANISTER NUMBER	C O M P	G. R. A. B	MATRIX				INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	ANALYTICAL TESTS				REMARKS	
						A	I	S	G									
B17-5.5	5/14/18	14:15	132		X	X				>30 inHg	7 inHg	218261-01	X	X				Pressure guage 1308 stays at ~5inHg w/o connection

COMMENTS

BILLING INFORMATION				SAMPLED BY: <i>[Signature]</i>				Date	Time	Received by:				Date	Time
Company EnviroAssets, Inc.				Relinquished By: <i>[Signature]</i>				5/15	3:45						
Address 1955 Mountain Blvd., #113				Relinquished By:				Date	Time	Received by:				Date	Time
City/State/Zip Oakland, CA 94611				Relinquished By:				Date	Time	Received by:				Date	Time
ATTENTION Michael Harrison				Relinquished By:				Date	Time	Received for lab by: <i>[Signature]</i>				5/17/18	12:00
Purchase Order/Billing Reference EA270.B.01															

[Handwritten signature]

Page 5 of 12

Quality Control Report

EAS SDG Number 218261

Project Number: 17331

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different than the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

A method blank is a laboratory generated sample which assesses the degree to which laboratory operations and procedures cause a false positive. In the method blank, compounds should be present below the reporting limit (RL). Compounds present above the RL are flagged with a "B" in the Analytical Reports in that batch unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B05238

File Name: B05238D.D
Description: METHOD BLANK
Canister:
QC_Batch: 052318-MA1

Date Sampled: Time:
Date Analyzed: 05/23/18 Time: 13:48
Can Dilution Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.25	1.26	ND	0.64	3.21	ND	
75-35-4	1,1-Dichloroethene	0.25	1.24	ND	0.99	4.91	ND	
156-60-5	trans-1,2-Dichloroethene	0.25	0.90	ND	0.99	3.58	ND	
75-34-3	1,1-Dichloroethane	0.25	1.25	ND	1.01	5.05	ND	
156-59-2	cis-1,2-Dichloroethene	0.50	1.35	ND	1.98	5.33	ND	
71-55-6	1,1,1-Trichloroethane	0.25	1.11	ND	1.36	6.05	ND	
107-06-2	1,2-Dichloroethane	0.25	1.14	ND	1.01	4.62	ND	
79-01-6	Trichloroethene	0.15	1.16	ND	0.81	6.26	ND	
127-18-4	Tetrachloroethene	0.15	0.61	ND	1.02	4.12	ND	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	83	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: LABQC
Laboratory Number: B05238

File Name: B05238A

Date Sampled:

Time:

Description: METHOD BLANK

Date Analyzed: 05/23/18

Time: 14:51

Can/Tube#:

QC_Batch: 052318-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.020	0.06	ND	200	600	ND	

QUALITY CONTROL REPORT

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 052318-MA1

Date: 05/23/18

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery %	Flag	Recovery %	Flag	LCL %	UCL %	Duplicate %	Limit %	
75-01-4	Vinyl chloride	94		88		70	130	6	25	
75-35-4	1,1-Dichloroethene	104		98		70	130	6	25	
75-09-2	Dichloromethane	105		99		70	130	6	25	
75-34-3	1,1-Dichloroethane	104		99		70	130	5	25	
67-66-3	Chloroform	104		101		70	130	3	25	
71-55-6	1,1,1-Trichloroethane	99		96		70	130	2	25	
107-06-2	1,2-Dichloroethane	99		98		70	130	1	25	
71-43-2	Benzene	103		104		70	130	1	25	
56-23-5	Carbon tetrachloride	99		98		70	130	1	25	
79-01-6	Trichloroethene	97		103		70	130	6	25	
108-88-3	Toluene	100		98		70	130	2	25	
127-18-4	Tetrachloroethene	102		99		70	130	3	25	
100-41-4	Ethylbenzene	102		94		70	130	8	25	
1330-20-7	m,p-Xylenes	101		94		70	130	7	25	
95-47-6	o-Xylene	101		99		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	102		98		70	130	3	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number 218261

Project Number: 17331

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications are listed in the method descriptions, and the QC modifications are in the QC Criteria table in the EAS Quality Manual.

The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

DETECTION LIMITS

MDL: The MDL is initially determined from the standard deviation of seven replicate measurements, but the value in the report is set from a MDL verification sample run at a level near the calculated MDL.

RL: The reporting limit (RL) is usually the lowest concentration standard on the calibration curve, and represents the lowest concentration that can be measured that will meet all of the QC Criteria for the method.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags. The not detect flag is either a "ND" or a "U". If the "U" flag is selected, the MDL for the compound is reported in the Amount column instead of "ND". Other flags are listed below:

- B - This compound was detected in the batch method blank above the reporting limit.
- E - This compound exceeds the calibration range for this sample volume.
- J - The amount reported is estimated because it was below the RL and above the MDL
- F - Higher detection limits because of matrix interference

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure. It is different from the ppb unit used to report water or soil data, which is a mass ratio.

UG/M3 OR MG/M3: Micrograms (or milligrams) per cubic meter is a mass/volume ratio and does depend on temperature and pressure of the source at time of sample collection. The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218261

Laboratory ID: 01

File Name: 1826101A.D
Description: V-B17-5.5
Canister: 132
QC_Batch: 052318-MA1

Date Sampled: 05/14/18 Time: 14:15
Date Analyzed: 05/23/18 Time: 14:23
Can Dilution Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.25	1.26	ND	0.64	3.21	ND	
75-35-4	1,1-Dichloroethene	0.25	1.24	ND	0.99	4.91	ND	
156-60-5	trans-1,2-Dichloroethene	0.25	0.90	ND	0.99	3.58	ND	
75-34-3	1,1-Dichloroethane	0.25	1.25	ND	1.01	5.05	ND	
156-59-2	cis-1,2-Dichloroethene	0.50	1.35	ND	1.98	5.33	ND	
71-55-6	1,1,1-Trichloroethane	0.25	1.11	ND	1.36	6.05	ND	
107-06-2	1,2-Dichloroethane	0.25	1.14	ND	1.01	4.62	ND	
79-01-6	Trichloroethene	0.15	1.16	ND	0.81	6.26	ND	
127-18-4	Tetrachloroethene	0.15	0.61	1.58	1.02	4.12	10.74	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	77	70	130	

Note by EnviroAssets, Inc.

Location renamed to B21 in summary report to accommodate prior sample location nomenclature.

ANALYTICAL REPORT

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 218261
Laboratory Number: 01

File Name: 1826101A
Description: V-B17-5.5
Can/Tube#: 132
QC_Batch: 052318-GCO

Date Sampled: 05/14/18 Time: 14:15
Date Analyzed: 05/23/18 Time: 15:04

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.032	0.096	ND	320	960	ND	

Note by EnviroAssets, Inc.

Location renamed to B21 in summary report to accommodate prior sample location nomenclature.

Laboratory Report

Project Name:

Red Hanger Cleaners

EAS SDG Number: 218173

Task:

Client Project Manager: Michael Harrison

Prepared For:

EnviroAssets, Inc.
6037 La Salle Avenue
Oakland

CA 94611

Project Number: 17331

Sample Event Date: 3/14/18

Received Date: 3/23/2018

Report Date: 3/27/2018

Project Number: EA270

PO Number: EA270

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is a unique identifier for the sample.

This Report Contains:

- Laboratory Work Order
- Project Sample Media
- Laboratory Case Narrative and Chain of Custody
- Method Description (when applicable)
- Quality Control Reports
- Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 218173

Project Number: 17331

Client: Michael Harrison

Received: 3/23/2018

EnviroAssets, Inc.

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
V-VP-1-A	218173 1	EPA TO-15 Short Chlorinated List	3/14/2018
V-VP-1-A	218173 1	ASTM D1945 Helium	3/14/2018
V-VP-3-A	218173 2	ASTM D1945 Helium	3/14/2018
V-VP-3-A	218173 2	EPA TO-15 Short Chlorinated List	3/14/2018
V-VP-2-A	218173 3	ASTM D1945 Helium	3/14/2018
V-VP-2-A	218173 3	EPA TO-15 Short Chlorinated List	3/14/2018
V-VP-4-A	218173 4	EPA TO-15 Short Chlorinated List	3/14/2018
V-VP-4-A	218173 4	ASTM D1945 Helium	3/14/2018
V-B15-7-A	218173 5	EPA TO-15 Short Chlorinated List	3/15/2018
V-B15-7-A	218173 5	ASTM D1945 Helium	3/15/2018
V-B15-15-A	218173 6	ASTM D1945 Helium	3/15/2018
V-B15-15-A	218173 6	EPA TO-15 Short Chlorinated List	3/15/2018
V-B16-7-A	218173 7	ASTM D1945 Helium	3/15/2018
V-B16-7-A	218173 7	EPA TO-15 Short Chlorinated List	3/15/2018
V-B16-15-A	218173 8	EPA TO-15 Short Chlorinated List	3/15/2018
V-B16-15-A	218173 8	ASTM D1945 Helium	3/15/2018

Project Sample Media

SDG Number: 218173

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. Canisters that are received with sub-ambient pressures are pressurized to about 5 psig. The initial pressure of the canister when it is received is recorded along with the final pressure after pressurization. The canister dilution factor is the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample		Pressure, torr		Can Factor
			Media	Batch	Initial	Final	
218173	1	V-VP-1-A	305	030218A	479	600	1.25
218173	2	V-VP-3-A	368	030218A	437	591	1.35
218173	3	V-VP-2-A	332	030718B	469	611	1.30
218173	4	V-VP-4-A	317	030718B	469	600	1.28
218173	5	V-B15-7-A	301	022718A	422	547	1.30
218173	6	V-B15-15-A	344	022718A	506	602	1.19
218173	7	V-B16-7-A	935	021418A	690	690	1.00
218173	8	V-B16-15-A	378	022718A	496	590	1.19

Laboratory Case Narrative

EAS SDG Number: 218173

Project Number: 17331

Client: EnviroAssets, Inc.

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 3/27/2018

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CHAIN OF CUSTODY RECORD

Project Number EA270		Project Name: Red Hanger Cleaners				Quote Number:																					
REPORT TO:						MATRIX LEGEND A - Ambient Air, Low Level I - Indoor Air S - Source Air, High Level G - Gas/Product			INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	ANALYTICAL TESTS TO-15 SIM															
Company Enviro Assets																											
Address 6037 La Salle Avenue																											
City/State/Zip Oakland CA 94611																											
Phone 510 346 9500 (FAX)																											
ATTENTION Mike Harrison						Regulator #				REMARKS																	
SAMPLE DESCRIPTION		SAMPLE DATE	SAMPLE TIME	CANISTER NUMBER	COMP	GRAB	MATRIX									INITIAL PRESSURE	FINAL PRESSURE	EAS LABORATORY ID	Regulator #		REMARKS						
							A	I	S																		G
Page 5 V-VP-1-A		3/14/18	2141	305			X										25	11	218173-01	X						2643	
V-VP-3-A			2226	368			X										27	13	-02	X						2588	
V-VP-2-A			2254	332			X										32	16	-03	X						2640	
V-VP-4-A			2350	317			X										27	15	-04	X						2515	
V-BIS-7-A		3/15/18	1232	301			X										28	13	-05	X						2633	
V-BIS-15-A			1230	344			X										24	12	-06	X						2576	
V-B16-7-A			1329	935			X										25	10	-07	X						2594	
V-B16-15-A			1334	378			X				32	15	-08	X						2555							
COMMENTS																											
BILLING INFORMATION																											
Company Enviro Assets						SAMPLED BY: Z. Houseworth CEI/Zul				Date Time: 3/15/18 1415		Received by: [Signature] Enviro Assets				Date Time: 3/15/18 1415											
Address 6037 La Salle Avenue						Relinquished By: [Signature] Enviro Assets				Date Time: 3/2/18 1610		Received by: Fed Ex				Date Time: 3/2/18 1610											
City/State/Zip Oakland CA 94611						Relinquished By:				Date Time:		Received by:				Date Time:											
ATTENTION Mike Harrison						Relinquished By:				Date Time:		Received for lab by: [Signature]				Date Time: 3-23-18 12:00											
Purchase Order/Billing Reference EA 270																											

Quality Control Report

EAS SDG Number 218173

Project Number: 17331

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

A method blank is a laboratory generated sample which assesses the degree to which laboratory operations and procedures cause a false positive. In the method blank, compounds should be present below the reporting limit (RL). Compounds present above the RL are flagged with a "B" in the Analytical Reports in that batch unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B03268

File Name: B03268B.D
Description: METHOD BLANK
Canister:
QC_Batch: 032618-MA1

Date Sampled:
Date Analyzed: 03/26/18
Can Dilution Factor: 1.00
Air Volume: 200 ml
Time: 11:55

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.25	1.26	ND	0.64	3.21	ND	
75-35-4	1,1-Dichloroethene	0.25	1.24	ND	0.99	4.91	ND	
156-60-5	trans-1,2-Dichloroethene	0.25	0.90	ND	0.99	3.58	ND	
75-34-3	1,1-Dichloroethane	0.25	1.25	ND	1.01	5.05	ND	
156-59-2	cis-1,2-Dichloroethene	0.50	1.35	ND	1.98	5.33	ND	
71-55-6	1,1,1-Trichloroethane	0.25	1.11	ND	1.36	6.05	ND	
107-06-2	1,2-Dichloroethane	0.25	1.14	ND	1.01	4.62	ND	
79-01-6	Trichloroethene	0.15	1.16	ND	0.81	6.26	ND	
127-18-4	Tetrachloroethene	0.15	0.61	ND	1.02	4.12	ND	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD
Analytical Method: D1945

SDG: LABQC
Laboratory Number: B03278

File Name: B03278B
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 032718-GCO

Date Sampled:
Date Analyzed: 03/27/18
Time:
Time: 12:22

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.020	0.06	ND	200	600	ND	

QUALITY CONTROL REPORT

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 032618-MA1

Date: 03/26/18

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery %	Flag	Recovery %	Flag	LCL %	UCL %	Duplicate %	Limit %	
75-01-4	Vinyl chloride	94		99		70	130	5	25	
75-35-4	1,1-Dichloroethene	96		99		70	130	4	25	
75-09-2	Dichloromethane	91		96		70	130	5	25	
75-34-3	1,1-Dichloroethane	88		98		70	130	10	25	
67-66-3	Chloroform	89		95		70	130	7	25	
71-55-6	1,1,1-Trichloroethane	91		95		70	130	5	25	
107-06-2	1,2-Dichloroethane	89		90		70	130	1	25	
71-43-2	Benzene	91		91		70	130	0	25	
56-23-5	Carbon tetrachloride	93		92		70	130	1	25	
79-01-6	Trichloroethene	85		91		70	130	6	25	
108-88-3	Toluene	84		90		70	130	8	25	
127-18-4	Tetrachloroethene	89		88		70	130	1	25	
100-41-4	Ethylbenzene	82		88		70	130	7	25	
1330-20-7	m,p-Xylenes	81		87		70	130	7	25	
95-47-6	o-Xylene	85		85		70	130	0	25	
108-67-8	1,3,5-Trimethylbenzene	87		90		70	130	3	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number 218173

Project Number: 17331

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications are listed in the method descriptions, and the QC modifications are in the QC Criteria table in the EAS Quality Manual.

The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

DETECTION LIMITS

MDL: The MDL is initially determined from the standard deviation of seven replicate measurements, but the value in the report is set from a MDL verification sample run at a level near the calculated MDL.

RL: The reporting limit (RL) is usually the lowest concentration standard on the calibration curve, and represents the lowest concentration that can be measured that will meet all of the QC Criteria for the method.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags. The not detect flag is either a "ND" or a "U". If the "U" flag is selected, the MDL for the compound is reported in the Amount column instead of "ND". Other flags are listed below:

- B - This compound was detected in the batch method blank above the reporting limit.
- E - This compound exceeds the calibration range for this sample volume.
- J - The amount reported is estimated because it was below the RL and above the MDL
- F - Higher detection limits because of matrix interference

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure. It is different from the ppb unit used to report water or soil data, which is a mass ratio.

