

RECEIVED

By Alameda County Environmental Health 3:35 pm, Aug 16, 2016

August 5, 2016

Quik Stop Markets, Inc.
4567 Enterprise Street
Fremont, California 94538-7605

Attn: Mr. Roger Batra

RE: Soil and Groundwater Investigation Report
Quik Stop Market No. 51
3130 35th Avenue, Oakland, California 94619
Fuel Leak Case No. RO0003209; (Global ID No. T10000008568)
(CCI Project No. 12216-1)

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge."

Quik Stop Markets, Inc.



Mr. Roger Batra

Date August 8, 2016



August 5, 2016

Alameda County Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Attention: Mr. Keith Nowell

RE: Soil and Groundwater Investigation Report
Quik Stop Market No. 51
3130 35th Avenue, Oakland, California 94619
Fuel Leak Case No. RO0003209; (Global ID No. T10000008568)
(CCI Project No. 12216-1)

Dear Mr. Nowell:

Compliance & Closure, Inc. (CCI) is pleased to present this Soil and Groundwater Investigation Report for the Quik Stop Market site located at 3130 35th Avenue, Oakland, California. The soil and groundwater investigation was conducted in response to Alameda County Environmental Health (ACEH)'s request for a work plan in its letter dated March 3, 2016. CCI's Work Plan, dated April 20, 2016, was approved by the ACEH in a letter dated May 9, 2016. Copies of this report have been uploaded to the State's GeoTracker data base and ACEH ftp site.

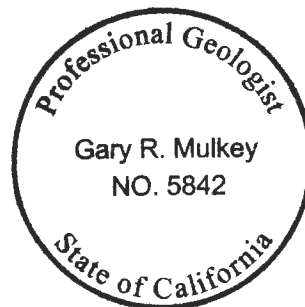
CCI appreciates your comments and if you have any questions, please contact our office at 925-648-2008 or e-mail gary@cci-envr.com.

Sincerely,
Compliance & Closure, Inc.

A handwritten signature in blue ink that reads "Gary R. Mulkey".

Gary R. Mulkey, P.G. 5842

Cc: Mr. Roger Batra, Quik Stop Markets



Soil and Groundwater Investigation Report

For

Quik Stop Market No. 51 3130 35th Avenue, Oakland, California

Introduction

Compliance & Closure, Inc. (CCI) has prepared this soil and groundwater investigation report on behalf of Quik Stop Markets, Inc., operator of the convenience store located at 3130 35th Avenue, Oakland, Alameda, California (Figure 1). The purpose of the investigation was to determine whether a fuel leak occurred at the site which may be contributing to petroleum hydrocarbon contamination detected in a down-gradient monitoring well, MW-5, (associated with ACEH case # RO0000271), located on 35th Avenue, near the Quik Stop Market. In addition, there is another groundwater monitoring well, also designated MW-5, (associated with ACEH case # RO000014), located on Mangels Avenue on the apparent up-gradient side of the Quik Stop site. This well is also contaminated with petroleum hydrocarbons.

Site Setting

The site is currently an operating Quik Stop convenience store located on the southwest corner of 35th Avenue and Mangels Avenue in the City of Oakland, Alameda County, California. Adjacent to the property on the northeast side of Mangels Avenue are residences; across 35th Avenue to the northwest is a liquor store and additional residential properties. Directly north of the site, at the corner of Suter Street and 35th Avenue, is an existing Energy Gas and Mart. Across 35th Avenue, to the west and southwest of the site, are two vacant lots. One of the lots is located at 3055 35th Avenue and was the site of a former Exxon gasoline service station. The other vacant lot, located at 3101 35th Avenue, was occupied by a former Texaco gasoline station.

Background Information

There are currently two, 10,000-gallon gasoline storage tanks at the site. In June 1998, the fuel tanks were removed and replaced by new fuel tanks. During the removal of the fuel tanks, visible staining of the soil was noted. In addition, soil samples collected from the tank excavation were reported to contain 1,100 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg), 5.2 mg/kg benzene, and 13 mg/kg methyl tertiary butyl ether (MTBE). A monitoring well (MW-5), located down-gradient of the Quik Stop site, and associated with a fuel investigation at 3055 35th Avenue (ACEH case # RO0000271) was reported to have detectable petroleum hydrocarbons in a sample collected on July 15, 2015.