UG/M3 OR MG/M3: Micrograms (or milligrams) per cubic meter is a mass/volume ratio and does depend on temperature and pressure of the source at time of sample collection. The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.46 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 01

File Name: 1817301A.D
Description: V-VP-1-A
Canister: 305
QC_Batch: 032618-MA1

Date Sampled: 03/14/18 Time: 21:41
Date Analyzed: 03/26/18 Time: 14:30
Can Dilution Factor: 1.25
Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.31	1.57	ND	0.80	4.02	ND	
75-35-4	1,1-Dichloroethene	0.31	1.55	ND	1.24	6.14	ND	
156-60-5	trans-1,2-Dichloroethene	0.31	1.13	ND	1.24	4.47	ND	
75-34-3	1,1-Dichloroethane	0.31	1.56	ND	1.26	6.31	ND	
156-59-2	cis-1,2-Dichloroethene	0.63	1.68	ND	2.48	6.66	ND	
71-55-6	1,1,1-Trichloroethane	0.31	1.39	ND	1.70	7.57	ND	
107-06-2	1,2-Dichloroethane	0.31	1.43	ND	1.26	5.77	ND	
79-01-6	Trichloroethene	0.19	1.46	ND	1.01	7.82	ND	
127-18-4	Tetrachloroethene	0.19	0.76	11.64	1.27	5.16	78.87	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 01

File Name: 1817301A
Description: V-VP-1-A
Can/Tube#: 305
QC_Batch: 032718-GCO

Date Sampled: 03/14/18 Time: 21:41
Date Analyzed: 03/27/18 Time: 12:27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.039	0.117	ND	394	1,182	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 02

File Name: 1817302A.D

Date Sampled: 03/14/18 Time: 22:26

Description: V-VP-3-A

Date Analyzed: 03/26/18 Time: 15:07

Canister: 368

Can Dilution Factor: 1.35

QC_Batch: 032618-MA1

Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.34	1.70	ND	0.86	4.34	ND	
75-35-4	1,1-Dichloroethene	0.34	1.67	ND	1.34	6.63	ND	
156-60-5	trans-1,2-Dichloroethene	0.34	1.22	ND	1.34	4.83	ND	
75-34-3	1,1-Dichloroethane	0.34	1.68	ND	1.37	6.81	ND	
156-59-2	cis-1,2-Dichloroethene	0.68	1.82	ND	2.67	7.19	ND	
71-55-6	1,1,1-Trichloroethane	0.34	1.50	ND	1.84	8.17	ND	
107-06-2	1,2-Dichloroethane	0.34	1.54	ND	1.37	6.23	ND	
79-01-6	Trichloroethene	0.20	1.57	ND	1.09	8.44	ND	
127-18-4	Tetrachloroethene	0.20	0.82	35.28	1.37	5.57	239.11	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 02

File Name: 1817302A
Description: V-VP-3-A
Can/Tube#: 368
QC_Batch: 032718-GCO

Date Sampled: 03/14/18 Time: 22:26
Date Analyzed: 03/27/18 Time: 13:41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.043	0.129	ND	434	1,302	ND	

ANALYTICAL REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 03

File Name: 1817303A.D
Description: V-VP-2-A
Canister: 332
QC_Batch: 032618-MA1

Date Sampled: 03/14/18 Time: 22:54
Date Analyzed: 03/26/18 Time: 15:41
Can Dilution Factor: 1.30
Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.33	1.63	ND	0.83	4.18	ND	
75-35-4	1,1-Dichloroethene	0.33	1.61	ND	1.29	6.39	ND	
156-60-5	trans-1,2-Dichloroethene	0.33	1.17	ND	1.29	4.65	ND	
75-34-3	1,1-Dichloroethane	0.33	1.62	ND	1.32	6.56	ND	
156-59-2	cis-1,2-Dichloroethene	0.65	1.75	ND	2.57	6.93	ND	
71-55-6	1,1,1-Trichloroethane	0.33	1.44	ND	1.77	7.87	ND	
107-06-2	1,2-Dichloroethane	0.33	1.48	ND	1.32	6.00	ND	
79-01-6	Trichloroethene	0.20	1.51	ND	1.05	8.13	ND	
127-18-4	Tetrachloroethene	0.20	0.79	39.92	1.32	5.36	270.60	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	106	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 03

File Name: 1817303A
Description: V-VP-2-A
Can/Tube#: 332
QC_Batch: 032718-GCO

Date Sampled: 03/14/18 Time: 22:54
Date Analyzed: 03/27/18 Time: 13:54

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.040	0.12	ND	402	1,206	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 04

File Name: 1817304A.D

Date Sampled: 03/14/18 Time: 23:50

Description: V-VP-4-A

Date Analyzed: 03/26/18 Time: 16:15

Canister: 317

Can Dilution Factor: 1.28

QC_Batch: 032618-MA1

Air Volume: 200 ml

CAS#	Compound	MDL	RL	Amount	MDL	RL	Amount	Flag
		PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	
75-01-4	Vinyl chloride	0.32	1.61	ND	0.82	4.11	ND	
75-35-4	1,1-Dichloroethene	0.32	1.59	ND	1.27	6.29	ND	
156-60-5	trans-1,2-Dichloroethene	0.32	1.16	ND	1.27	4.58	ND	
75-34-3	1,1-Dichloroethane	0.32	1.60	ND	1.30	6.46	ND	
156-59-2	cis-1,2-Dichloroethene	0.64	1.72	ND	2.54	6.82	ND	
71-55-6	1,1,1-Trichloroethane	0.32	1.42	ND	1.75	7.75	ND	
107-06-2	1,2-Dichloroethane	0.32	1.46	ND	1.30	5.91	ND	
79-01-6	Trichloroethene	0.19	1.49	ND	1.03	8.01	ND	
127-18-4	Tetrachloroethene	0.19	0.78	1.87	1.30	5.28	12.69	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 04

File Name: 1817304A
Description: V-VP-4-A
Can/Tube#: 317
QC_Batch: 032718-GCO

Date Sampled: 03/14/18 Time: 23:50
Date Analyzed: 03/27/18 Time: 13:59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.041	0.123	ND	406	1,218	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 05

File Name: 1817305B.D

Date Sampled: 03/15/18 Time: 12:32

Description: V-B15-7-A

Date Analyzed: 03/26/18 Time: 17:25

Canister: 301

Can Dilution Factor: 1.30

QC_Batch: 032618-MA1

Air Volume: 200 ml

CAS#	Compound	MDL	RL	Amount	MDL	RL	Amount	Flag
		PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	
75-01-4	Vinyl chloride	0.33	1.63	ND	0.83	4.18	ND	
75-35-4	1,1-Dichloroethene	0.33	1.61	ND	1.29	6.39	ND	
156-60-5	trans-1,2-Dichloroethene	0.33	1.17	ND	1.29	4.65	ND	
75-34-3	1,1-Dichloroethane	0.33	1.62	ND	1.32	6.56	ND	
156-59-2	cis-1,2-Dichloroethene	0.65	1.75	ND	2.57	6.93	ND	
71-55-6	1,1,1-Trichloroethane	0.33	1.44	ND	1.77	7.87	ND	
107-06-2	1,2-Dichloroethane	0.33	1.48	ND	1.32	6.00	ND	
79-01-6	Trichloroethene	0.20	1.51	2.41	1.05	8.13	12.92	
127-18-4	Tetrachloroethene	0.20	0.79	7.24	1.32	5.36	49.04	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	128	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 05

File Name: 1817305A
Description: V-B15-7-A
Can/Tube#: 301
QC_Batch: 032718-GCO

Date Sampled: 03/15/18 Time: 12:32
Date Analyzed: 03/27/18 Time: 14:15

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.050	0.15	ND	502	1,506	ND	

ANALYTICAL REPORT

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 06

File Name: 1817306A.D
Description: V-B15-15-A
Canister: 344
QC_Batch: 032618-MA1

Date Sampled: 03/15/18 Time: 12:30
Date Analyzed: 03/26/18 Time: 17:59
Can Dilution Factor: 1.19
Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.30	1.50	ND	0.76	3.82	ND	
75-35-4	1,1-Dichloroethene	0.30	1.48	ND	1.18	5.85	ND	
156-60-5	trans-1,2-Dichloroethene	0.30	1.07	ND	1.18	4.25	ND	
75-34-3	1,1-Dichloroethane	0.30	1.48	ND	1.20	6.00	ND	
156-59-2	cis-1,2-Dichloroethene	0.60	1.60	ND	2.36	6.34	ND	
71-55-6	1,1,1-Trichloroethane	0.30	1.32	ND	1.62	7.20	ND	
107-06-2	1,2-Dichloroethane	0.30	1.36	ND	1.20	5.49	ND	
79-01-6	Trichloroethene	0.18	1.39	6.12	0.96	7.44	32.85	
127-18-4	Tetrachloroethene	0.18	0.72	2.07	1.21	4.91	14.06	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	120	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD
Analytical Method: D1945

SDG: 218173
Laboratory Number: 06

File Name: 1817306A
Description: V-B15-15-A
Can/Tube#: 344
QC_Batch: 032718-GCO

Date Sampled: 03/15/18 **Time:** 12:30
Date Analyzed: 03/27/18 **Time:** 14:18

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.037	0.111	0.757	372	1,116	7,571	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 07

File Name: 1817307A.D

Date Sampled: 03/15/18 Time: 13:29

Description: V-B16-7-A

Date Analyzed: 03/26/18 Time: 18:34

Canister: 935

Can Dilution Factor: 1.00

QC_Batch: 032618-MA1

Air Volume: 200 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-01-4	Vinyl chloride	0.25	1.26	ND	0.64	3.21	ND	
75-35-4	1,1-Dichloroethene	0.25	1.24	ND	0.99	4.91	ND	
156-60-5	trans-1,2-Dichloroethene	0.25	0.90	ND	0.99	3.58	ND	
75-34-3	1,1-Dichloroethane	0.25	1.25	ND	1.01	5.05	ND	
156-59-2	cis-1,2-Dichloroethene	0.50	1.35	ND	1.98	5.33	ND	
71-55-6	1,1,1-Trichloroethane	0.25	1.11	ND	1.36	6.05	ND	
107-06-2	1,2-Dichloroethane	0.25	1.14	ND	1.01	4.62	ND	
79-01-6	Trichloroethene	0.15	1.16	7.21	0.81	6.26	38.73	
127-18-4	Tetrachloroethene	0.15	0.61	ND	1.02	4.12	ND	

Surrogate Recovery		% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	122	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 07

File Name: 1817307A
Description: V-B16-7-A
Can/Tube#: 935
QC_Batch: 032718-GCO

Date Sampled: 03/15/18 Time: 13:29
Date Analyzed: 03/27/18 Time: 14:22

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.027	0.081	ND	272	816	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 218173

Laboratory ID: 08

File Name: 1817308A.D

Date Sampled: 03/15/18 Time: 13:34

Description: V-B16-15-A

Date Analyzed: 03/26/18 Time: 19:09

Canister: 378

Can Dilution Factor: 1.19

QC_Batch: 032618-MA1

Air Volume: 200 ml

CAS#	Compound	MDL	RL	Amount	MDL	RL	Amount	Flag
		PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	
75-01-4	Vinyl chloride	0.30	1.50	ND	0.76	3.82	ND	
75-35-4	1,1-Dichloroethene	0.30	1.48	ND	1.18	5.85	ND	
156-60-5	trans-1,2-Dichloroethene	0.30	1.07	ND	1.18	4.25	ND	
75-34-3	1,1-Dichloroethane	0.30	1.48	ND	1.20	6.00	ND	
156-59-2	cis-1,2-Dichloroethene	0.60	1.60	ND	2.36	6.34	ND	
71-55-6	1,1,1-Trichloroethane	0.30	1.32	ND	1.62	7.20	ND	
107-06-2	1,2-Dichloroethane	0.30	1.36	ND	1.20	5.49	ND	
79-01-6	Trichloroethene	0.18	1.39	ND	0.96	7.44	ND	
127-18-4	Tetrachloroethene	0.18	0.72	ND	1.21	4.91	ND	

	Surrogate Recovery	% Rec.	QC	Limits	Flag
			LCL	UCL	
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 Helium GC/TCD

Analytical Method: D1945

SDG: 218173

Laboratory Number: 08

File Name: 1817308A
Description: V-B16-15-A
Can/Tube#: 378
QC_Batch: 032718-GCO

Date Sampled: 03/15/18 Time: 13:34
Date Analyzed: 03/27/18 Time: 14:26

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
7440-59-7	Helium	0.039	0.117	0.101	386	1,158	1,012	J

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-85945-1
Client Project/Site: 307 63rd Street

For:
EnviroAssets Inc
6037 La Salle Ave
Oakland, California 94611-3227

Attn: Michael Harrison



Authorized for release by:
4/19/2018 5:41:30 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Job ID: 720-85945-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-85945-1

Comments

No additional comments.

Receipt

The samples were received on 4/18/2018 10:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B17-0.5-A

Lab Sample ID: 720-85945-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	42		1.0		mg/Kg	4		6010B	Total/NA

Client Sample ID: S-B18-0.5-A

Lab Sample ID: 720-85945-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	33		1.6		mg/Kg	4		6010B	Total/NA

Client Sample ID: S-B19-0.5-A

Lab Sample ID: 720-85945-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	30		1.7		mg/Kg	4		6010B	Total/NA

Client Sample ID: S-B20-0.5-A

Lab Sample ID: 720-85945-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	31		1.6		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B17-0.5-A

Lab Sample ID: 720-85945-1

Date Collected: 04/18/18 09:58

Matrix: Solid

Date Received: 04/18/18 10:55

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.0		mg/Kg		04/19/18 08:41	04/19/18 15:32	4

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- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B18-0.5-A

Lab Sample ID: 720-85945-2

Date Collected: 04/18/18 10:00

Matrix: Solid

Date Received: 04/18/18 10:55

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33		1.6		mg/Kg		04/19/18 08:41	04/19/18 15:37	4

- 1
- 2
- 3
- 4
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- 10
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- 12
- 13
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Client Sample Results

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B19-0.5-A

Lab Sample ID: 720-85945-3

Date Collected: 04/18/18 10:02

Matrix: Solid

Date Received: 04/18/18 10:55

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30		1.7		mg/Kg		04/19/18 08:41	04/19/18 15:41	4

- 1
- 2
- 3
- 4
- 5
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- 13
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Client Sample Results

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B20-0.5-A

Lab Sample ID: 720-85945-4

Date Collected: 04/18/18 10:04

Matrix: Solid

Date Received: 04/18/18 10:55

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	31		1.6		mg/Kg		04/19/18 08:41	04/19/18 15:55	4

- 1
- 2
- 3
- 4
- 5
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- 10
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QC Sample Results

Client: EnviroAssets Inc
 Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-242672/1-A
 Matrix: Solid
 Analysis Batch: 242715

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 242672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		04/19/18 08:41	04/19/18 14:59	1

Lab Sample ID: LCS 720-242672/2-A
 Matrix: Solid
 Analysis Batch: 242715

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 242672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	50.0	48.1		mg/Kg		96	80 - 120

QC Association Summary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Metals

Prep Batch: 242672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85945-1	S-B17-0.5-A	Total/NA	Solid	3050B	
720-85945-2	S-B18-0.5-A	Total/NA	Solid	3050B	
720-85945-3	S-B19-0.5-A	Total/NA	Solid	3050B	
720-85945-4	S-B20-0.5-A	Total/NA	Solid	3050B	
MB 720-242672/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-242672/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 242715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85945-1	S-B17-0.5-A	Total/NA	Solid	6010B	242672
720-85945-2	S-B18-0.5-A	Total/NA	Solid	6010B	242672
720-85945-3	S-B19-0.5-A	Total/NA	Solid	6010B	242672
720-85945-4	S-B20-0.5-A	Total/NA	Solid	6010B	242672
MB 720-242672/1-A	Method Blank	Total/NA	Solid	6010B	242672
LCS 720-242672/2-A	Lab Control Sample	Total/NA	Solid	6010B	242672

Lab Chronicle

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Client Sample ID: S-B17-0.5-A

Date Collected: 04/18/18 09:58

Date Received: 04/18/18 10:55

Lab Sample ID: 720-85945-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			242672	04/19/18 08:41	MAG	TAL PLS
Total/NA	Analysis	6010B		4	242715	04/19/18 15:32	OBI	TAL PLS

Client Sample ID: S-B18-0.5-A

Date Collected: 04/18/18 10:00

Date Received: 04/18/18 10:55

Lab Sample ID: 720-85945-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			242672	04/19/18 08:41	MAG	TAL PLS
Total/NA	Analysis	6010B		4	242715	04/19/18 15:37	OBI	TAL PLS

Client Sample ID: S-B19-0.5-A

Date Collected: 04/18/18 10:02

Date Received: 04/18/18 10:55

Lab Sample ID: 720-85945-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			242672	04/19/18 08:41	MAG	TAL PLS
Total/NA	Analysis	6010B		4	242715	04/19/18 15:41	OBI	TAL PLS

Client Sample ID: S-B20-0.5-A

Date Collected: 04/18/18 10:04

Date Received: 04/18/18 10:55

Lab Sample ID: 720-85945-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			242672	04/19/18 08:41	MAG	TAL PLS
Total/NA	Analysis	6010B		4	242715	04/19/18 15:55	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Laboratory: TestAmerica Pleasanton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20
USDA	Federal		P330-17-00380	12-11-20

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Method Summary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
3050B	Preparation, Metals	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: EnviroAssets Inc
Project/Site: 307 63rd Street

TestAmerica Job ID: 720-85945-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-85945-1	S-B17-0.5-A	Solid	04/18/18 09:58	04/18/18 10:55
720-85945-2	S-B18-0.5-A	Solid	04/18/18 10:00	04/18/18 10:55
720-85945-3	S-B19-0.5-A	Solid	04/18/18 10:02	04/18/18 10:55
720-85945-4	S-B20-0.5-A	Solid	04/18/18 10:04	04/18/18 10:55

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San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925-484-1919 fax 925-600-3002

720-85945

Chain of Custody Record

182794

TestAmerica
11415-20th St, Fremont, CA 94538

TestAmerica Laboratories, Inc.

Client Contact EnviroAssess, Inc. 6037 La Salle Avenue Oakland, CA 94611 (510) 346-9500 (510) 346-9501 Project Name 307 63rd Street Site 307 63rd Street P O # EA270 B 01			Project Manager: Michael Harrison Tel/Fax: 510.346.9500/510.346.9501 Analysis Turnaround Time Calendar (C) or Work Days (W) 1(A) If different from Below - 5-day standard <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input checked="" type="checkbox"/> 1 day			Site Contact: M. Harrison Lab Contact: D. Sharma Date: Carrier:			COC No 1 of 1 COCs Job No EA270 B 01 SDG No			
Sample Identification			Sample Date	Sample Time	Sample Type	Sample Matrix	# of Cont.	Filtered Sample				
S-B17-05-A			4/18/18	9:58		S	1	X	Lead (total 6010)			
S-B18-05-A			4/18/18	10:00		S	1	X				
S-B19-05-A			4/18/18	10:02		S	1	X				
S-B20-05-A			4/18/18	10:04		S	1	X				
720-85945 Chain of Custody			Barcode			RUSH!			Sample Specific Notes: 24-Hr TAT			
Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>									
Special Instructions/QC Requirements & Comments: Global ID# TT10080011188			Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Relinquished by: [Signature]			Company: EnviroAssess	Date/Time: 4/18/18 12:25	Received by: [Signature]			Company: AT 720	Date/Time: 4/18/18 10:55			
Relinquished by:			Company:	Date/Time:	Received by:			Company:	Date/Time:			
Relinquished by:			Company:	Date/Time:	Received by:			Company:	Date/Time:			

Login Sample Receipt Checklist

Client: EnviroAssets Inc

Job Number: 720-85945-1

Login Number: 85945
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-85358-1
Client Project/Site: Red Hanger Cleaners
Revision: 1

For:
EnviroAssets Inc
6037 La Salle Ave
Oakland, California 94611-3227

Attn: Michael Harrison



Authorized for release by:
4/5/2018 9:34:35 AM
Criselda Caparas, Project Management Assistant I
criselda.caparas@testamericainc.com
Designee for
Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

Review your project
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Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Job ID: 720-85358-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-85358-1

Comments

Revise report on 04/05/2018 Lab needs to correct sample ID on water.
No additional comments.

Receipt

The samples were received on 3/16/2018 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 720-240883 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B15 S/GW-S8-A (720-85358-2) and B16 S/GW-S8-A (720-85358-4).

Method(s) 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 720-240961: Trichlorofluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method(s) 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch analytical batch 720-240961 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-S8-A

Lab Sample ID: 720-85358-2

No Detections.

Client Sample ID: B16 S/GW-S8-A

Lab Sample ID: 720-85358-4

No Detections.

Client Sample ID: B15 S/GW-W

Lab Sample ID: 720-85358-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	4.6		0.50		ug/L	1			8260B	Total/NA
Trichloroethene	0.69		0.50		ug/L	1			8260B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-85358-6

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-S8-A

Lab Sample ID: 720-85358-2

Date Collected: 03/15/18 11:12

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Acetone	ND		39		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Benzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Dichlorobromomethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Bromobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chlorobromomethane	ND		15		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Bromoform	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Bromomethane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
2-Butanone (MEK)	ND		39		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
n-Butylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
sec-Butylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
tert-Butylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Carbon disulfide	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Carbon tetrachloride	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chloroethane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chloroform	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chloromethane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
2-Chlorotoluene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
4-Chlorotoluene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Chlorodibromomethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,3-Dichloropropane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1-Dichloropropane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Ethylene Dibromide	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Dibromomethane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Dichlorodifluoromethane	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1-Dichloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2-Dichloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1-Dichloroethene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2-Dichloropropane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Ethylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Hexachlorobutadiene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
2-Hexanone	ND		39		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Isopropylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
4-Isopropyltoluene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Methylene Chloride	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Naphthalene	ND		7.7		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
N-Propylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Styrene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-S8-A

Lab Sample ID: 720-85358-2

Date Collected: 03/15/18 11:12

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Tetrachloroethene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Toluene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Trichloroethene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Trichlorofluoromethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Vinyl acetate	ND		15		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Vinyl chloride	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
Xylenes, Total	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1
2,2-Dichloropropane	ND		3.9		ug/Kg		03/16/18 16:30	03/19/18 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131	03/16/18 16:30	03/19/18 22:48	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 140	03/16/18 16:30	03/19/18 22:48	1
Toluene-d8 (Surr)	97		58 - 140	03/16/18 16:30	03/19/18 22:48	1

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B16 S/GW-S8-A

Lab Sample ID: 720-85358-4

Date Collected: 03/15/18 13:13

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Acetone	ND		38		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Benzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Dichlorobromomethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Bromobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chlorobromomethane	ND		15		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Bromoform	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Bromomethane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
2-Butanone (MEK)	ND		38		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
n-Butylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
sec-Butylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
tert-Butylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Carbon disulfide	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Carbon tetrachloride	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chloroethane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chloroform	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chloromethane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
2-Chlorotoluene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
4-Chlorotoluene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Chlorodibromomethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,3-Dichloropropane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1-Dichloropropene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2-Dibromo-3-Chloropropane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Ethylene Dibromide	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Dibromomethane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Dichlorodifluoromethane	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1-Dichloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2-Dichloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1-Dichloroethene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2-Dichloropropane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Ethylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Hexachlorobutadiene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
2-Hexanone	ND		38		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Isopropylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
4-Isopropyltoluene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Methylene Chloride	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Naphthalene	ND		7.5		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
N-Propylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Styrene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B16 S/GW-S8-A

Lab Sample ID: 720-85358-4

Date Collected: 03/15/18 13:13

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Tetrachloroethene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Toluene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Trichloroethene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Trichlorofluoromethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Vinyl acetate	ND		15		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Vinyl chloride	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
Xylenes, Total	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1
2,2-Dichloropropane	ND		3.8		ug/Kg		03/16/18 16:30	03/19/18 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131	03/16/18 16:30	03/19/18 23:18	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140	03/16/18 16:30	03/19/18 23:18	1
Toluene-d8 (Surr)	97		58 - 140	03/16/18 16:30	03/19/18 23:18	1

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-W

Lab Sample ID: 720-85358-5

Date Collected: 03/16/18 09:35

Matrix: Water

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/21/18 03:09	1
Acetone	ND		50		ug/L			03/21/18 03:09	1
Benzene	ND		0.50		ug/L			03/21/18 03:09	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/18 03:09	1
Bromobenzene	ND		1.0		ug/L			03/21/18 03:09	1
Chlorobromomethane	ND		1.0		ug/L			03/21/18 03:09	1
Bromoform	ND		1.0		ug/L			03/21/18 03:09	1
Bromomethane	ND		1.0		ug/L			03/21/18 03:09	1
2-Butanone (MEK)	ND		50		ug/L			03/21/18 03:09	1
n-Butylbenzene	ND		1.0		ug/L			03/21/18 03:09	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/18 03:09	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/18 03:09	1
Carbon disulfide	ND		5.0		ug/L			03/21/18 03:09	1
Carbon tetrachloride	ND		0.50		ug/L			03/21/18 03:09	1
Chlorobenzene	ND		0.50		ug/L			03/21/18 03:09	1
Chloroethane	ND		1.0		ug/L			03/21/18 03:09	1
Chloroform	ND		1.0		ug/L			03/21/18 03:09	1
Chloromethane	ND		1.0		ug/L			03/21/18 03:09	1
2-Chlorotoluene	ND		0.50		ug/L			03/21/18 03:09	1
4-Chlorotoluene	ND		0.50		ug/L			03/21/18 03:09	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/18 03:09	1
1,2-Dichlorobenzene	ND		0.50		ug/L			03/21/18 03:09	1
1,3-Dichlorobenzene	ND		0.50		ug/L			03/21/18 03:09	1
1,4-Dichlorobenzene	ND		0.50		ug/L			03/21/18 03:09	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/18 03:09	1
1,1-Dichloropropane	ND		0.50		ug/L			03/21/18 03:09	1
1,2-Dibromo-3-Chloropropane	ND *		1.0		ug/L			03/21/18 03:09	1
Ethylene Dibromide	ND		0.50		ug/L			03/21/18 03:09	1
Dibromomethane	ND		0.50		ug/L			03/21/18 03:09	1
Dichlorodifluoromethane	ND		0.50		ug/L			03/21/18 03:09	1
1,1-Dichloroethane	ND		0.50		ug/L			03/21/18 03:09	1
1,2-Dichloroethane	ND		0.50		ug/L			03/21/18 03:09	1
1,1-Dichloroethene	ND		0.50		ug/L			03/21/18 03:09	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/21/18 03:09	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			03/21/18 03:09	1
1,2-Dichloropropane	ND		0.50		ug/L			03/21/18 03:09	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			03/21/18 03:09	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			03/21/18 03:09	1
Ethylbenzene	ND		0.50		ug/L			03/21/18 03:09	1
Hexachlorobutadiene	ND		1.0		ug/L			03/21/18 03:09	1
2-Hexanone	ND		50		ug/L			03/21/18 03:09	1
Isopropylbenzene	ND		0.50		ug/L			03/21/18 03:09	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/18 03:09	1
Methylene Chloride	ND		5.0		ug/L			03/21/18 03:09	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			03/21/18 03:09	1
Naphthalene	ND		1.0		ug/L			03/21/18 03:09	1
N-Propylbenzene	ND		1.0		ug/L			03/21/18 03:09	1
Styrene	ND		0.50		ug/L			03/21/18 03:09	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			03/21/18 03:09	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-W

Lab Sample ID: 720-85358-5

Date Collected: 03/16/18 09:35

Matrix: Water

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/18 03:09	1
Tetrachloroethene	4.6		0.50		ug/L			03/21/18 03:09	1
Toluene	ND		0.50		ug/L			03/21/18 03:09	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/18 03:09	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/18 03:09	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/21/18 03:09	1
1,1,2-Trichloroethane	ND		0.50		ug/L			03/21/18 03:09	1
Trichloroethene	0.69		0.50		ug/L			03/21/18 03:09	1
Trichlorofluoromethane	ND	*	1.0		ug/L			03/21/18 03:09	1
1,2,3-Trichloropropane	ND		0.50		ug/L			03/21/18 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/21/18 03:09	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			03/21/18 03:09	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			03/21/18 03:09	1
Vinyl acetate	ND		10		ug/L			03/21/18 03:09	1
Vinyl chloride	ND		0.50		ug/L			03/21/18 03:09	1
Xylenes, Total	ND		0.50		ug/L			03/21/18 03:09	1
2,2-Dichloropropane	ND		0.50		ug/L			03/21/18 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		67 - 130					03/21/18 03:09	1
1,2-Dichloroethane-d4 (Surr)	103		72 - 130					03/21/18 03:09	1
Toluene-d8 (Surr)	84		70 - 130					03/21/18 03:09	1

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-85358-6

Date Collected: 03/16/18 00:00

Matrix: Water

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/20/18 10:30	1
Acetone	ND		50		ug/L			03/20/18 10:30	1
Benzene	ND		0.50		ug/L			03/20/18 10:30	1
Dichlorobromomethane	ND		0.50		ug/L			03/20/18 10:30	1
Bromobenzene	ND		1.0		ug/L			03/20/18 10:30	1
Chlorobromomethane	ND		1.0		ug/L			03/20/18 10:30	1
Bromoform	ND		1.0		ug/L			03/20/18 10:30	1
Bromomethane	ND		1.0		ug/L			03/20/18 10:30	1
2-Butanone (MEK)	ND		50		ug/L			03/20/18 10:30	1
n-Butylbenzene	ND		1.0		ug/L			03/20/18 10:30	1
sec-Butylbenzene	ND		1.0		ug/L			03/20/18 10:30	1
tert-Butylbenzene	ND		1.0		ug/L			03/20/18 10:30	1
Carbon disulfide	ND		5.0		ug/L			03/20/18 10:30	1
Carbon tetrachloride	ND		0.50		ug/L			03/20/18 10:30	1
Chlorobenzene	ND		0.50		ug/L			03/20/18 10:30	1
Chloroethane	ND		1.0		ug/L			03/20/18 10:30	1
Chloroform	ND		1.0		ug/L			03/20/18 10:30	1
Chloromethane	ND		1.0		ug/L			03/20/18 10:30	1
2-Chlorotoluene	ND		0.50		ug/L			03/20/18 10:30	1
4-Chlorotoluene	ND		0.50		ug/L			03/20/18 10:30	1
Chlorodibromomethane	ND		0.50		ug/L			03/20/18 10:30	1
1,2-Dichlorobenzene	ND		0.50		ug/L			03/20/18 10:30	1
1,3-Dichlorobenzene	ND		0.50		ug/L			03/20/18 10:30	1
1,4-Dichlorobenzene	ND		0.50		ug/L			03/20/18 10:30	1
1,3-Dichloropropane	ND		1.0		ug/L			03/20/18 10:30	1
1,1-Dichloropropene	ND		0.50		ug/L			03/20/18 10:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/20/18 10:30	1
Ethylene Dibromide	ND		0.50		ug/L			03/20/18 10:30	1
Dibromomethane	ND		0.50		ug/L			03/20/18 10:30	1
Dichlorodifluoromethane	ND		0.50		ug/L			03/20/18 10:30	1
1,1-Dichloroethane	ND		0.50		ug/L			03/20/18 10:30	1
1,2-Dichloroethane	ND		0.50		ug/L			03/20/18 10:30	1
1,1-Dichloroethene	ND		0.50		ug/L			03/20/18 10:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 10:30	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 10:30	1
1,2-Dichloropropane	ND		0.50		ug/L			03/20/18 10:30	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 10:30	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 10:30	1
Ethylbenzene	ND		0.50		ug/L			03/20/18 10:30	1
Hexachlorobutadiene	ND		1.0		ug/L			03/20/18 10:30	1
2-Hexanone	ND		50		ug/L			03/20/18 10:30	1
Isopropylbenzene	ND		0.50		ug/L			03/20/18 10:30	1
4-Isopropyltoluene	ND		1.0		ug/L			03/20/18 10:30	1
Methylene Chloride	ND		5.0		ug/L			03/20/18 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			03/20/18 10:30	1
Naphthalene	ND		1.0		ug/L			03/20/18 10:30	1
N-Propylbenzene	ND		1.0		ug/L			03/20/18 10:30	1
Styrene	ND		0.50		ug/L			03/20/18 10:30	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 10:30	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-85358-6

Date Collected: 03/16/18 00:00

Matrix: Water

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 10:30	1
Tetrachloroethene	ND		0.50		ug/L			03/20/18 10:30	1
Toluene	ND		0.50		ug/L			03/20/18 10:30	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/20/18 10:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/20/18 10:30	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/20/18 10:30	1
1,1,2-Trichloroethane	ND		0.50		ug/L			03/20/18 10:30	1
Trichloroethene	ND		0.50		ug/L			03/20/18 10:30	1
Trichlorofluoromethane	ND		1.0		ug/L			03/20/18 10:30	1
1,2,3-Trichloropropane	ND		0.50		ug/L			03/20/18 10:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/20/18 10:30	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			03/20/18 10:30	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			03/20/18 10:30	1
Vinyl acetate	ND		10		ug/L			03/20/18 10:30	1
Vinyl chloride	ND		0.50		ug/L			03/20/18 10:30	1
Xylenes, Total	ND		0.50		ug/L			03/20/18 10:30	1
2,2-Dichloropropane	ND		0.50		ug/L			03/20/18 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		67 - 130		03/20/18 10:30	1
1,2-Dichloroethane-d4 (Surr)	93		72 - 130		03/20/18 10:30	1
Toluene-d8 (Surr)	97		70 - 130		03/20/18 10:30	1

QC Sample Results

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-240883/4
Matrix: Solid
Analysis Batch: 240883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			03/19/18 19:44	1
Acetone	ND		50		ug/Kg			03/19/18 19:44	1
Benzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Dichlorobromomethane	ND		5.0		ug/Kg			03/19/18 19:44	1
Bromobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Chlorobromomethane	ND		20		ug/Kg			03/19/18 19:44	1
Bromoform	ND		5.0		ug/Kg			03/19/18 19:44	1
Bromomethane	ND		10		ug/Kg			03/19/18 19:44	1
2-Butanone (MEK)	ND		50		ug/Kg			03/19/18 19:44	1
n-Butylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Carbon disulfide	ND		5.0		ug/Kg			03/19/18 19:44	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/19/18 19:44	1
Chlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Chloroethane	ND		10		ug/Kg			03/19/18 19:44	1
Chloroform	ND		5.0		ug/Kg			03/19/18 19:44	1
Chloromethane	ND		10		ug/Kg			03/19/18 19:44	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/19/18 19:44	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/19/18 19:44	1
Chlorodibromomethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,3-Dichloropropane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1-Dichloropropene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			03/19/18 19:44	1
Ethylene Dibromide	ND		5.0		ug/Kg			03/19/18 19:44	1
Dibromomethane	ND		10		ug/Kg			03/19/18 19:44	1
Dichlorodifluoromethane	ND		10		ug/Kg			03/19/18 19:44	1
1,1-Dichloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2-Dichloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/19/18 19:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			03/19/18 19:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2-Dichloropropane	ND		5.0		ug/Kg			03/19/18 19:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			03/19/18 19:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			03/19/18 19:44	1
Ethylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/19/18 19:44	1
2-Hexanone	ND		50		ug/Kg			03/19/18 19:44	1
Isopropylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
4-Isopropyltoluene	ND		5.0		ug/Kg			03/19/18 19:44	1
Methylene Chloride	ND		10		ug/Kg			03/19/18 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			03/19/18 19:44	1
Naphthalene	ND		10		ug/Kg			03/19/18 19:44	1
N-Propylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Styrene	ND		5.0		ug/Kg			03/19/18 19:44	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240883/4
Matrix: Solid
Analysis Batch: 240883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
Tetrachloroethene	ND		5.0		ug/Kg			03/19/18 19:44	1
Toluene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
Trichloroethene	ND		5.0		ug/Kg			03/19/18 19:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			03/19/18 19:44	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			03/19/18 19:44	1
Vinyl acetate	ND		20		ug/Kg			03/19/18 19:44	1
Vinyl chloride	ND		5.0		ug/Kg			03/19/18 19:44	1
Xylenes, Total	ND		5.0		ug/Kg			03/19/18 19:44	1
2,2-Dichloropropane	ND		5.0		ug/Kg			03/19/18 19:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131		03/19/18 19:44	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140		03/19/18 19:44	1
Toluene-d8 (Surr)	99		58 - 140		03/19/18 19:44	1