That sample was reported to contain 8,800 micrograms per liter (ug/L) TPHg, 2,200 ug/L benzene, 850 ug/L MTBE and 6,700 ug/L tertiary butyl alcohol (TBA). The contamination detected in well MW-5 may or may not be associated with a release from the Quik Stop site. There is a second groundwater monitoring well, also designated MW-5, (associated with ACEH case # RO000014), located on Mangels Avenue, up-gradient of the Quik Stop site. The most recent sample collected (8/27/2015) from that well was reported to contain 7,370 micrograms per liter (ug/L) TPHg, 803 ug/L benzene, 8.63 ug/L MTBE and 126 ug/L tertiary butyl alcohol (TBA). Based on this information, ACEH requested a work plan from Quik Stop to investigate the site for a potential fuel release.

Scope of Work

In response to the ACEH directive, CCI proposed to use a GeoProbe shallow soil sampling rig to collect soil and grab water samples from six locations at the subject site (Figure 2). The following activities were conducted prior to and during the investigation:

- 1) Notified Underground Service Alert (USA) of all boring locations;
- 2) Retained a private line location firm to “clear” the boring locations;
- 3) Used a GeoProbe and auger drill rig to log subsurface lithology and collected soil and grab water samples from six locations at the subject site;
- 4) Analyzed 31 soil and 6 water samples for TPHg, BTEX and fuel oxygenates and naphthalene using EPA Test Method 8260B;
- 5) Presented the results of the investigation in a report, and uploaded the report to the ACEH ftp site and state geotracker data base.

Pre-Field Work

Prior to the start of field work, CCI obtained boring permits from the Alameda County Public Works Agency (Permit No. W2016-0392, Appendix A). Underground Service Alert (USA) was also notified of the drilling activity (USA # W616700230). CCI retained Cal West Concrete Cutting Inc. to core two, 5-inch diameter holes in the concrete slab prior to drilling.

Field Work

The field work began on June 27, 2016 and was completed on July 12, 2016. CCI retained Cascade Drilling (Cascade) to perform the work. The original work plan called for using a GeoProbe drilling rig to collect soil and grab water samples from the site. The 6 boring locations

were located across the site (Figure 2). Borings B-1 and B-5, located on the south side of the site, were drilled to depths of approximately 22 feet; however, the GeoProbe 6600 DT rig was unable to drill below that depth due to very solid soil conditions. CCI rescheduled the remaining borings for July 5, 2016 using a large CME 75 drilling rig. Due to the height of the rig's drilling tower and nearby power lines along 35th Avenue, only two additional borings (B-4 and B-6, located in the central and northeast side of the site) could be drilled on that date. Those two borings were drilled to depths of 40 and 30 feet. CCI rescheduled the drilling of the two remaining borings for July 11 and 12, 2016 using a 8040 DT GeoProbe drilling rig. At that time, borings B-2 and B-3 were drilled to depths of 30 and 38 feet. Borings B-1 and B-5 were also re-drilled to 35 feet in order to obtain grab water samples.

Soil samples collected with the GeoProbe rig were generally collected at 5-foot intervals to the depth of the boring. The exceptions were borings B-1 and B-5 in which soil samples were only collected to depths of 15 feet. After retrieval of the sample barrel, a small section of the sample tubing was cut, and the ends of the tubing were sealed with Teflon sheets and plastic caps. The samples were labeled, logged on a chain of custody form and placed into a cooler containing water ice for transport to a state certified laboratory.

Soil samples collected for laboratory analysis using the auger drilling rig were collected in the following manner: upon retrieval, the sampler was disassembled into its component parts; one or more of the stainless steel liners was selected for chemical analysis; the ends of the selected liner(s) was/were sealed with Teflon sheets, capped with plastic caps, labeled, logged on a chain-of-custody form and stored in a chilled chest containing ice for preservation in the field and during transport to the analytical laboratory. Upon completion of the drilling, Cascade then installed 1-inch diameter PVC tubing with 10 feet of machined slots into each boring to collect a grab water sample.