Lab Sample ID: LCS 720-240883/5
Matrix: Solid
Analysis Batch: 240883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.1		ug/Kg		100	70 - 144
Acetone	250	246		ug/Kg		98	30 - 162
Benzene	50.0	48.1		ug/Kg		96	70 - 130
Dichlorobromomethane	50.0	51.9		ug/Kg		104	70 - 140
Bromobenzene	50.0	49.1		ug/Kg		98	70 - 130
Chlorobromomethane	50.0	49.6		ug/Kg		99	70 - 130
Bromoform	50.0	52.9		ug/Kg		106	59 - 158
Bromomethane	50.0	56.1		ug/Kg		112	59 - 132
2-Butanone (MEK)	250	250		ug/Kg		100	59 - 159
n-Butylbenzene	50.0	51.7		ug/Kg		103	70 - 142
sec-Butylbenzene	50.0	49.8		ug/Kg		100	70 - 136
tert-Butylbenzene	50.0	49.9		ug/Kg		100	70 - 130
Carbon disulfide	50.0	47.3		ug/Kg		95	60 - 140
Carbon tetrachloride	50.0	54.4		ug/Kg		109	70 - 142
Chlorobenzene	50.0	48.4		ug/Kg		97	70 - 130
Chloroethane	50.0	56.1		ug/Kg		112	65 - 130
Chloroform	50.0	49.6		ug/Kg		99	77 - 127
Chloromethane	50.0	58.7		ug/Kg		117	55 - 140
2-Chlorotoluene	50.0	48.5		ug/Kg		97	70 - 138

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240883/5

Matrix: Solid

Analysis Batch: 240883

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	49.4		ug/Kg		99	70 - 136
Chlorodibromomethane	50.0	52.7		ug/Kg		105	70 - 146
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 130
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	70 - 131
1,4-Dichlorobenzene	50.0	50.3		ug/Kg		101	70 - 130
1,3-Dichloropropane	50.0	47.7		ug/Kg		95	70 - 140
1,1-Dichloropropene	50.0	51.1		ug/Kg		102	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.3		ug/Kg		99	60 - 145
Ethylene Dibromide	50.0	49.9		ug/Kg		100	70 - 140
Dibromomethane	50.0	50.8		ug/Kg		102	70 - 139
Dichlorodifluoromethane	50.0	73.5		ug/Kg		147	37 - 158
1,1-Dichloroethane	50.0	48.8		ug/Kg		98	70 - 130
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130
1,1-Dichloroethene	50.0	45.7		ug/Kg		91	74 - 122
cis-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	70 - 138
trans-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	67 - 130
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	73 - 127
cis-1,3-Dichloropropene	50.0	49.7		ug/Kg		99	68 - 147
trans-1,3-Dichloropropene	50.0	48.5		ug/Kg		97	70 - 155
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 137
Hexachlorobutadiene	50.0	50.2		ug/Kg		100	70 - 132
2-Hexanone	250	256		ug/Kg		103	62 - 158
Isopropylbenzene	50.0	50.0		ug/Kg		100	70 - 130
4-Isopropyltoluene	50.0	50.5		ug/Kg		101	70 - 133
Methylene Chloride	50.0	44.2		ug/Kg		88	70 - 134
4-Methyl-2-pentanone (MIBK)	250	257		ug/Kg		103	60 - 160
Naphthalene	50.0	47.9		ug/Kg		96	60 - 147
N-Propylbenzene	50.0	50.0		ug/Kg		100	70 - 130
Styrene	50.0	48.8		ug/Kg		98	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/Kg		105	70 - 130
1,1,1,2,2-Tetrachloroethane	50.0	46.2		ug/Kg		92	70 - 146
Tetrachloroethene	50.0	50.1		ug/Kg		100	70 - 132
Toluene	50.0	47.4		ug/Kg		95	75 - 120
1,2,3-Trichlorobenzene	50.0	50.7		ug/Kg		101	60 - 140
1,2,4-Trichlorobenzene	50.0	49.8		ug/Kg		100	60 - 140
1,1,1-Trichloroethane	50.0	51.3		ug/Kg		103	70 - 130
1,1,2-Trichloroethane	50.0	48.1		ug/Kg		96	70 - 130
Trichloroethene	50.0	51.5		ug/Kg		103	70 - 133
Trichlorofluoromethane	50.0	58.0		ug/Kg		116	60 - 140
1,2,3-Trichloropropane	50.0	48.9		ug/Kg		98	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.0		ug/Kg		102	60 - 140
1,2,4-Trimethylbenzene	50.0	49.3		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	49.1		ug/Kg		98	70 - 131
Vinyl acetate	50.0	56.9		ug/Kg		114	38 - 176
Vinyl chloride	50.0	55.5		ug/Kg		111	58 - 125
m-Xylene & p-Xylene	50.0	48.5		ug/Kg		97	70 - 146
o-Xylene	50.0	49.4		ug/Kg		99	70 - 140

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240883/5
Matrix: Solid
Analysis Batch: 240883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	55.5		ug/Kg		111	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-240883/6
Matrix: Solid
Analysis Batch: 240883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	49.3		ug/Kg		99	70 - 144	2	20
Acetone	250	235		ug/Kg		94	30 - 162	4	30
Benzene	50.0	48.0		ug/Kg		96	70 - 130	0	20
Dichlorobromomethane	50.0	51.1		ug/Kg		102	70 - 140	1	20
Bromobenzene	50.0	48.4		ug/Kg		97	70 - 130	1	20
Chlorobromomethane	50.0	49.1		ug/Kg		98	70 - 130	1	20
Bromoform	50.0	51.1		ug/Kg		102	59 - 158	3	20
Bromomethane	50.0	54.8		ug/Kg		110	59 - 132	2	20
2-Butanone (MEK)	250	234		ug/Kg		93	59 - 159	7	20
n-Butylbenzene	50.0	51.6		ug/Kg		103	70 - 142	0	20
sec-Butylbenzene	50.0	49.9		ug/Kg		100	70 - 136	0	20
tert-Butylbenzene	50.0	49.9		ug/Kg		100	70 - 130	0	20
Carbon disulfide	50.0	46.7		ug/Kg		93	60 - 140	1	20
Carbon tetrachloride	50.0	54.5		ug/Kg		109	70 - 142	0	20
Chlorobenzene	50.0	48.0		ug/Kg		96	70 - 130	1	20
Chloroethane	50.0	54.7		ug/Kg		109	65 - 130	2	20
Chloroform	50.0	49.5		ug/Kg		99	77 - 127	0	20
Chloromethane	50.0	57.9		ug/Kg		116	55 - 140	1	20
2-Chlorotoluene	50.0	48.3		ug/Kg		97	70 - 138	0	20
4-Chlorotoluene	50.0	49.3		ug/Kg		99	70 - 136	0	20
Chlorodibromomethane	50.0	52.6		ug/Kg		105	70 - 146	0	20
1,2-Dichlorobenzene	50.0	48.4		ug/Kg		97	70 - 130	1	20
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	70 - 131	2	20
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	70 - 130	1	20
1,3-Dichloropropane	50.0	46.9		ug/Kg		94	70 - 140	2	20
1,1-Dichloropropene	50.0	50.5		ug/Kg		101	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	46.6		ug/Kg		93	60 - 145	6	20
Ethylene Dibromide	50.0	49.5		ug/Kg		99	70 - 140	1	20
Dibromomethane	50.0	49.4		ug/Kg		99	70 - 139	3	20
Dichlorodifluoromethane	50.0	73.6		ug/Kg		147	37 - 158	0	20
1,1-Dichloroethane	50.0	48.8		ug/Kg		98	70 - 130	0	20
1,2-Dichloroethane	50.0	48.2		ug/Kg		96	70 - 130	1	20
1,1-Dichloroethene	50.0	44.8		ug/Kg		90	74 - 122	2	20
cis-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	70 - 138	0	20
trans-1,2-Dichloroethene	50.0	48.4		ug/Kg		97	67 - 130	0	20
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	73 - 127	0	20

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-240883/6

Matrix: Solid

Analysis Batch: 240883

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	50.0	49.0		ug/Kg		98	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	47.4		ug/Kg		95	70 - 155	2	20
Ethylbenzene	50.0	48.5		ug/Kg		97	80 - 137	0	20
Hexachlorobutadiene	50.0	50.3		ug/Kg		101	70 - 132	0	20
2-Hexanone	250	242		ug/Kg		97	62 - 158	6	20
Isopropylbenzene	50.0	49.5		ug/Kg		99	70 - 130	1	20
4-Isopropyltoluene	50.0	50.7		ug/Kg		101	70 - 133	0	20
Methylene Chloride	50.0	43.3		ug/Kg		87	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	244		ug/Kg		98	60 - 160	5	20
Naphthalene	50.0	45.8		ug/Kg		92	60 - 147	4	20
N-Propylbenzene	50.0	49.5		ug/Kg		99	70 - 130	1	20
Styrene	50.0	48.4		ug/Kg		97	70 - 130	1	20
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	70 - 130	0	20
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/Kg		88	70 - 146	4	20
Tetrachloroethene	50.0	50.0		ug/Kg		100	70 - 132	0	20
Toluene	50.0	47.0		ug/Kg		94	75 - 120	1	20
1,2,3-Trichlorobenzene	50.0	49.5		ug/Kg		99	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	49.2		ug/Kg		98	60 - 140	1	20
1,1,1-Trichloroethane	50.0	51.4		ug/Kg		103	70 - 130	0	20
1,1,2-Trichloroethane	50.0	46.8		ug/Kg		94	70 - 130	3	20
Trichloroethene	50.0	51.0		ug/Kg		102	70 - 133	1	20
Trichlorofluoromethane	50.0	56.9		ug/Kg		114	60 - 140	2	20
1,2,3-Trichloropropane	50.0	46.6		ug/Kg		93	70 - 146	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.2		ug/Kg		98	60 - 140	4	20
1,2,4-Trimethylbenzene	50.0	49.4		ug/Kg		99	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	49.4		ug/Kg		99	70 - 131	1	20
Vinyl acetate	50.0	55.7		ug/Kg		111	38 - 176	2	20
Vinyl chloride	50.0	55.1		ug/Kg		110	58 - 125	1	20
m-Xylene & p-Xylene	50.0	48.9		ug/Kg		98	70 - 146	1	20
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140	0	20
2,2-Dichloropropane	50.0	55.5		ug/Kg		111	70 - 162	0	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	95		45 - 131
1,2-Dichloroethane-d4 (Surr)	96		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: MB 720-240900/4

Matrix: Water

Analysis Batch: 240900

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/20/18 08:06	1
Acetone	ND		50		ug/L			03/20/18 08:06	1
Benzene	ND		0.50		ug/L			03/20/18 08:06	1
Dichlorobromomethane	ND		0.50		ug/L			03/20/18 08:06	1
Bromobenzene	ND		1.0		ug/L			03/20/18 08:06	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240900/4
Matrix: Water
Analysis Batch: 240900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		1.0		ug/L			03/20/18 08:06	1
Bromoform	ND		1.0		ug/L			03/20/18 08:06	1
Bromomethane	ND		1.0		ug/L			03/20/18 08:06	1
2-Butanone (MEK)	ND		50		ug/L			03/20/18 08:06	1
n-Butylbenzene	ND		1.0		ug/L			03/20/18 08:06	1
sec-Butylbenzene	ND		1.0		ug/L			03/20/18 08:06	1
tert-Butylbenzene	ND		1.0		ug/L			03/20/18 08:06	1
Carbon disulfide	ND		5.0		ug/L			03/20/18 08:06	1
Carbon tetrachloride	ND		0.50		ug/L			03/20/18 08:06	1
Chlorobenzene	ND		0.50		ug/L			03/20/18 08:06	1
Chloroethane	ND		1.0		ug/L			03/20/18 08:06	1
Chloroform	ND		1.0		ug/L			03/20/18 08:06	1
Chloromethane	ND		1.0		ug/L			03/20/18 08:06	1
2-Chlorotoluene	ND		0.50		ug/L			03/20/18 08:06	1
4-Chlorotoluene	ND		0.50		ug/L			03/20/18 08:06	1
Chlorodibromomethane	ND		0.50		ug/L			03/20/18 08:06	1
1,2-Dichlorobenzene	ND		0.50		ug/L			03/20/18 08:06	1
1,3-Dichlorobenzene	ND		0.50		ug/L			03/20/18 08:06	1
1,4-Dichlorobenzene	ND		0.50		ug/L			03/20/18 08:06	1
1,3-Dichloropropane	ND		1.0		ug/L			03/20/18 08:06	1
1,1-Dichloropropene	ND		0.50		ug/L			03/20/18 08:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/20/18 08:06	1
Ethylene Dibromide	ND		0.50		ug/L			03/20/18 08:06	1
Dibromomethane	ND		0.50		ug/L			03/20/18 08:06	1
Dichlorodifluoromethane	ND		0.50		ug/L			03/20/18 08:06	1
1,1-Dichloroethane	ND		0.50		ug/L			03/20/18 08:06	1
1,2-Dichloroethane	ND		0.50		ug/L			03/20/18 08:06	1
1,1-Dichloroethene	ND		0.50		ug/L			03/20/18 08:06	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 08:06	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 08:06	1
1,2-Dichloropropane	ND		0.50		ug/L			03/20/18 08:06	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 08:06	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 08:06	1
Ethylbenzene	ND		0.50		ug/L			03/20/18 08:06	1
Hexachlorobutadiene	ND		1.0		ug/L			03/20/18 08:06	1
2-Hexanone	ND		50		ug/L			03/20/18 08:06	1
Isopropylbenzene	ND		0.50		ug/L			03/20/18 08:06	1
4-Isopropyltoluene	ND		1.0		ug/L			03/20/18 08:06	1
Methylene Chloride	ND		5.0		ug/L			03/20/18 08:06	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			03/20/18 08:06	1
Naphthalene	ND		1.0		ug/L			03/20/18 08:06	1
N-Propylbenzene	ND		1.0		ug/L			03/20/18 08:06	1
Styrene	ND		0.50		ug/L			03/20/18 08:06	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 08:06	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 08:06	1
Tetrachloroethene	ND		0.50		ug/L			03/20/18 08:06	1
Toluene	ND		0.50		ug/L			03/20/18 08:06	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/20/18 08:06	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240900/4
Matrix: Water
Analysis Batch: 240900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/20/18 08:06	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/20/18 08:06	1
1,1,2-Trichloroethane	ND		0.50		ug/L			03/20/18 08:06	1
Trichloroethene	ND		0.50		ug/L			03/20/18 08:06	1
Trichlorofluoromethane	ND		1.0		ug/L			03/20/18 08:06	1
1,2,3-Trichloropropane	ND		0.50		ug/L			03/20/18 08:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/20/18 08:06	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			03/20/18 08:06	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			03/20/18 08:06	1
Vinyl acetate	ND		10		ug/L			03/20/18 08:06	1
Vinyl chloride	ND		0.50		ug/L			03/20/18 08:06	1
Xylenes, Total	ND		0.50		ug/L			03/20/18 08:06	1
2,2-Dichloropropane	ND		0.50		ug/L			03/20/18 08:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		67 - 130		03/20/18 08:06	1
1,2-Dichloroethane-d4 (Surr)	91		72 - 130		03/20/18 08:06	1
Toluene-d8 (Surr)	97		70 - 130		03/20/18 08:06	1

Lab Sample ID: LCS 720-240900/5
Matrix: Water
Analysis Batch: 240900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	23.3		ug/L		93	70 - 130
Acetone	125	104		ug/L		84	58 - 147
Benzene	25.0	26.5		ug/L		106	84 - 130
Dichlorobromomethane	25.0	26.3		ug/L		105	81 - 130
Bromobenzene	25.0	26.5		ug/L		106	84 - 130
Chlorobromomethane	25.0	23.6		ug/L		94	81 - 130
Bromoform	25.0	25.4		ug/L		102	79 - 127
Bromomethane	25.0	23.7		ug/L		95	65 - 151
2-Butanone (MEK)	125	116		ug/L		92	66 - 133
n-Butylbenzene	25.0	29.1		ug/L		117	86 - 134
sec-Butylbenzene	25.0	29.1		ug/L		117	85 - 134
tert-Butylbenzene	25.0	28.4		ug/L		114	85 - 135
Carbon disulfide	25.0	26.7		ug/L		107	60 - 159
Carbon tetrachloride	25.0	28.1		ug/L		112	79 - 133
Chlorobenzene	25.0	26.4		ug/L		106	85 - 130
Chloroethane	25.0	26.0		ug/L		104	62 - 148
Chloroform	25.0	24.8		ug/L		99	82 - 130
Chloromethane	25.0	24.2		ug/L		97	46 - 147
2-Chlorotoluene	25.0	28.5		ug/L		114	83 - 130
4-Chlorotoluene	25.0	30.2		ug/L		121	85 - 130
Chlorodibromomethane	25.0	25.8		ug/L		103	77 - 133
1,2-Dichlorobenzene	25.0	26.1		ug/L		104	85 - 130
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	86 - 130
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	86 - 130

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240900/5

Matrix: Water

Analysis Batch: 240900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	25.0	25.7		ug/L		103	77 - 130
1,1-Dichloropropene	25.0	28.0		ug/L		112	83 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.3		ug/L		85	70 - 136
Ethylene Dibromide	25.0	25.2		ug/L		101	80 - 130
Dibromomethane	25.0	24.3		ug/L		97	79 - 130
Dichlorodifluoromethane	25.0	22.0		ug/L		88	18 - 173
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 130
1,2-Dichloroethane	25.0	24.6		ug/L		99	66 - 132
1,1-Dichloroethene	25.0	24.8		ug/L		99	64 - 128
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	77 - 130
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	79 - 130
1,2-Dichloropropane	25.0	26.0		ug/L		104	79 - 130
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	82 - 130
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	76 - 129
Ethylbenzene	25.0	27.7		ug/L		111	87 - 127
Hexachlorobutadiene	25.0	28.5		ug/L		114	78 - 140
2-Hexanone	125	129		ug/L		103	57 - 140
Isopropylbenzene	25.0	29.7		ug/L		119	90 - 130
4-Isopropyltoluene	25.0	30.0		ug/L		120	88 - 130
Methylene Chloride	25.0	23.6		ug/L		94	75 - 128
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 140
Naphthalene	25.0	24.8		ug/L		99	81 - 130
N-Propylbenzene	25.0	28.5		ug/L		114	84 - 130
Styrene	25.0	26.8		ug/L		107	84 - 130
1,1,1,2-Tetrachloroethane	25.0	26.3		ug/L		105	88 - 130
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	81 - 130
Toluene	25.0	28.3		ug/L		113	85 - 120
1,2,3-Trichlorobenzene	25.0	24.8		ug/L		99	87 - 130
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	78 - 138
1,1,1-Trichloroethane	25.0	26.9		ug/L		107	81 - 130
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	80 - 130
Trichloroethene	25.0	26.0		ug/L		104	85 - 130
Trichlorofluoromethane	25.0	26.4		ug/L		106	75 - 132
1,2,3-Trichloropropane	25.0	24.1		ug/L		96	77 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.4		ug/L		101	70 - 145
1,2,4-Trimethylbenzene	25.0	27.3		ug/L		109	87 - 132
1,3,5-Trimethylbenzene	25.0	27.9		ug/L		112	87 - 130
Vinyl acetate	25.0	23.9		ug/L		96	43 - 146
Vinyl chloride	25.0	27.4		ug/L		110	50 - 156
m-Xylene & p-Xylene	25.0	29.0		ug/L		116	86 - 126
o-Xylene	25.0	28.1		ug/L		112	86 - 130
2,2-Dichloropropane	25.0	27.5		ug/L		110	80 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	88		72 - 130

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240900/5
Matrix: Water
Analysis Batch: 240900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 720-240900/6
Matrix: Water
Analysis Batch: 240900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	23.9		ug/L		96	70 - 130	3	20
Acetone	125	118		ug/L		95	58 - 147	13	30
Benzene	25.0	26.6		ug/L		106	84 - 130	0	20
Dichlorobromomethane	25.0	26.4		ug/L		106	81 - 130	0	20
Bromobenzene	25.0	27.1		ug/L		108	84 - 130	2	20
Chlorobromomethane	25.0	23.4		ug/L		94	81 - 130	1	20
Bromoform	25.0	27.4		ug/L		110	79 - 127	8	20
Bromomethane	25.0	23.0		ug/L		92	65 - 151	3	20
2-Butanone (MEK)	125	134		ug/L		107	66 - 133	15	22
n-Butylbenzene	25.0	28.1		ug/L		112	86 - 134	4	20
sec-Butylbenzene	25.0	28.1		ug/L		112	85 - 134	4	20
tert-Butylbenzene	25.0	27.8		ug/L		111	85 - 135	2	20
Carbon disulfide	25.0	25.5		ug/L		102	60 - 159	5	20
Carbon tetrachloride	25.0	27.4		ug/L		109	79 - 133	2	20
Chlorobenzene	25.0	26.4		ug/L		105	85 - 130	0	20
Chloroethane	25.0	24.9		ug/L		100	62 - 148	4	20
Chloroform	25.0	24.3		ug/L		97	82 - 130	2	20
Chloromethane	25.0	23.7		ug/L		95	46 - 147	2	20
2-Chlorotoluene	25.0	27.5		ug/L		110	83 - 130	3	20
4-Chlorotoluene	25.0	30.1		ug/L		120	85 - 130	0	20
Chlorodibromomethane	25.0	27.3		ug/L		109	77 - 133	6	20
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	85 - 130	1	20
1,3-Dichlorobenzene	25.0	26.8		ug/L		107	86 - 130	0	20
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	86 - 130	0	20
1,3-Dichloropropane	25.0	27.9		ug/L		112	77 - 130	8	20
1,1-Dichloropropane	25.0	27.8		ug/L		111	83 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	70 - 136	12	20
Ethylene Dibromide	25.0	27.9		ug/L		112	80 - 130	10	20
Dibromomethane	25.0	25.4		ug/L		102	79 - 130	4	20
Dichlorodifluoromethane	25.0	21.2		ug/L		85	18 - 173	4	20
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 130	2	20
1,2-Dichloroethane	25.0	25.2		ug/L		101	66 - 132	2	20
1,1-Dichloroethene	25.0	23.3		ug/L		93	64 - 128	6	20
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	77 - 130	3	20
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	79 - 130	3	20
1,2-Dichloropropane	25.0	26.4		ug/L		105	79 - 130	1	20
cis-1,3-Dichloropropane	25.0	28.1		ug/L		112	82 - 130	5	20
trans-1,3-Dichloropropane	25.0	30.4		ug/L		122	76 - 129	9	20
Ethylbenzene	25.0	27.3		ug/L		109	87 - 127	1	20
Hexachlorobutadiene	25.0	28.0		ug/L		112	78 - 140	1	20
2-Hexanone	125	158		ug/L		127	57 - 140	21	24

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-240900/6

Matrix: Water

Analysis Batch: 240900

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	25.0	28.6		ug/L		114	90 - 130	4	20
4-Isopropyltoluene	25.0	29.0		ug/L		116	88 - 130	3	20
Methylene Chloride	25.0	22.8		ug/L		91	75 - 128	3	20
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		111	58 - 140	11	21
Naphthalene	25.0	25.8		ug/L		103	81 - 130	4	20
N-Propylbenzene	25.0	27.8		ug/L		111	84 - 130	3	20
Styrene	25.0	27.0		ug/L		108	84 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	88 - 130	4	20
1,1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		106	70 - 130	5	20
Tetrachloroethene	25.0	27.4		ug/L		109	81 - 130	2	20
Toluene	25.0	28.0		ug/L		112	85 - 120	1	20
1,2,3-Trichlorobenzene	25.0	24.3		ug/L		97	87 - 130	2	20
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		99	78 - 138	2	20
1,1,1-Trichloroethane	25.0	26.1		ug/L		104	81 - 130	3	20
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	80 - 130	8	20
Trichloroethene	25.0	26.2		ug/L		105	85 - 130	1	20
Trichlorofluoromethane	25.0	24.9		ug/L		100	75 - 132	6	20
1,2,3-Trichloropropane	25.0	26.1		ug/L		104	77 - 130	8	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.4		ug/L		97	70 - 145	4	20
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	87 - 132	4	20
1,3,5-Trimethylbenzene	25.0	26.8		ug/L		107	87 - 130	4	20
Vinyl acetate	25.0	25.9		ug/L		103	43 - 146	8	20
Vinyl chloride	25.0	26.0		ug/L		104	50 - 156	5	20
m-Xylene & p-Xylene	25.0	28.8		ug/L		115	86 - 126	1	20
o-Xylene	25.0	27.3		ug/L		109	86 - 130	3	20
2,2-Dichloropropane	25.0	26.9		ug/L		108	80 - 140	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		72 - 130
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: MB 720-240961/9

Matrix: Water

Analysis Batch: 240961

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/20/18 21:24	1
Acetone	ND		50		ug/L			03/20/18 21:24	1
Benzene	ND		0.50		ug/L			03/20/18 21:24	1
Dichlorobromomethane	ND		0.50		ug/L			03/20/18 21:24	1
Bromobenzene	ND		1.0		ug/L			03/20/18 21:24	1
Chlorobromomethane	ND		1.0		ug/L			03/20/18 21:24	1
Bromoform	ND		1.0		ug/L			03/20/18 21:24	1
Bromomethane	ND		1.0		ug/L			03/20/18 21:24	1
2-Butanone (MEK)	ND		50		ug/L			03/20/18 21:24	1
n-Butylbenzene	ND		1.0		ug/L			03/20/18 21:24	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240961/9

Matrix: Water

Analysis Batch: 240961

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			03/20/18 21:24	1
tert-Butylbenzene	ND		1.0		ug/L			03/20/18 21:24	1
Carbon disulfide	ND		5.0		ug/L			03/20/18 21:24	1
Carbon tetrachloride	ND		0.50		ug/L			03/20/18 21:24	1
Chlorobenzene	ND		0.50		ug/L			03/20/18 21:24	1
Chloroethane	ND		1.0		ug/L			03/20/18 21:24	1
Chloroform	ND		1.0		ug/L			03/20/18 21:24	1
Chloromethane	ND		1.0		ug/L			03/20/18 21:24	1
2-Chlorotoluene	ND		0.50		ug/L			03/20/18 21:24	1
4-Chlorotoluene	ND		0.50		ug/L			03/20/18 21:24	1
Chlorodibromomethane	ND		0.50		ug/L			03/20/18 21:24	1
1,2-Dichlorobenzene	ND		0.50		ug/L			03/20/18 21:24	1
1,3-Dichlorobenzene	ND		0.50		ug/L			03/20/18 21:24	1
1,4-Dichlorobenzene	ND		0.50		ug/L			03/20/18 21:24	1
1,3-Dichloropropane	ND		1.0		ug/L			03/20/18 21:24	1
1,1-Dichloropropene	ND		0.50		ug/L			03/20/18 21:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/20/18 21:24	1
Ethylene Dibromide	ND		0.50		ug/L			03/20/18 21:24	1
Dibromomethane	ND		0.50		ug/L			03/20/18 21:24	1
Dichlorodifluoromethane	ND		0.50		ug/L			03/20/18 21:24	1
1,1-Dichloroethane	ND		0.50		ug/L			03/20/18 21:24	1
1,2-Dichloroethane	ND		0.50		ug/L			03/20/18 21:24	1
1,1-Dichloroethene	ND		0.50		ug/L			03/20/18 21:24	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 21:24	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			03/20/18 21:24	1
1,2-Dichloropropane	ND		0.50		ug/L			03/20/18 21:24	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 21:24	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			03/20/18 21:24	1
Ethylbenzene	ND		0.50		ug/L			03/20/18 21:24	1
Hexachlorobutadiene	ND		1.0		ug/L			03/20/18 21:24	1
2-Hexanone	ND		50		ug/L			03/20/18 21:24	1
Isopropylbenzene	ND		0.50		ug/L			03/20/18 21:24	1
4-Isopropyltoluene	ND		1.0		ug/L			03/20/18 21:24	1
Methylene Chloride	ND		5.0		ug/L			03/20/18 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			03/20/18 21:24	1
Naphthalene	ND		1.0		ug/L			03/20/18 21:24	1
N-Propylbenzene	ND		1.0		ug/L			03/20/18 21:24	1
Styrene	ND		0.50		ug/L			03/20/18 21:24	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 21:24	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/20/18 21:24	1
Tetrachloroethene	ND		0.50		ug/L			03/20/18 21:24	1
Toluene	ND		0.50		ug/L			03/20/18 21:24	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/20/18 21:24	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/20/18 21:24	1
1,1,1-Trichloroethane	ND		0.50		ug/L			03/20/18 21:24	1
1,1,2-Trichloroethane	ND		0.50		ug/L			03/20/18 21:24	1
Trichloroethene	ND		0.50		ug/L			03/20/18 21:24	1
Trichlorofluoromethane	ND		1.0		ug/L			03/20/18 21:24	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240961/9
Matrix: Water
Analysis Batch: 240961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		0.50		ug/L			03/20/18 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			03/20/18 21:24	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			03/20/18 21:24	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			03/20/18 21:24	1
Vinyl acetate	ND		10		ug/L			03/20/18 21:24	1
Vinyl chloride	ND		0.50		ug/L			03/20/18 21:24	1
Xylenes, Total	ND		0.50		ug/L			03/20/18 21:24	1
2,2-Dichloropropane	ND		0.50		ug/L			03/20/18 21:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		67 - 130		03/20/18 21:24	1
1,2-Dichloroethane-d4 (Surr)	92		72 - 130		03/20/18 21:24	1
Toluene-d8 (Surr)	98		70 - 130		03/20/18 21:24	1

Lab Sample ID: LCS 720-240961/5
Matrix: Water
Analysis Batch: 240961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.0		ug/L		100	70 - 130
Acetone	125	105		ug/L		84	58 - 147
Benzene	25.0	24.1		ug/L		96	84 - 130
Dichlorobromomethane	25.0	25.5		ug/L		102	81 - 130
Bromobenzene	25.0	25.0		ug/L		100	84 - 130
Chlorobromomethane	25.0	23.3		ug/L		93	81 - 130
Bromoform	25.0	25.7		ug/L		103	79 - 127
Bromomethane	25.0	18.0		ug/L		72	65 - 151
2-Butanone (MEK)	125	118		ug/L		95	66 - 133
n-Butylbenzene	25.0	25.5		ug/L		102	86 - 134
sec-Butylbenzene	25.0	24.9		ug/L		100	85 - 134
tert-Butylbenzene	25.0	24.7		ug/L		99	85 - 135
Carbon disulfide	25.0	21.5		ug/L		86	60 - 159
Carbon tetrachloride	25.0	24.7		ug/L		99	79 - 133
Chlorobenzene	25.0	24.4		ug/L		97	85 - 130
Chloroethane	25.0	19.1		ug/L		76	62 - 148
Chloroform	25.0	23.1		ug/L		92	82 - 130
Chloromethane	25.0	16.2		ug/L		65	46 - 147
2-Chlorotoluene	25.0	25.6		ug/L		102	83 - 130
4-Chlorotoluene	25.0	27.6		ug/L		111	85 - 130
Chlorodibromomethane	25.0	25.6		ug/L		103	77 - 133
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	85 - 130
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	86 - 130
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	86 - 130
1,3-Dichloropropane	25.0	24.7		ug/L		99	77 - 130
1,1-Dichloropropene	25.0	25.5		ug/L		102	83 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	70 - 136
Ethylene Dibromide	25.0	25.2		ug/L		101	80 - 130
Dibromomethane	25.0	23.4		ug/L		94	79 - 130

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240961/5

Matrix: Water

Analysis Batch: 240961

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	25.0	15.0		ug/L		60	18 - 173
1,1-Dichloroethane	25.0	23.1		ug/L		92	77 - 130
1,2-Dichloroethane	25.0	23.6		ug/L		94	66 - 132
1,1-Dichloroethene	25.0	20.5		ug/L		82	64 - 128
cis-1,2-Dichloroethene	25.0	22.9		ug/L		92	77 - 130
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	79 - 130
1,2-Dichloropropane	25.0	24.1		ug/L		97	79 - 130
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	82 - 130
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	76 - 129
Ethylbenzene	25.0	24.7		ug/L		99	87 - 127
Hexachlorobutadiene	25.0	25.9		ug/L		104	78 - 140
2-Hexanone	125	139		ug/L		111	57 - 140
Isopropylbenzene	25.0	26.3		ug/L		105	90 - 130
4-Isopropyltoluene	25.0	26.5		ug/L		106	88 - 130
Methylene Chloride	25.0	22.9		ug/L		91	75 - 128
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	58 - 140
Naphthalene	25.0	25.4		ug/L		102	81 - 130
N-Propylbenzene	25.0	25.1		ug/L		100	84 - 130
Styrene	25.0	25.1		ug/L		101	84 - 130
1,1,1,2-Tetrachloroethane	25.0	25.4		ug/L		102	88 - 130
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	81 - 130
Toluene	25.0	25.3		ug/L		101	85 - 120
1,2,3-Trichlorobenzene	25.0	25.5		ug/L		102	87 - 130
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	78 - 138
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	81 - 130
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	80 - 130
Trichloroethene	25.0	23.6		ug/L		95	85 - 130
Trichlorofluoromethane	25.0	19.5		ug/L		78	75 - 132
1,2,3-Trichloropropane	25.0	24.6		ug/L		99	77 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.1		ug/L		88	70 - 145
1,2,4-Trimethylbenzene	25.0	24.5		ug/L		98	87 - 132
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	87 - 130
Vinyl acetate	25.0	21.8		ug/L		87	43 - 146
Vinyl chloride	25.0	17.5		ug/L		70	50 - 156
m-Xylene & p-Xylene	25.0	26.3		ug/L		105	86 - 126
o-Xylene	25.0	25.5		ug/L		102	86 - 130
2,2-Dichloropropane	25.0	24.6		ug/L		99	80 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		72 - 130
Toluene-d8 (Surr)	105		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-240961/6

Matrix: Water

Analysis Batch: 240961

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	20.9		ug/L		84	70 - 130	18	20
Acetone	125	81.1		ug/L		65	58 - 147	26	30
Benzene	25.0	23.3		ug/L		93	84 - 130	3	20
Dichlorobromomethane	25.0	24.1		ug/L		97	81 - 130	6	20
Bromobenzene	25.0	24.2		ug/L		97	84 - 130	3	20
Chlorobromomethane	25.0	21.1		ug/L		84	81 - 130	10	20
Bromoform	25.0	22.8		ug/L		91	79 - 127	12	20
Bromomethane	25.0	16.9		ug/L		68	65 - 151	6	20
2-Butanone (MEK)	125	95.6		ug/L		77	66 - 133	21	22
n-Butylbenzene	25.0	25.4		ug/L		102	86 - 134	0	20
sec-Butylbenzene	25.0	24.3		ug/L		97	85 - 134	3	20
tert-Butylbenzene	25.0	24.4		ug/L		98	85 - 135	1	20
Carbon disulfide	25.0	20.4		ug/L		81	60 - 159	6	20
Carbon tetrachloride	25.0	23.4		ug/L		94	79 - 133	5	20
Chlorobenzene	25.0	24.0		ug/L		96	85 - 130	2	20
Chloroethane	25.0	18.0		ug/L		72	62 - 148	6	20
Chloroform	25.0	21.8		ug/L		87	82 - 130	6	20
Chloromethane	25.0	15.2		ug/L		61	46 - 147	6	20
2-Chlorotoluene	25.0	24.4		ug/L		98	83 - 130	5	20
4-Chlorotoluene	25.0	27.5		ug/L		110	85 - 130	0	20
Chlorodibromomethane	25.0	24.1		ug/L		96	77 - 133	6	20
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	85 - 130	6	20
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	86 - 130	2	20
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	86 - 130	1	20
1,3-Dichloropropane	25.0	23.5		ug/L		94	77 - 130	5	20
1,1-Dichloropropene	25.0	25.0		ug/L		100	83 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	19.0	*	ug/L		76	70 - 136	23	20
Ethylene Dibromide	25.0	23.8		ug/L		95	80 - 130	6	20
Dibromomethane	25.0	21.1		ug/L		84	79 - 130	11	20
Dichlorodifluoromethane	25.0	13.5		ug/L		54	18 - 173	11	20
1,1-Dichloroethane	25.0	21.9		ug/L		88	77 - 130	5	20
1,2-Dichloroethane	25.0	21.6		ug/L		86	66 - 132	9	20
1,1-Dichloroethene	25.0	19.4		ug/L		77	64 - 128	6	20
cis-1,2-Dichloroethene	25.0	21.3		ug/L		85	77 - 130	7	20
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	79 - 130	6	20
1,2-Dichloropropane	25.0	23.2		ug/L		93	79 - 130	4	20
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	82 - 130	2	20
trans-1,3-Dichloropropene	25.0	26.9		ug/L		108	76 - 129	0	20
Ethylbenzene	25.0	24.3		ug/L		97	87 - 127	2	20
Hexachlorobutadiene	25.0	26.0		ug/L		104	78 - 140	0	20
2-Hexanone	125	131		ug/L		105	57 - 140	6	24
Isopropylbenzene	25.0	25.5		ug/L		102	90 - 130	3	20
4-Isopropyltoluene	25.0	25.9		ug/L		103	88 - 130	2	20
Methylene Chloride	25.0	20.4		ug/L		82	75 - 128	11	20
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	58 - 140	18	21
Naphthalene	25.0	21.7		ug/L		87	81 - 130	16	20
N-Propylbenzene	25.0	24.4		ug/L		98	84 - 130	3	20
Styrene	25.0	24.9		ug/L		100	84 - 130	1	20