Groundwater Sampling

Groundwater samples were collected from each boring by inserting a 3/8-inch diameter Teflon tubing into the temporary 1-inch diameter well. The Teflon tubing was connected to a peristaltic pump and groundwater was pumped into laboratory supplied sample containers. It was noted that groundwater flowed freely into the temporary wells after a period of time and was found to be slightly cloudy with some very fine silt and sand.

Upon completion of the sampling, the six borings were grouted with Portland cement. A representative from the Alameda County Public Works Agency (Mr. Jose Ambriz) was present during the grouting of the boreholes. Cascade inserted a tremie pipe to the bottom of the boring and poured grout down the pipe into the boring. Some water was displaced from the hole and a wet/dry vacuum was used to collect the water. The excess water was placed in a 55-gallon drum and left at the site.

Subsurface Soil Conditions

The six borings drilled at the Quik Stop site ranged in depths from 30 to 40 feet. In general, the subsurface soil consisted of alternating layers of clay, sandy clay and clayey sand, with occasional rocky lenses encountered in some of the borings. This material was found to be stiff to hard and moist, with occasional rock fragments between ¼ and ½ inch in diameter. Very hard drilling conditions were encountered in borings B-5 and B-6 between 10 and 20 feet where rock fragments were observed. Iron stains were noted on many of the soil samples collected between 15 and 25 feet. Slight to moderate petroleum odor was noted in all six borings between 15 and 20 feet, with occasional petroleum odor noted at 25 feet. PID readings procured during drilling recorded the highest readings at boring locations B-4, at 498 parts per million (ppm) at a depth of 15 feet and 1340 ppm in B-3 at a depth of 20 feet. The petroleum odor dropped significantly at a depth of 25 feet and no petroleum odor was noted at depths below 25 feet in any of the six borings.

Groundwater was not readily noticeable during drilling of the borings. An increase in moisture was noted in some of the borings at about 27 feet but no free water was noted. Water entered 4 of the 6 borings after completion of the borings and the setting of temporary casings to collect grab water samples. Borings B-2 and B-3 were left open overnight with temporary casings installed in order to collect a water sample. Standing water in the two borings was measured the following day at 16.5 to 17.5 feet below the ground surface. Based on observations and soil samples collected during the drilling, groundwater is present at approximately 27 feet. This water zone, which is under hydrostatic pressure, is only approximately 2 to 3 feet thick. In general, clay was encountered at 30 to 40 feet in some of the deeper borings, with no visible water present at those depths. A copy of the boring logs are attached in Appendix B.

Laboratory Analysis

A total of 31 soil and 6 water samples were collected during the investigation. The samples were submitted to SGS Accutest Laboratories (Accutest), a state-certified laboratory located in San Jose, California, for chemical analysis. Accutest employed methods approved by the California Regional Water Quality Control Board (CRWQCB) and the EPA. The samples were analyzed for the presence of TPHg, BTEX, naphthalene and fuel oxygenates using EPA Test Method 8260B.

Laboratory Results

The laboratory reported 26 of the 31 soil samples contained detectable TPHg. The highest concentrations were detected at depths between 15 and 20 feet at all six boring locations. The highest concentration, 1,150,000 micrograms per kilogram (ug/kg), was reported at boring B-4-15. Other samples with high TPHg concentrations were B-5-15, at 1,050,000 ug/kg, B-3-15, at 640,000 ug/kg and B-6-20, at 425,000 ug/kg. Benzene was detected in 11 of the 31 soil samples, and ranged from 0.47 ug/kg in samples B-4-35, to 15,400 ug/kg in sample B-4-15 at a depth of 15 feet.

Detectable concentrations of toluene, ethylbenzene and total xylenes were also reported by the laboratory. Detectable concentrations of MTBE were detected in 19 of the 31 soil sample. TBA was detected in 14 of 31 soil samples and Naphthalene was detected in 4 soil samples, with the highest concentration reported in sample B-3-21, at a concentration of 5,830 ug/kg at a depth of 21 feet. The soil laboratory results are summarized in Table 1. CCI prepared soil concentration cross-section maps A-A' and B-B' for both THPg and Benzene. The maps are found in Figures 3, 4, 5 and 6.