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-240961/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 240961

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.4		ug/L		94	88 - 130	8	20
1,1,1,2,2-Tetrachloroethane	25.0	20.8		ug/L		83	70 - 130	17	20
Tetrachloroethene	25.0	24.6		ug/L		99	81 - 130	1	20
Toluene	25.0	25.0		ug/L		100	85 - 120	1	20
1,2,3-Trichlorobenzene	25.0	22.7		ug/L		91	87 - 130	12	20
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	78 - 138	8	20
1,1,1-Trichloroethane	25.0	22.5		ug/L		90	81 - 130	6	20
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	80 - 130	6	20
Trichloroethene	25.0	23.3		ug/L		93	85 - 130	2	20
Trichlorofluoromethane	25.0	18.5	*	ug/L		74	75 - 132	6	20
1,2,3-Trichloropropane	25.0	20.5		ug/L		82	77 - 130	18	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.9		ug/L		84	70 - 145	5	20
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		94	87 - 132	4	20
1,3,5-Trimethylbenzene	25.0	23.8		ug/L		95	87 - 130	4	20
Vinyl acetate	25.0	19.5		ug/L		78	43 - 146	11	20
Vinyl chloride	25.0	17.2		ug/L		69	50 - 156	2	20
m-Xylene & p-Xylene	25.0	25.9		ug/L		104	86 - 126	1	20
o-Xylene	25.0	24.6		ug/L		98	86 - 130	4	20
2,2-Dichloropropane	25.0	23.2		ug/L		93	80 - 140	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	88		72 - 130
Toluene-d8 (Surr)	107		70 - 130

TestAmerica Pleasanton

QC Association Summary

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

GC/MS VOA

Prep Batch: 240846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-2	B15 S/GW-S8-A	Total/NA	Solid	5035	
720-85358-4	B16 S/GW-S8-A	Total/NA	Solid	5035	

Analysis Batch: 240883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-2	B15 S/GW-S8-A	Total/NA	Solid	8260B	240846
720-85358-4	B16 S/GW-S8-A	Total/NA	Solid	8260B	240846
MB 720-240883/4	Method Blank	Total/NA	Solid	8260B	
LCS 720-240883/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 720-240883/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 240900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-6	TRIP BLANK	Total/NA	Water	8260B	
MB 720-240900/4	Method Blank	Total/NA	Water	8260B	
LCS 720-240900/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-240900/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 240961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-5	B15 S/GW-W	Total/NA	Water	8260B	
MB 720-240961/9	Method Blank	Total/NA	Water	8260B	
LCS 720-240961/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-240961/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Lab Chronicle

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Client Sample ID: B15 S/GW-S8-A

Date Collected: 03/15/18 11:12

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240846	03/16/18 16:30	AJS	TAL PLS
Total/NA	Analysis	8260B		1	240883	03/19/18 22:48	AJS	TAL PLS

Client Sample ID: B16 S/GW-S8-A

Date Collected: 03/15/18 13:13

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240846	03/16/18 16:30	AJS	TAL PLS
Total/NA	Analysis	8260B		1	240883	03/19/18 23:18	AJS	TAL PLS

Client Sample ID: B15 S/GW-W

Date Collected: 03/16/18 09:35

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	240961	03/21/18 03:09	JRM	TAL PLS

Client Sample ID: TRIP BLANK

Date Collected: 03/16/18 00:00

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	240900	03/20/18 10:30	A1C	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Laboratory: TestAmerica Pleasanton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20
USDA	Federal		P330-17-00380	12-11-20

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Method Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-85358-2	B15 S/GW-S8-A	Solid	03/15/18 11:12	03/16/18 14:40
720-85358-4	B16 S/GW-S8-A	Solid	03/15/18 13:13	03/16/18 14:40
720-85358-5	B15 S/GW-W	Water	03/16/18 09:35	03/16/18 14:40
720-85358-6	TRIP BLANK	Water	03/16/18 00:00	03/16/18 14:40

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-853358

TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 191923

Date: 3/16/18 Page 1 of 1

Report To

Attn: Mike Harrison
 Company: Enviro Assets
 Address: 6037 La Salle Ave, Oakland CA
 Email: mharrison@enviroassets.com
 Bill To: Mike Harrison
 Sampled By: George Mead
 Attn: Phone:

Analysis Request

Sample ID	Date	Time	Mat	Preserv	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B	HVOCs by <input type="checkbox"/> EPA 8260B	EPA 8260B <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> 5 Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	TEPH EPA 8015B <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	SemiVolatile Organics GC/MS <input type="checkbox"/> EPA 8270C	PNA/PAH's by <input type="checkbox"/> 8270C <input type="checkbox"/> 8270C SIM	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664/9071) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 PCBs <input type="checkbox"/> EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> 6010B <input type="checkbox"/> 200.7 <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Metals: <input type="checkbox"/> 6020 <input type="checkbox"/> 200.8 (ICP-MS):	<input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> W.E.T (DI) <input type="checkbox"/> TCLP	Hex Chrom by <input type="checkbox"/> EPA 7196 <input type="checkbox"/> or EPA 7199	pH <input type="checkbox"/> 9040 <input type="checkbox"/> SM4500	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> SS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	<input type="checkbox"/> Perchlorate by EPA 314 D	COD <input type="checkbox"/> EPA 410 4 <input type="checkbox"/> SM5220D <input type="checkbox"/> Turbidity			
B15 3/GW-S2-A	3/16/18	1250	S		X																				
B15 3/GW-S3-A	3/16/18	1112	S		X																				
B16 S/GW-S2-A	3/16/18	1307	S		X																				
B16 S/GW-S8-A	3/16/18	1313	S		X																				
B15 S/GW W	3/16/18	0935	W		X																				
Strip Black	3/16/18		W		X																				

POST



720-853358 Chain of Custody

Project Info

Project Name/ #: Red Hanger Cleaners
 EA270
 # of Containers: 5
 Head Space:
 Temp: 56°C

Sample Receipt

Credit Card V/N: _____
 If yes, please call with payment information ASAP

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments: Global ID _____
 See Terms and Conditions on reverse

1) Relinquished by: Signature: <i>George Mead</i> Printed Name: George Mead Company: Enviro Assets Time: 1445 Date: 3/16/18	2) Relinquished by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____	3) Relinquished by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____
--	--	--

3 day RUSH

Login Sample Receipt Checklist

Client: EnviroAssets Inc

Job Number: 720-85358-1

Login Number: 85358
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-85358-2
Client Project/Site: Red Hanger Cleaners

For:
EnviroAssets Inc
6037 La Salle Ave
Oakland, California 94611-3227

Attn: Michael Harrison



Authorized for release by:
3/21/2018 2:32:19 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Job ID: 720-85358-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-85358-2

Comments

No additional comments.

Receipt

The samples were received on 3/16/2018 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 720-240847 and analytical batch 720-240955 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method(s) 6010B: The following sample was diluted due to the abundance of non-target analyte: B15 S/GW-S2-A (720-85358-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B15 S/GW-S2-A

Lab Sample ID: 720-85358-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	2.8	F1	1.6		mg/Kg	4		6010B	Total/NA
Arsenic	5.9		3.3		mg/Kg	4		6010B	Total/NA
Barium	150	F1	1.6		mg/Kg	4		6010B	Total/NA
Beryllium	0.47		0.33		mg/Kg	4		6010B	Total/NA
Chromium	140	F1 F2	1.6		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.65		mg/Kg	4		6010B	Total/NA
Copper	50	F1 F2	4.9		mg/Kg	4		6010B	Total/NA
Lead	34	F1	1.6		mg/Kg	4		6010B	Total/NA
Molybdenum	16	F1 F2	1.6		mg/Kg	4		6010B	Total/NA
Nickel	51		1.6		mg/Kg	4		6010B	Total/NA
Vanadium	41		1.6		mg/Kg	4		6010B	Total/NA
Zinc	80	F1	4.9		mg/Kg	4		6010B	Total/NA
Mercury	0.039		0.015		mg/Kg	1		7471A	Total/NA

Client Sample ID: B16 S/GW-S2-A

Lab Sample ID: 720-85358-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.0		3.6		mg/Kg	4		6010B	Total/NA
Barium	180		1.8		mg/Kg	4		6010B	Total/NA
Beryllium	0.43		0.36		mg/Kg	4		6010B	Total/NA
Chromium	33		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	8.5		0.73		mg/Kg	4		6010B	Total/NA
Copper	32		5.5		mg/Kg	4		6010B	Total/NA
Lead	240		1.8		mg/Kg	4		6010B	Total/NA
Nickel	32		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	36		1.8		mg/Kg	4		6010B	Total/NA
Zinc	110		5.5		mg/Kg	4		6010B	Total/NA
Mercury	0.085		0.016		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B15 S/GW-S2-A

Lab Sample ID: 720-85358-1

Date Collected: 03/15/18 10:50

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Acetone	ND		46		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Benzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Dichlorobromomethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Bromobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chlorobromomethane	ND		18		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Bromoform	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Bromomethane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
2-Butanone (MEK)	ND		46		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
n-Butylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
sec-Butylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
tert-Butylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Carbon disulfide	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Carbon tetrachloride	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chloroethane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chloroform	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chloromethane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
2-Chlorotoluene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
4-Chlorotoluene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Chlorodibromomethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,3-Dichloropropane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1-Dichloropropene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Ethylene Dibromide	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Dibromomethane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Dichlorodifluoromethane	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1-Dichloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2-Dichloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1-Dichloroethene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2-Dichloropropane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Ethylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Hexachlorobutadiene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
2-Hexanone	ND		46		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Isopropylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
4-Isopropyltoluene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Methylene Chloride	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
4-Methyl-2-pentanone (MIBK)	ND		46		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Naphthalene	ND		9.2		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
N-Propylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Styrene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B15 S/GW-S2-A

Lab Sample ID: 720-85358-1

Date Collected: 03/15/18 10:50

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Tetrachloroethene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Toluene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1,1-Trichloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1,2-Trichloroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Trichloroethene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Trichlorofluoromethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2,3-Trichloropropane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,2,4-Trimethylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Vinyl acetate	ND		18		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Vinyl chloride	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
Xylenes, Total	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1
2,2-Dichloropropane	ND		4.6		ug/Kg		03/16/18 16:30	03/16/18 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131	03/16/18 16:30	03/16/18 22:06	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 140	03/16/18 16:30	03/16/18 22:06	1
Toluene-d8 (Surr)	97		58 - 140	03/16/18 16:30	03/16/18 22:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.8	F1	1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Arsenic	5.9		3.3		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Barium	150	F1	1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Beryllium	0.47		0.33		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Cadmium	ND		0.41		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Chromium	140	F1 F2	1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Cobalt	11		0.65		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Copper	50	F1 F2	4.9		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Lead	34	F1	1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Molybdenum	16	F1 F2	1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Nickel	51		1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Selenium	ND		3.3		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Silver	ND		0.81		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Thallium	ND		1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Vanadium	41		1.6		mg/Kg		03/20/18 10:30	03/20/18 15:24	4
Zinc	80	F1	4.9		mg/Kg		03/20/18 10:30	03/20/18 15:24	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.015		mg/Kg		03/20/18 08:27	03/20/18 15:30	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B16 S/GW-S2-A

Lab Sample ID: 720-85358-3

Date Collected: 03/15/18 13:07

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Acetone	ND		58		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Benzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Dichlorobromomethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Bromobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chlorobromomethane	ND		23		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Bromoform	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Bromomethane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
2-Butanone (MEK)	ND		58		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
n-Butylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
sec-Butylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
tert-Butylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Carbon disulfide	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Carbon tetrachloride	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chloroethane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chloroform	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chloromethane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
2-Chlorotoluene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
4-Chlorotoluene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Chlorodibromomethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2-Dichlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,3-Dichlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,4-Dichlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,3-Dichloropropane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1-Dichloropropene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Ethylene Dibromide	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Dibromomethane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Dichlorodifluoromethane	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1-Dichloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2-Dichloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1-Dichloroethene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
cis-1,2-Dichloroethene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
trans-1,2-Dichloroethene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2-Dichloropropane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
cis-1,3-Dichloropropene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
trans-1,3-Dichloropropene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Ethylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Hexachlorobutadiene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
2-Hexanone	ND		58		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Isopropylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
4-Isopropyltoluene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Methylene Chloride	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
4-Methyl-2-pentanone (MIBK)	ND		58		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Naphthalene	ND		12		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
N-Propylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Styrene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1,1,2-Tetrachloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B16 S/GW-S2-A

Lab Sample ID: 720-85358-3

Date Collected: 03/15/18 13:07

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Tetrachloroethene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Toluene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2,3-Trichlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2,4-Trichlorobenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1,1-Trichloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1,2-Trichloroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Trichloroethene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Trichlorofluoromethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2,3-Trichloropropane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,2,4-Trimethylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
1,3,5-Trimethylbenzene	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Vinyl acetate	ND		23		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Vinyl chloride	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
Xylenes, Total	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1
2,2-Dichloropropane	ND		5.8		ug/Kg		03/16/18 16:30	03/16/18 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131	03/16/18 16:30	03/16/18 22:37	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140	03/16/18 16:30	03/16/18 22:37	1
Toluene-d8 (Surr)	96		58 - 140	03/16/18 16:30	03/16/18 22:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Arsenic	4.0		3.6		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Barium	180		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Beryllium	0.43		0.36		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Cadmium	ND		0.45		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Chromium	33		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Cobalt	8.5		0.73		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Copper	32		5.5		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Lead	240		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Molybdenum	ND		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Nickel	32		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Selenium	ND		3.6		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Silver	ND		0.91		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Thallium	ND		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Vanadium	36		1.8		mg/Kg		03/20/18 10:30	03/20/18 18:16	4
Zinc	110		5.5		mg/Kg		03/20/18 10:30	03/20/18 18:16	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.016		mg/Kg		03/20/18 08:27	03/20/18 15:32	1

TestAmerica Pleasanton

Surrogate Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (45-131)	DCA (60-140)	TOL (58-140)
720-85358-1	B15 S/GW-S2-A	83	111	97
720-85358-3	B16 S/GW-S2-A	90	116	96
LCS 720-240775/5	Lab Control Sample	95	99	98
LCSD 720-240775/6	Lab Control Sample Dup	96	101	98
MB 720-240775/4	Method Blank	100	106	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-240775/4

Matrix: Solid

Analysis Batch: 240775

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			03/16/18 19:34	1
Acetone	ND		50		ug/Kg			03/16/18 19:34	1
Benzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Dichlorobromomethane	ND		5.0		ug/Kg			03/16/18 19:34	1
Bromobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Chlorobromomethane	ND		20		ug/Kg			03/16/18 19:34	1
Bromoform	ND		5.0		ug/Kg			03/16/18 19:34	1
Bromomethane	ND		10		ug/Kg			03/16/18 19:34	1
2-Butanone (MEK)	ND		50		ug/Kg			03/16/18 19:34	1
n-Butylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Carbon disulfide	ND		5.0		ug/Kg			03/16/18 19:34	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/16/18 19:34	1
Chlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Chloroethane	ND		10		ug/Kg			03/16/18 19:34	1
Chloroform	ND		5.0		ug/Kg			03/16/18 19:34	1
Chloromethane	ND		10		ug/Kg			03/16/18 19:34	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/16/18 19:34	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/16/18 19:34	1
Chlorodibromomethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,3-Dichloropropane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1-Dichloropropene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			03/16/18 19:34	1
Ethylene Dibromide	ND		5.0		ug/Kg			03/16/18 19:34	1
Dibromomethane	ND		10		ug/Kg			03/16/18 19:34	1
Dichlorodifluoromethane	ND		10		ug/Kg			03/16/18 19:34	1
1,1-Dichloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2-Dichloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/16/18 19:34	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			03/16/18 19:34	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2-Dichloropropane	ND		5.0		ug/Kg			03/16/18 19:34	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			03/16/18 19:34	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			03/16/18 19:34	1
Ethylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/16/18 19:34	1
2-Hexanone	ND		50		ug/Kg			03/16/18 19:34	1
Isopropylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
4-Isopropyltoluene	ND		5.0		ug/Kg			03/16/18 19:34	1
Methylene Chloride	ND		10		ug/Kg			03/16/18 19:34	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			03/16/18 19:34	1
Naphthalene	ND		10		ug/Kg			03/16/18 19:34	1
N-Propylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Styrene	ND		5.0		ug/Kg			03/16/18 19:34	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-240775/4
Matrix: Solid
Analysis Batch: 240775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
Tetrachloroethene	ND		5.0		ug/Kg			03/16/18 19:34	1
Toluene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
Trichloroethene	ND		5.0		ug/Kg			03/16/18 19:34	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			03/16/18 19:34	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			03/16/18 19:34	1
Vinyl acetate	ND		20		ug/Kg			03/16/18 19:34	1
Vinyl chloride	ND		5.0		ug/Kg			03/16/18 19:34	1
Xylenes, Total	ND		5.0		ug/Kg			03/16/18 19:34	1
2,2-Dichloropropane	ND		5.0		ug/Kg			03/16/18 19:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131		03/16/18 19:34	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140		03/16/18 19:34	1
Toluene-d8 (Surr)	99		58 - 140		03/16/18 19:34	1

Lab Sample ID: LCS 720-240775/5
Matrix: Solid
Analysis Batch: 240775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.9		ug/Kg		102	70 - 144
Acetone	250	226		ug/Kg		90	30 - 162
Benzene	50.0	46.5		ug/Kg		93	70 - 130
Dichlorobromomethane	50.0	49.6		ug/Kg		99	70 - 140
Bromobenzene	50.0	49.4		ug/Kg		99	70 - 130
Chlorobromomethane	50.0	49.9		ug/Kg		100	70 - 130
Bromoform	50.0	51.2		ug/Kg		102	59 - 158
Bromomethane	50.0	50.6		ug/Kg		101	59 - 132
2-Butanone (MEK)	250	248		ug/Kg		99	59 - 159
n-Butylbenzene	50.0	50.0		ug/Kg		100	70 - 142
sec-Butylbenzene	50.0	48.5		ug/Kg		97	70 - 136
tert-Butylbenzene	50.0	48.2		ug/Kg		96	70 - 130
Carbon disulfide	50.0	46.9		ug/Kg		94	60 - 140
Carbon tetrachloride	50.0	51.1		ug/Kg		102	70 - 142
Chlorobenzene	50.0	46.8		ug/Kg		94	70 - 130
Chloroethane	50.0	49.7		ug/Kg		99	65 - 130
Chloroform	50.0	49.0		ug/Kg		98	77 - 127
Chloromethane	50.0	52.6		ug/Kg		105	55 - 140
2-Chlorotoluene	50.0	48.0		ug/Kg		96	70 - 138

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240775/5

Matrix: Solid

Analysis Batch: 240775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	49.3		ug/Kg		99	70 - 136
Chlorodibromomethane	50.0	52.9		ug/Kg		106	70 - 146
1,2-Dichlorobenzene	50.0	47.9		ug/Kg		96	70 - 130
1,3-Dichlorobenzene	50.0	48.7		ug/Kg		97	70 - 131
1,4-Dichlorobenzene	50.0	48.6		ug/Kg		97	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/Kg		98	70 - 140
1,1-Dichloropropene	50.0	47.4		ug/Kg		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.3		ug/Kg		93	60 - 145
Ethylene Dibromide	50.0	49.6		ug/Kg		99	70 - 140
Dibromomethane	50.0	51.5		ug/Kg		103	70 - 139
Dichlorodifluoromethane	50.0	57.4		ug/Kg		115	37 - 158
1,1-Dichloroethane	50.0	47.9		ug/Kg		96	70 - 130
1,2-Dichloroethane	50.0	48.9		ug/Kg		98	70 - 130
1,1-Dichloroethene	50.0	44.5		ug/Kg		89	74 - 122
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	70 - 138
trans-1,2-Dichloroethene	50.0	45.9		ug/Kg		92	67 - 130
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	73 - 127
cis-1,3-Dichloropropene	50.0	48.6		ug/Kg		97	68 - 147
trans-1,3-Dichloropropene	50.0	49.1		ug/Kg		98	70 - 155
Ethylbenzene	50.0	46.7		ug/Kg		93	80 - 137
Hexachlorobutadiene	50.0	46.1		ug/Kg		92	70 - 132
2-Hexanone	250	256		ug/Kg		103	62 - 158
Isopropylbenzene	50.0	47.5		ug/Kg		95	70 - 130
4-Isopropyltoluene	50.0	48.8		ug/Kg		98	70 - 133
Methylene Chloride	50.0	42.0		ug/Kg		84	70 - 134
4-Methyl-2-pentanone (MIBK)	250	253		ug/Kg		101	60 - 160
Naphthalene	50.0	46.2		ug/Kg		92	60 - 147
N-Propylbenzene	50.0	49.1		ug/Kg		98	70 - 130
Styrene	50.0	47.5		ug/Kg		95	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.2		ug/Kg		100	70 - 130
1,1,1,2,2-Tetrachloroethane	50.0	47.0		ug/Kg		94	70 - 146
Tetrachloroethene	50.0	47.5		ug/Kg		95	70 - 132
Toluene	50.0	45.7		ug/Kg		91	75 - 120
1,2,3-Trichlorobenzene	50.0	47.4		ug/Kg		95	60 - 140
1,2,4-Trichlorobenzene	50.0	48.4		ug/Kg		97	60 - 140
1,1,1-Trichloroethane	50.0	48.9		ug/Kg		98	70 - 130
1,1,2-Trichloroethane	50.0	47.1		ug/Kg		94	70 - 130
Trichloroethene	50.0	48.9		ug/Kg		98	70 - 133
Trichlorofluoromethane	50.0	50.5		ug/Kg		101	60 - 140
1,2,3-Trichloropropane	50.0	49.1		ug/Kg		98	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.0		ug/Kg		94	60 - 140
1,2,4-Trimethylbenzene	50.0	48.9		ug/Kg		98	70 - 130
1,3,5-Trimethylbenzene	50.0	49.3		ug/Kg		99	70 - 131
Vinyl acetate	50.0	58.0		ug/Kg		116	38 - 176
Vinyl chloride	50.0	49.4		ug/Kg		99	58 - 125
m-Xylene & p-Xylene	50.0	46.6		ug/Kg		93	70 - 146
o-Xylene	50.0	47.5		ug/Kg		95	70 - 140

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-240775/5
Matrix: Solid
Analysis Batch: 240775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	53.5		ug/Kg		107	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-240775/6
Matrix: Solid
Analysis Batch: 240775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	51.3		ug/Kg		103	70 - 144	1	20
Acetone	250	243		ug/Kg		97	30 - 162	7	30
Benzene	50.0	45.5		ug/Kg		91	70 - 130	2	20
Dichlorobromomethane	50.0	50.4		ug/Kg		101	70 - 140	2	20
Bromobenzene	50.0	48.7		ug/Kg		97	70 - 130	1	20
Chlorobromomethane	50.0	49.1		ug/Kg		98	70 - 130	2	20
Bromoform	50.0	53.2		ug/Kg		106	59 - 158	4	20
Bromomethane	50.0	49.9		ug/Kg		100	59 - 132	1	20
2-Butanone (MEK)	250	264		ug/Kg		106	59 - 159	7	20
n-Butylbenzene	50.0	49.6		ug/Kg		99	70 - 142	1	20
sec-Butylbenzene	50.0	48.2		ug/Kg		96	70 - 136	1	20
tert-Butylbenzene	50.0	48.0		ug/Kg		96	70 - 130	0	20
Carbon disulfide	50.0	46.0		ug/Kg		92	60 - 140	2	20
Carbon tetrachloride	50.0	49.7		ug/Kg		99	70 - 142	3	20
Chlorobenzene	50.0	46.5		ug/Kg		93	70 - 130	1	20
Chloroethane	50.0	48.8		ug/Kg		98	65 - 130	2	20
Chloroform	50.0	48.0		ug/Kg		96	77 - 127	2	20
Chloromethane	50.0	50.7		ug/Kg		101	55 - 140	4	20
2-Chlorotoluene	50.0	47.2		ug/Kg		94	70 - 138	2	20
4-Chlorotoluene	50.0	48.4		ug/Kg		97	70 - 136	2	20
Chlorodibromomethane	50.0	53.5		ug/Kg		107	70 - 146	1	20
1,2-Dichlorobenzene	50.0	47.8		ug/Kg		96	70 - 130	0	20
1,3-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 131	0	20
1,4-Dichlorobenzene	50.0	48.4		ug/Kg		97	70 - 130	0	20
1,3-Dichloropropane	50.0	49.1		ug/Kg		98	70 - 140	0	20
1,1-Dichloropropene	50.0	46.6		ug/Kg		93	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/Kg		99	60 - 145	7	20
Ethylene Dibromide	50.0	50.4		ug/Kg		101	70 - 140	2	20
Dibromomethane	50.0	51.3		ug/Kg		103	70 - 139	0	20
Dichlorodifluoromethane	50.0	56.1		ug/Kg		112	37 - 158	2	20
1,1-Dichloroethane	50.0	47.3		ug/Kg		95	70 - 130	1	20
1,2-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130	1	20
1,1-Dichloroethene	50.0	43.2		ug/Kg		86	74 - 122	3	20
cis-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	70 - 138	2	20
trans-1,2-Dichloroethene	50.0	45.1		ug/Kg		90	67 - 130	2	20
1,2-Dichloropropane	50.0	47.9		ug/Kg		96	73 - 127	1	20

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-240775/6
Matrix: Solid
Analysis Batch: 240775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	50.0	48.7		ug/Kg		97	68 - 147	0	20
trans-1,3-Dichloropropene	50.0	49.2		ug/Kg		98	70 - 155	0	20
Ethylbenzene	50.0	46.5		ug/Kg		93	80 - 137	0	20
Hexachlorobutadiene	50.0	46.4		ug/Kg		93	70 - 132	1	20
2-Hexanone	250	269		ug/Kg		108	62 - 158	5	20
Isopropylbenzene	50.0	47.0		ug/Kg		94	70 - 130	1	20
4-Isopropyltoluene	50.0	49.1		ug/Kg		98	70 - 133	1	20
Methylene Chloride	50.0	41.5		ug/Kg		83	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	266		ug/Kg		106	60 - 160	5	20
Naphthalene	50.0	48.1		ug/Kg		96	60 - 147	4	20
N-Propylbenzene	50.0	48.3		ug/Kg		97	70 - 130	2	20
Styrene	50.0	47.2		ug/Kg		94	70 - 130	1	20
1,1,1,2-Tetrachloroethane	50.0	49.9		ug/Kg		100	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	48.4		ug/Kg		97	70 - 146	3	20
Tetrachloroethene	50.0	47.3		ug/Kg		95	70 - 132	0	20
Toluene	50.0	45.7		ug/Kg		91	75 - 120	0	20
1,2,3-Trichlorobenzene	50.0	47.8		ug/Kg		96	60 - 140	1	20
1,2,4-Trichlorobenzene	50.0	48.1		ug/Kg		96	60 - 140	1	20
1,1,1-Trichloroethane	50.0	47.4		ug/Kg		95	70 - 130	3	20
1,1,2-Trichloroethane	50.0	47.6		ug/Kg		95	70 - 130	1	20
Trichloroethene	50.0	49.3		ug/Kg		99	70 - 133	1	20
Trichlorofluoromethane	50.0	49.3		ug/Kg		99	60 - 140	2	20
1,2,3-Trichloropropane	50.0	50.4		ug/Kg		101	70 - 146	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.3		ug/Kg		91	60 - 140	4	20
1,2,4-Trimethylbenzene	50.0	48.5		ug/Kg		97	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	48.1		ug/Kg		96	70 - 131	2	20
Vinyl acetate	50.0	57.4		ug/Kg		115	38 - 176	1	20
Vinyl chloride	50.0	48.6		ug/Kg		97	58 - 125	2	20
m-Xylene & p-Xylene	50.0	46.6		ug/Kg		93	70 - 146	0	20
o-Xylene	50.0	47.4		ug/Kg		95	70 - 140	0	20
2,2-Dichloropropane	50.0	51.9		ug/Kg		104	70 - 162	3	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-240847/1-A
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240847

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Arsenic	ND		1.0		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Barium	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-240847/1-A
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.10		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Cadmium	ND		0.13		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Chromium	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Cobalt	ND		0.20		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Copper	ND		1.5		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Lead	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Molybdenum	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Nickel	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Selenium	ND		1.0		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Silver	ND		0.25		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Thallium	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Vanadium	ND		0.50		mg/Kg		03/20/18 10:30	03/20/18 14:57	1
Zinc	ND		1.5		mg/Kg		03/20/18 10:30	03/20/18 14:57	1

Lab Sample ID: LCS 720-240847/2-A
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	45.4		mg/Kg		91	80 - 120
Arsenic	50.0	46.9		mg/Kg		94	80 - 120
Barium	50.0	49.1		mg/Kg		98	80 - 120
Beryllium	50.0	48.9		mg/Kg		98	80 - 120
Cadmium	50.0	47.6		mg/Kg		95	80 - 120
Chromium	50.0	48.9		mg/Kg		98	80 - 120
Cobalt	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	49.4		mg/Kg		99	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Molybdenum	50.0	48.8		mg/Kg		98	80 - 120
Nickel	50.0	48.9		mg/Kg		98	80 - 120
Selenium	50.0	46.0		mg/Kg		92	80 - 120
Silver	25.0	23.7		mg/Kg		95	80 - 120
Thallium	50.0	48.3		mg/Kg		97	80 - 120
Vanadium	50.0	49.1		mg/Kg		98	80 - 120
Zinc	50.0	46.9		mg/Kg		94	80 - 120

Lab Sample ID: 720-85358-1 MS
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: B15 S/GW-S2-A
Prep Type: Total/NA
Prep Batch: 240847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.8	F1	41.7	15.4	F1	mg/Kg		30	75 - 125
Arsenic	5.9		41.7	41.4		mg/Kg		85	75 - 125
Barium	150	F1	41.7	200	F1	mg/Kg		126	75 - 125
Beryllium	0.47		41.7	38.5		mg/Kg		91	75 - 125
Cadmium	ND		41.7	37.4		mg/Kg		89	75 - 125
Chromium	140	F1 F2	41.7	257	F1	mg/Kg		282	75 - 125
Cobalt	11		41.7	48.6		mg/Kg		91	75 - 125
Copper	50	F1 F2	41.7	109	F1	mg/Kg		141	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-85358-1 MS
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: B15 S/GW-S2-A
Prep Type: Total/NA
Prep Batch: 240847
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	34	F1	41.7	57.1	F1	mg/Kg		56	75 - 125
Molybdenum	16	F1 F2	41.7	64.3		mg/Kg		117	75 - 125
Nickel	51		41.7	96.1		mg/Kg		108	75 - 125
Selenium	ND		41.7	35.9		mg/Kg		86	75 - 125
Silver	ND		20.8	18.3		mg/Kg		88	75 - 125
Thallium	ND		41.7	37.0		mg/Kg		86	75 - 125
Vanadium	41		41.7	73.9		mg/Kg		78	75 - 125
Zinc	80	F1	41.7	99.7	F1	mg/Kg		47	75 - 125

Lab Sample ID: 720-85358-1 MSD
Matrix: Solid
Analysis Batch: 240955

Client Sample ID: B15 S/GW-S2-A
Prep Type: Total/NA
Prep Batch: 240847
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	2.8	F1	41.7	12.9	F1	mg/Kg		24	75 - 125	18	20
Arsenic	5.9		41.7	45.9		mg/Kg		96	75 - 125	11	20
Barium	150	F1	41.7	193		mg/Kg		110	75 - 125	3	20
Beryllium	0.47		41.7	42.9		mg/Kg		102	75 - 125	11	20
Cadmium	ND		41.7	41.0		mg/Kg		98	75 - 125	9	20
Chromium	140	F1 F2	41.7	86.3	F1 F2	mg/Kg		-129	75 - 125	100	20
Cobalt	11		41.7	52.7		mg/Kg		101	75 - 125	8	20
Copper	50	F1 F2	41.7	68.7	F1 F2	mg/Kg		44	75 - 125	45	20
Lead	34	F1	41.7	64.2	F1	mg/Kg		73	75 - 125	12	20
Molybdenum	16	F1 F2	41.7	38.4	F1 F2	mg/Kg		55	75 - 125	50	20
Nickel	51		41.7	83.4		mg/Kg		78	75 - 125	14	20
Selenium	ND		41.7	38.7		mg/Kg		93	75 - 125	7	20
Silver	ND		20.8	19.1		mg/Kg		92	75 - 125	4	20
Thallium	ND		41.7	40.5		mg/Kg		94	75 - 125	9	20
Vanadium	41		41.7	84.3		mg/Kg		103	75 - 125	13	20
Zinc	80	F1	41.7	113		mg/Kg		78	75 - 125	12	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-240911/1-A
Matrix: Solid
Analysis Batch: 240962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		03/20/18 08:27	03/20/18 15:13	1

Lab Sample ID: LCS 720-240911/2-A
Matrix: Solid
Analysis Batch: 240962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240911
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.890		mg/Kg		107	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: EnviroAssets Inc
 Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 720-85358-1 MS
Matrix: Solid
Analysis Batch: 240962

Client Sample ID: B15 S/GW-S2-A
Prep Type: Total/NA
Prep Batch: 240911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.039		0.746	0.905		mg/Kg		116	75 - 125

Lab Sample ID: 720-85358-1 MSD
Matrix: Solid
Analysis Batch: 240962

Client Sample ID: B15 S/GW-S2-A
Prep Type: Total/NA
Prep Batch: 240911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.039		0.735	0.930		mg/Kg		121	75 - 125	3	20



QC Association Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

GC/MS VOA

Prep Batch: 240617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	5035	
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	5035	

Analysis Batch: 240775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	8260B	240617
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	8260B	240617
MB 720-240775/4	Method Blank	Total/NA	Solid	8260B	
LCS 720-240775/5	Lab Control Sample	Total/NA	Solid	8260B	
LCS 720-240775/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Metals

Prep Batch: 240847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	3050B	
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	3050B	
MB 720-240847/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-240847/2-A	Lab Control Sample	Total/NA	Solid	3050B	
720-85358-1 MS	B15 S/GW-S2-A	Total/NA	Solid	3050B	
720-85358-1 MSD	B15 S/GW-S2-A	Total/NA	Solid	3050B	