All six grab water samples were reported by the laboratory to contain detectable concentrations of TPHg, BTEX, MTBE and TBA. TPHg concentrations ranged from 2,790 ug/L at B-6-W to 183,000 ug/L at B-5-W. Benzene ranged from 233 ug/L at B-1-W to 1,280 ug/L at B-2-W. Relatively high concentrations of MTBE and TBA were also detected in the six water samples. The groundwater laboratory results are summarized in Table 2. The laboratory reports are attached in Appendix C.

Conclusion

CCI has completed the soil and groundwater investigation at Quik Stop Market No. 51 and the laboratory data collected from the investigation indicates extensive petroleum hydrocarbon contamination in the soil and groundwater throughout the site. A majority of the soil contamination is generally found between 10 and 25 feet, with the highest concentrations between 15 and 20 feet, as depicted on the TPHg soil concentrations cross-sections A-A' and B-B' (Figures 3 and 5). Some shallow soil contamination was detected at borings B-1, B-4 and B-5. Lower concentrations of THPg were detected at 5 feet in these three borings, which are located in the central and west to southwest side of the site (Figure 2).

Groundwater was generally encountered at 27 feet and the water table is under hydrostatic pressure. Static water levels were recorded at depths ranging from 16.5 feet to 23 feet. CCI assumes the groundwater flow direction at the Quik Stop Market is generally toward the west-southwest. This assumption is based on the historical groundwater gradient data from the former Exxon gas station located at 3055 35th Avenue, which is just across 35th Avenue from the Quik Stop site. There are 3 nearby off-site wells that CCI has requested to sample. One is monitoring well MW-5-Exxon, located on the west drive-way entrance to the Quik Stop Market and is associated with the previously mentioned Exxon site (Figure 2). The other two wells are located on Mangels Avenue, near the northeast entrance to the Quik Stop Market and on 35th Avenue, near the intersection with Suter Street. These two wells are related to the former ARCO gas station, located at 3201 35th Avenue. CCI submitted a request to Arcadis (Arco's Consultant) to sample these two wells. Arcadis responded that it will only allow CCI to collect duplicate samples during Arcadis' next sample round, which is scheduled for the third quarter 2016. Existing groundwater data from well MW-5-ARCO, located on Mangels Avenue near the north east entrance to the Quik Stop Market, is contaminated with TPHg and BTEX, MTBE and TBA compounds. Results from this investigation show that the soil and groundwater petroleum

hydrocarbon contamination has been detected throughout the Quik Stop site. There is some shallow contamination found at a depth of 5 feet on the central and western side of the Quik Stop site, near the fuel pumps and tanks, which may be the result of surface spills; however, the concentrations are much lower than the petroleum contaminants found at 15 and 20-foot depths and in the water table. Integrity testing records for the fiberglass tanks installed in 1998 indicate that no releases have occurred from these tanks.

Based on the extensive soil and groundwater contamination discovered, including the apparent up-gradient north-northeast side of the site, groundwater contamination may be entering the Quik Stop site from that direction. Free product has been documented in some of the up-gradient groundwater monitoring wells associated with the former ARCO site. A review of historical groundwater flow directions at the ARCO site, located at 3201 35th Avenue from February 6, 2012 to March 28, 2016 (total of 9 reports) are incorrect, based on the orientation of the north arrow on groundwater elevation contour maps. It appears reports prior to February 6, 2012 have the correct north arrow orientation. Orienting the north arrow to the correct north direction shows the predominate groundwater flow directions to be toward the south-southwest. The only exception is the most recent report from March 28, 2016 which has an east flow direction. The Quik Stop site is located due south of the ARCO site.