Prep Batch: 240911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	7471A	
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	7471A	
MB 720-240911/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-240911/2-A	Lab Control Sample	Total/NA	Solid	7471A	
720-85358-1 MS	B15 S/GW-S2-A	Total/NA	Solid	7471A	
720-85358-1 MSD	B15 S/GW-S2-A	Total/NA	Solid	7471A	

Analysis Batch: 240955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	6010B	240847
MB 720-240847/1-A	Method Blank	Total/NA	Solid	6010B	240847
LCS 720-240847/2-A	Lab Control Sample	Total/NA	Solid	6010B	240847
720-85358-1 MS	B15 S/GW-S2-A	Total/NA	Solid	6010B	240847
720-85358-1 MSD	B15 S/GW-S2-A	Total/NA	Solid	6010B	240847

Analysis Batch: 240962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	Total/NA	Solid	7471A	240911
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	7471A	240911
MB 720-240911/1-A	Method Blank	Total/NA	Solid	7471A	240911
LCS 720-240911/2-A	Lab Control Sample	Total/NA	Solid	7471A	240911
720-85358-1 MS	B15 S/GW-S2-A	Total/NA	Solid	7471A	240911
720-85358-1 MSD	B15 S/GW-S2-A	Total/NA	Solid	7471A	240911

TestAmerica Pleasanton

QC Association Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Metals (Continued)

Analysis Batch: 240987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-3	B16 S/GW-S2-A	Total/NA	Solid	6010B	240847

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Lab Chronicle

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Client Sample ID: B15 S/GW-S2-A

Date Collected: 03/15/18 10:50

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240617	03/16/18 16:30	MJK	TAL PLS
Total/NA	Analysis	8260B		1	240775	03/16/18 22:06	A1C	TAL PLS
Total/NA	Prep	3050B			240847	03/20/18 10:30	LRC	TAL PLS
Total/NA	Analysis	6010B		4	240955	03/20/18 15:24	OBI	TAL PLS
Total/NA	Prep	7471A			240911	03/20/18 08:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	240962	03/20/18 15:30	OBI	TAL PLS

Client Sample ID: B16 S/GW-S2-A

Date Collected: 03/15/18 13:07

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			240617	03/16/18 16:30	MJK	TAL PLS
Total/NA	Analysis	8260B		1	240775	03/16/18 22:37	A1C	TAL PLS
Total/NA	Prep	3050B			240847	03/20/18 10:30	LRC	TAL PLS
Total/NA	Analysis	6010B		4	240987	03/20/18 18:16	OBI	TAL PLS
Total/NA	Prep	7471A			240911	03/20/18 08:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	240962	03/20/18 15:32	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Laboratory: TestAmerica Pleasanton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20
USDA	Federal		P330-17-00380	12-11-20

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Method Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-85358-1	B15 S/GW-S2-A	Solid	03/15/18 10:50	03/16/18 14:40
720-85358-3	B16 S/GW-S2-A	Solid	03/15/18 13:07	03/16/18 14:40

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720-853358
 TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 191923
 Date: 3/16/18 Page 1 of 1

3/21/2018

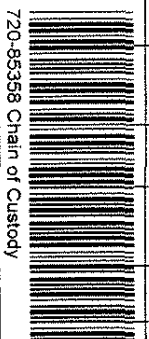
Report To

Attn: Mike Harrison
 Company: Enviro Assets
 Address: 6037 La Salle Ave, Oakland CA
 Email: mharrison@enviroassets.com
 Bill To: Mike Harrison
 Sampled By: Georgia Mead
 Attn: Phone:

Sample ID	Date	Time	Mat	Preserv
B15 3/GW-S2-A	3/16/18	1250	S	
B15 3/GW-S3-A	3/16/18	1112	S	
B16 S/GW-S2-A	3/16/18	1307	S	
B16 S/GW-S8-A	3/16/18	1313	S	
B15 S/GW W	3/16/18	0935	W	
Trip/Blank	3/16/18		W	

Project Name / #	# of Containers	Head Space	Temp	Volatile Organics GC/MS (VOCs)	HVOCs by	EPA 8260B	TEPH EPA 8015B	SemiVolatile Organics GC/MS	PNA/PAH's by	Oil and Grease	Pesticides	CAM17 Metals	Metals	Metals (ICP-MS)	Hex Chrom by	pH	Spec. Cond.	Anions	Perchlorate by	COD	
B15 3/GW-S2-A	X			<input type="checkbox"/> EPA 8260B	<input type="checkbox"/> EPA 8260B	<input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> 5 Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	<input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	<input type="checkbox"/> EPA 8270C	<input type="checkbox"/> 8270C <input type="checkbox"/> 8270C SIM	<input type="checkbox"/> Petroleum (EPA 1664/9071) <input type="checkbox"/> Total	<input type="checkbox"/> EPA 8081 <input type="checkbox"/> EPA 8082	<input type="checkbox"/> EPA 6010/7470/7471	<input type="checkbox"/> 6010B <input type="checkbox"/> 200.7 <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other	<input type="checkbox"/> 6020 <input type="checkbox"/> 200.8 (ICP-MS)	<input type="checkbox"/> EPA 7196 <input type="checkbox"/> or EPA 7199	<input type="checkbox"/> 9040 <input type="checkbox"/> SM4500	<input type="checkbox"/> STLC <input type="checkbox"/> DI <input type="checkbox"/> TCLP	<input type="checkbox"/> Cl <input type="checkbox"/> SO4 <input type="checkbox"/> NO3 <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO2 <input type="checkbox"/> PO4	<input type="checkbox"/> EPA 314 D	<input type="checkbox"/> EPA 410 4 <input type="checkbox"/> SM5220D <input type="checkbox"/> Turbidity	
B15 3/GW-S3-A	X																				
B16 S/GW-S2-A	X																				
B16 S/GW-S8-A	X																				
B15 S/GW W	X																				
Trip/Blank	X																				

PURST



720-853358 Chain of Custody

Project Info		Sample Receipt	
Project Name / #	Red Hanger Cleaners EA270	# of Containers:	
PO#:		Temp:	56°C
Credit Card		If yes, please call with payment information ASAP	
Y/N:			
T 10 A Day	5 Day	4 Day	3 Day
T 1 Day	2 Day	1 Day	Other
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> EDF	Special Instructions / Comments:	<input type="checkbox"/> Global ID	
See Terms and Conditions on reverse			

Signature	Time	Signature	Time	Signature	Time
1) Relinquished by: <i>George Mead</i>	1445	2) Relinquished by:		3) Relinquished by:	
Printed Name: <i>George Mead</i>	Date: 3/16/18	Printed Name:	Date:	Printed Name:	Date:
Company: <i>Enviro Assets</i>		Company:		Company:	
1) Received by: <i>Dan's Arroyo</i>	1440	2) Received by:		3) Received by:	
Signature: <i>[Signature]</i>	Time: 1440	Signature:	Time:	Signature:	Time:
Printed Name: <i>Dan's Arroyo</i>	Date: 3/16/18	Printed Name:	Date:	Printed Name:	Date:
Company: <i>QA 720</i>		Company:		Company:	

3 day RUSH

Login Sample Receipt Checklist

Client: EnviroAssets Inc

Job Number: 720-85358-2

Login Number: 85358
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-85358-3
Client Project/Site: Red Hanger Cleaners

For:
EnviroAssets Inc
6037 La Salle Ave
Oakland, California 94611-3227

Attn: Michael Harrison



Authorized for release by:
3/29/2018 5:13:19 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

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results through
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Have a Question?



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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Job ID: 720-85358-3

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-85358-3

Comments

No additional comments.

Receipt

The samples were received on 3/16/2018 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Client Sample ID: B15 S/GW-S2-A

Lab Sample ID: 720-85358-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.22		0.10		mg/L	1		6010B	STLC Citrate

Client Sample ID: B16 S/GW-S2-A

Lab Sample ID: 720-85358-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.29		0.050		mg/L	1		6010B	TCLP
Lead	160		0.050		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Client Sample ID: B15 S/GW-S2-A

Lab Sample ID: 720-85358-1

Date Collected: 03/15/18 10:50

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		03/24/18 12:01	03/26/18 15:42	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.22		0.10		mg/L		03/26/18 14:52	03/26/18 17:52	1

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Client Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Client Sample ID: B16 S/GW-S2-A

Lab Sample ID: 720-85358-3

Date Collected: 03/15/18 13:07

Matrix: Solid

Date Received: 03/16/18 14:40

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.29		0.050		mg/L		03/24/18 12:01	03/26/18 15:46	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.050		mg/L		03/26/18 14:52	03/26/18 17:56	1

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QC Sample Results

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-241222/1-A
Matrix: Solid
Analysis Batch: 241285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		03/24/18 12:01	03/26/18 14:25	1
Lead	ND		0.0050		mg/L		03/24/18 12:01	03/26/18 14:25	1

Lab Sample ID: LCS 720-241222/2-A
Matrix: Solid
Analysis Batch: 241285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	0.936		mg/L		94	80 - 120
Lead	1.00	0.900		mg/L		90	80 - 120

Lab Sample ID: MB 720-241276/1-A
Matrix: Solid
Analysis Batch: 241291

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 241276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		03/26/18 14:49	03/26/18 16:19	1
Lead	ND		0.0050		mg/L		03/26/18 14:49	03/26/18 16:19	1

Lab Sample ID: LCS 720-241276/2-A
Matrix: Solid
Analysis Batch: 241291

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 241276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	0.928		mg/L		93	80 - 120
Lead	1.00	0.938		mg/L		94	80 - 120

Lab Sample ID: LB 720-241173/1-B
Matrix: Solid
Analysis Batch: 241285

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 241222

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		03/24/18 12:01	03/26/18 14:34	1
Lead	ND		0.050		mg/L		03/24/18 12:01	03/26/18 14:34	1

Lab Sample ID: LB4 720-241169/1-B
Matrix: Solid
Analysis Batch: 241291

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 241276

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		03/26/18 14:49	03/26/18 16:28	1
Lead	ND		0.050		mg/L		03/26/18 14:49	03/26/18 16:28	1

TestAmerica Pleasanton

QC Association Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Metals

Leach Batch: 241169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	STLC Citrate	Solid	CA WET Citrate	
720-85358-3	B16 S/GW-S2-A	STLC Citrate	Solid	CA WET Citrate	
LB4 720-241169/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 241173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	TCLP	Solid	1311	
720-85358-3	B16 S/GW-S2-A	TCLP	Solid	1311	
LB 720-241173/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 241222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	TCLP	Solid	3010A	241173
720-85358-3	B16 S/GW-S2-A	TCLP	Solid	3010A	241173
LB 720-241173/1-B	Method Blank	TCLP	Solid	3010A	241173
MB 720-241222/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-241222/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 241276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	STLC Citrate	Solid	3005A	241169
720-85358-3	B16 S/GW-S2-A	STLC Citrate	Solid	3005A	241169
LB4 720-241169/1-B	Method Blank	STLC Citrate	Solid	3005A	241169
MB 720-241276/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 720-241276/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Analysis Batch: 241285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	TCLP	Solid	6010B	241222
720-85358-3	B16 S/GW-S2-A	TCLP	Solid	6010B	241222
LB 720-241173/1-B	Method Blank	TCLP	Solid	6010B	241222
MB 720-241222/1-A	Method Blank	Total/NA	Solid	6010B	241222
LCS 720-241222/2-A	Lab Control Sample	Total/NA	Solid	6010B	241222

Analysis Batch: 241291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-85358-1	B15 S/GW-S2-A	STLC Citrate	Solid	6010B	241276
720-85358-3	B16 S/GW-S2-A	STLC Citrate	Solid	6010B	241276
LB4 720-241169/1-B	Method Blank	STLC Citrate	Solid	6010B	241276
MB 720-241276/1-A	Method Blank	Total Recoverable	Solid	6010B	241276
LCS 720-241276/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	241276

Lab Chronicle

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Client Sample ID: B15 S/GW-S2-A

Date Collected: 03/15/18 10:50

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			241169	03/24/18 10:32	AAP	TAL PLS
STLC Citrate	Prep	3005A			241276	03/26/18 14:52	MAG	TAL PLS
STLC Citrate	Analysis	6010B		1	241291	03/26/18 17:52	OBI	TAL PLS
TCLP	Leach	1311			241173	03/23/18 17:10	AAP	TAL PLS
TCLP	Prep	3010A			241222	03/24/18 12:01	AAP	TAL PLS
TCLP	Analysis	6010B		1	241285	03/26/18 15:42	BKR	TAL PLS

Client Sample ID: B16 S/GW-S2-A

Date Collected: 03/15/18 13:07

Date Received: 03/16/18 14:40

Lab Sample ID: 720-85358-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			241169	03/24/18 10:32	AAP	TAL PLS
STLC Citrate	Prep	3005A			241276	03/26/18 14:52	MAG	TAL PLS
STLC Citrate	Analysis	6010B		1	241291	03/26/18 17:56	OBI	TAL PLS
TCLP	Leach	1311			241173	03/23/18 17:10	AAP	TAL PLS
TCLP	Prep	3010A			241222	03/24/18 12:01	AAP	TAL PLS
TCLP	Analysis	6010B		1	241285	03/26/18 15:46	BKR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Laboratory: TestAmerica Pleasanton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-20
USDA	Federal		P330-17-00380	12-11-20

- 1
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- 3
- 4
- 5
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- 14

Method Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: EnviroAssets Inc
Project/Site: Red Hanger Cleaners

TestAmerica Job ID: 720-85358-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-85358-1	B15 S/GW-S2-A	Solid	03/15/18 10:50	03/16/18 14:40
720-85358-3	B16 S/GW-S2-A	Solid	03/15/18 13:07	03/16/18 14:40

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- 14

Smith, Micah

From: Michael Harrison <mharrison@enviroassets.com>
Sent: Thursday, March 22, 2018 10:02 AM
To: Smith, Micah
Subject: RE: TestAmerica EDD and report files from 720-85358-2 Red Hanger Cleaners

-External Email-

Dear Micah:

Thank you for the expedited results. Please perform the following additional leaching analyses:

- Client sample B15 S/GW-S2-A (Lab Sample ID: 720-85358-1): TCLP and STLC for Chromium
- Client sample B16 S/GW-S2-A (Lab Sample ID: 720-85358-3): TCLP and STLC for Lead

Please let me know an ETA for these analyses.

Sincerely,

Michael Harrison, P.E., QSD/QSP, LEED AP
Principal
EnviroAssets, Inc.
(888) 748-8820
Web: <http://www.enviroassets.com/>

From: Smith, Micah <micah.smith@testamericainc.com>
Sent: Wednesday, March 21, 2018 2:36 PM
To: Michael Harrison <mharrison@enviroassets.com>
Subject: TestAmerica EDD and report files from 720-85358-2 Red Hanger Cleaners

Hello,

Attached please find the EDD and report files for job 720-85358-2; Red Hanger Cleaners

Please feel free to contact me if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: [Project Feedback](#)

MICAH SMITH
Project Manager

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 916.374.4302
www.testamericainc.com

Reference: [272463]
Attachments: 3

- 1
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- 12
- 13**
- 14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-853358
 TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 191923
 Date: 3/16/18 Page 1 of 1

Report To Mike Harrison
Company: Enviro Assets
Address: 6037 La Salle Ave, Oakland CA
Email: mharrison@enviroassets.com
Bill To: Mike Harrison
Attn: Mike Harrison
Sampled By: George Mead
Phone: _____

Sample ID	Date	Time	Mat	Preserv	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B	HVOCs by <input type="checkbox"/> EPA 8260B	EPA 8260B <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> 5 Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	TEPH EPA 8015B <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other _____	SemiVolatile Organics GC/MS <input type="checkbox"/> EPA 8270C	PNA/PAH's by <input type="checkbox"/> 8270C <input type="checkbox"/> 8270C SIM	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664/9071) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 PCBs <input type="checkbox"/> EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> 6010B <input type="checkbox"/> 200.7 <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other: _____	Metals: <input type="checkbox"/> 6020 <input type="checkbox"/> 200.8 (ICP-MS): _____	<input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> W.E.T (DI) <input type="checkbox"/> TCLP	Hex Chrom by <input type="checkbox"/> EPA 7196 <input type="checkbox"/> or EPA 7199	pH <input type="checkbox"/> 9040 <input type="checkbox"/> SM4500	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> SS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	<input type="checkbox"/> Perchlorate by EPA 314 D	COD <input type="checkbox"/> EPA 410 4 <input type="checkbox"/> SM5220D <input type="checkbox"/> Turbidity			
B15 3/GW-S2-A	3/16/18	1250	S		X																				
B15 3/GW-S3-A	3/16/18	1112	S		X																				
B16 S/GW-S2-A	3/16/18	1307	S		X																				
B16 S/GW-S8-A	3/16/18	1313	S		X																				
B15 S/GW W	3/16/18	0935	W		X																				
Trip/Blank	3/16/18		W		X																				

POST



Project Info: Project Name/ #: Red Hanger Cleaver EA270
Sample Receipt: # of Containers: _____
 Head Space: _____
 Temp: 56°C
 Credit Card Y/N: _____
 If yes, please call with payment information ASAP

1) Relinquished by: Signature: <i>George Mead</i> Printed Name: George Mead Company: Enviro Assets Time: 1445 Date: 3/16/18		2) Received by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____		3) Relinquished by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____	
1) Received by: Signature: <i>[Signature]</i> Printed Name: Dan's Arroyo Company: _____ Time: 1440 Date: 3/16/18		2) Received by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____		3) Received by: Signature: _____ Printed Name: _____ Company: _____ Time: _____ Date: _____	

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments: Global ID _____
 See Terms and Conditions on reverse

3 day RUSH

Login Sample Receipt Checklist

Client: EnviroAssets Inc

Job Number: 720-85358-3

Login Number: 85358
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