CCI is currently working on a site access agreement with Weber, Hayes & Associates (Exxon's consultant) to gain access to sample well MW-5, located on 35th Avenue, just west of the Quik Stop site. CCI will attempt to collect samples from that well as soon as an access agreement is completed. As previously mentioned, CCI also has contacted Arcadis to sample their well MW-5, located on Mangels Avenue. Arcadis has informed CCI that they will allow CCI to collect duplicate samples from that well during a scheduled Arcadis sample event, which will take place sometime during the third quarter 2016. Once the samples results from these two wells are received, CCI will submit the data to the County in a separate letter report.

TABLE 1
Summary of Soil Sample Analysis
Quik Stop No. 51 - 3130 35th Avenue, Oakland, CA

| Sample Number | Date Sampled | Sample ⁽¹⁾ Depth (Feet) | TPHg (ug/kg) | Benzene (ug/kg) | Toluene (ug/kg) | Ethyl Benzene (ug/kg) | Total Xylenes (ug/kg) | MTBE (ug/kg) | TBA (ug/kg) | ETBE (ug/kg) | TAME (ug/kg) | Naphthalene (ug/kg) | Di-Isopropyl ether (ug/kg) |
|---------------|--------------|------------------------------------|-----------------------|----------------------|-----------------|-----------------------|-----------------------|----------------------|---------------------|--------------|--------------|---------------------|----------------------------|
| B-1-5 | 6/27/2016 | 5 | 2130 | <190 | <190 | <190 | <370 | <190 | 6370 | <190 | <190 | <190 | <190 |
| B-1-10 | 6/27/2016 | 10 | 3180 | <190 | <190 | 33.8 ⁽²⁾ | <380 | 102 ⁽²⁾ | 19300 | <190 | <190 | <190 | <190 |
| B-1-15 | 6/27/2016 | 15 | 70200 | <440 | <440 | 321 ⁽²⁾ | <890 | 3800 | 12900 | <440 | <440 | <440 | <440 |
| B-2-5 | 7/11/2016 | 5 | <94 | <4.7 | <4.7 | <4.7 | <9.4 | <4.7 | <38 | <4.7 | <4.7 | <4.7 | <4.7 |
| B-2-10 | 7/11/2016 | 10 | 21400 | <230 | <230 | <230 | <460 | <230 | <1900 | <230 | <230 | <230 | <230 |
| B-2-15 | 7/11/2016 | 15 | 117000 | <2400 | <2400 | <2400 | <4700 | <2400 | <19000 | <2400 | <2400 | <2400 | <2400 |
| B-2-20 | 7/11/2016 | 20 | 195000 | 407 ⁽²⁾ | <2200 | 1640 ⁽²⁾ | <4300 | <2200 | <17000 | <2200 | <2200 | 486 ⁽²⁾ | <2200 |
| B-2-25 | 7/11/2016 | 25 | 426 | 16.6 | <4.9 | <4.9 | <9.7 | <4.9 | 21.1 ⁽²⁾ | <4.9 | <4.9 | <4.9 | <4.9 |
| B-2-30 | 7/11/2016 | 30 | <98 | <4.9 | <4.9 | <4.9 | <9.8 | 1 ⁽²⁾ | <39 | <4.9 | <4.9 | <4.9 | <4.9 |
| B-3-5 | 7/11/2016 | 5 | 2560 ⁽²⁾ | <220 | <220 | <220 | <450 | <220 | 5560 | <220 | <220 | <220 | <220 |
| B-3-10 | 7/11/2016 | 10 | 2220 ⁽²⁾ | <220 | <220 | <220 | <450 | <220 | 2980 | <220 | <220 | <220 | <220 |
| B-3-15 | 7/11/2016 | 15 | 640000 | 307 ⁽²⁾ | <2300 | 3540 | <4600 | 2460 | <18000 | <2300 | <2300 | 4010 | <2300 |
| B-3-20 | 7/11/2016 | 20 | 150000 | <2200 | <2200 | 532 ⁽²⁾ | <4300 | 2580 | 8210 ⁽²⁾ | <2200 | <2200 | <2200 | <2200 |
| B-3-21 | 7/11/2016 | 21 | 386000 | 546 ⁽²⁾ | <2300 | 9110 | 11500 | 8200 | 6490 ⁽²⁾ | <2300 | <2300 | 5830 | <2300 |
| B-3-30 | 7/11/2016 | 30 | 97 | <4.8 | <4.8 | <4.8 | <9.6 | 40.2 | 14.5 ⁽²⁾ | <4.8 | <4.8 | <4.8 | <4.8 |
| B-4-5 | 7/5/2016 | 5 | 4390 ⁽²⁾ | <250 | <250 | <250 | <500 | 2080 | 2790 | <250 | <250 | <250 | <250 |
| B-4-10 | 7/5/2016 | 10 | <490000 | <25000 | <25000 | <25000 | 49000 | <25000 | <200000 | <25000 | <25000 | <25000 | <25000 |
| B-4-15 | 7/5/2016 | 15 | 1150000 | 15400 ⁽²⁾ | <24000 | 20300 ⁽²⁾ | 107000 | <24000 | <190000 | <24000 | <24000 | <24000 | <24000 |
| B-4-20 | 7/5/2016 | 20 | 259000 ⁽²⁾ | 3650 ⁽²⁾ | <23000 | 3290 ⁽²⁾ | <46000 | 19700 ⁽²⁾ | <190000 | <23000 | <23000 | <23000 | <23000 |
| B-4-25 | 7/5/2016 | 25 | 17200 | <240 | <240 | <240 | <480 | 19700 ⁽³⁾ | 21100 | <240 | <240 | <240 | <240 |
| B-4-30 | 7/5/2016 | 30 | <4900 | <240 | <240 | <240 | <490 | 1090 | 816 ⁽²⁾ | <240 | <240 | <240 | <240 |
| B-4-35 | 7/5/2016 | 35 | 73.9 ⁽²⁾ | 0.47 ⁽²⁾ | <4.6 | <4.6 | <9.3 | 47.4 | 20.9 ⁽²⁾ | <4.6 | <4.6 | <4.6 | <4.6 |

TABLE 1 (Cont.)
Summary of Soil Sample Analysis
Quik Stop No. 51 - 3130 35th Avenue, Oakland, CA

| Sample Number | Date Sampled | Sample ⁽¹⁾ Depth (Feet) | TPHg (ug/kg) | Benzene (ug/kg) | Toluene (ug/kg) | Ethyl Benzene (ug/kg) | Total Xylenes (ug/kg) | MTBE (ug/kg) | TBA (ug/kg) | ETBE (ug/kg) | TAME (ug/kg) | Naphthalene (ug/kg) | Di-Isopropyl ether (ug/kg) |
|---------------|--------------|------------------------------------|-----------------------|---------------------|-----------------|-----------------------|-----------------------|---------------------|--------------------|--------------|--------------|---------------------|----------------------------|
| B-5-5 | 6/27/2016 | 5 | 4440 | <180 | <180 | <180 | <360 | 2020 | 616 ⁽²⁾ | <180 | <180 | <180 | <180 |
| B-5-10 | 6/27/2016 | 10 | 67.6 ⁽²⁾ | <5 | <5 | <5 | <10 | 2 ⁽²⁾ | <40 | <5 | <5 | <5 | <5 |
| B-5-15 | 6/27/2016 | 15 | 1050000 | 3530 ⁽²⁾ | <6600 | 21800 | 22300 | 2830 ⁽²⁾ | <53000 | <6600 | <6600 | 4120 ⁽²⁾ | <6600 |
| B-6-5 | 7/5/2016 | 5 | 115 | 0.74 ⁽²⁾ | <4.6 | 1.3 ⁽²⁾ | 3.3 ⁽²⁾ | 0.98 ⁽²⁾ | <37 | <4.6 | <4.6 | <4.6 | <4.6 |
| B-6-10 | 7/5/2016 | 10 | <95 | <4.7 | <4.7 | <4.7 | <9.5 | 1.3 ⁽²⁾ | <38 | <4.7 | <4.7 | <4.7 | <4.7 |
| B-6-15 | 7/5/2016 | 15 | 235 | <5 | <5 | <5 | <10 | 1.0 ⁽²⁾ | <40 | <5 | <5 | <5 | <5 |
| B-6-20 | 7/5/2016 | 20 | 425000 ⁽²⁾ | 2780 ⁽²⁾ | <23000 | 6380 ⁽²⁾ | 6120 ⁽²⁾ | <23000 | <180000 | <23000 | <23000 | <23000 | <23000 |
| B-6-25 | 7/5/2016 | 25 | 16100 | 112 ⁽²⁾ | <230 | <230 | <460 | <230 | <1800 | <230 | <230 | <230 | <230 |
| B-6-30 | 7/5/2016 | 30 | <95 | <4.8 | <4.8 | <4.8 | <9.5 | 8.9 ⁽²⁾ | <38 | <4.8 | <4.8 | <4.8 | <4.8 |

Foot Notes:

- 1 Measured from ground surface
- 2 Indicates an estimated value below the laboratory reporting limit
- 3 Indicates analyte found in associated method blank

TPHg Total petroleum hydrocarbons as gasoline
 MTBE Methyl-tert-butyl ether
 TBA Tert Butyl Alcohol
 ETBE Ethyl tert-Butyl Ether
 TAME Tert-Amyl Methyl Ether
 mg/kg Milligrams per kilogram
 ug/kg Micrograms per kilogram
 ND Not Detected
 < Result below laboratory detection limit

TABLE 2

Summary of On-Site Grab Water Samples
Quik Stop No. 51 - 3130 35th Avenue, Oakland, CA

| Sample Number | Date Sampled | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethyl Benzene (ug/L) | Total Xylenes (ug/L) | MTBE (ug/L) | TBA (ug/L) | DIPE (ug/L) | TAME (ug/L) | ETBE (ug/L) | Naphthalene (ug/L) |
|---------------|--------------|----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|---------------------|-------------|---------------------|--------------------|
| B-1-W | 7/12/2016 | 71100 ⁽²⁾ | 233 ^(1,2) | 3.7 | 254 ^(1,2) | 133 | 25100 ⁽²⁾ | 39000 ⁽²⁾ | <2 | 16.7 | <2 | 5.9 |
| B-2-W | 7/12/2016 | 21000 ⁽²⁾ | 1280 ⁽²⁾ | 154 ⁽²⁾ | 575 ⁽²⁾ | 2430 ⁽²⁾ | 2.7 | 51.6 | <2 | <2 | <2 | 123 ⁽²⁾ |
| B-3-W | 7/12/2016 | 72500 | 1140 | 4.4 | 1340 | 784 ⁽¹⁾ | 21100 | 17900 | 0.28 ⁽¹⁾ | 16.5 | <2 | <2500 |
| B-4-W | 7/5/2016 | 40800 | 511 | <200 | 141 ⁽¹⁾ | 316 ⁽¹⁾ | 14600 | 20000 | <400 | <400 | <400 | <1000 |
| B-5-W | 7/12/2016 | 183000 | 404 ⁽¹⁾ | 5.5 | 613 ⁽¹⁾ | 551 ⁽¹⁾ | 70100 | 129000 | 0.93 ⁽¹⁾ | 42.1 | 0.39 ⁽¹⁾ | 12.2 |
| B-W-6 | 7/5/2016 | 2790 | 365 | 2.9 | 110 | 153 | 52.8 | 354 | 0.28 ⁽¹⁾ | <2 | <2 | 4.5 ⁽¹⁾ |

Foot Notes

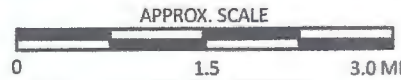
- 1 Indicates an estimated value below laboratory reporting limit
- 2 Indicates analyte found in associated method blank

TPHg Total petroleum hydrocarbons as gasoline
 MTBE Methyl Tert Butyl Ether
 TBA Tert-Butyl Alcohol
 DIPE Di-Isopropyl ether
 ETBE Ethyl Tert Butyl Ether
 ug/L micrograms per liter
 < Less than laboratory reporting limit

FIGURES



SOURCE: USGS 1:24,000 SCALE SERIES OAKLAND EAST, CA QUAD

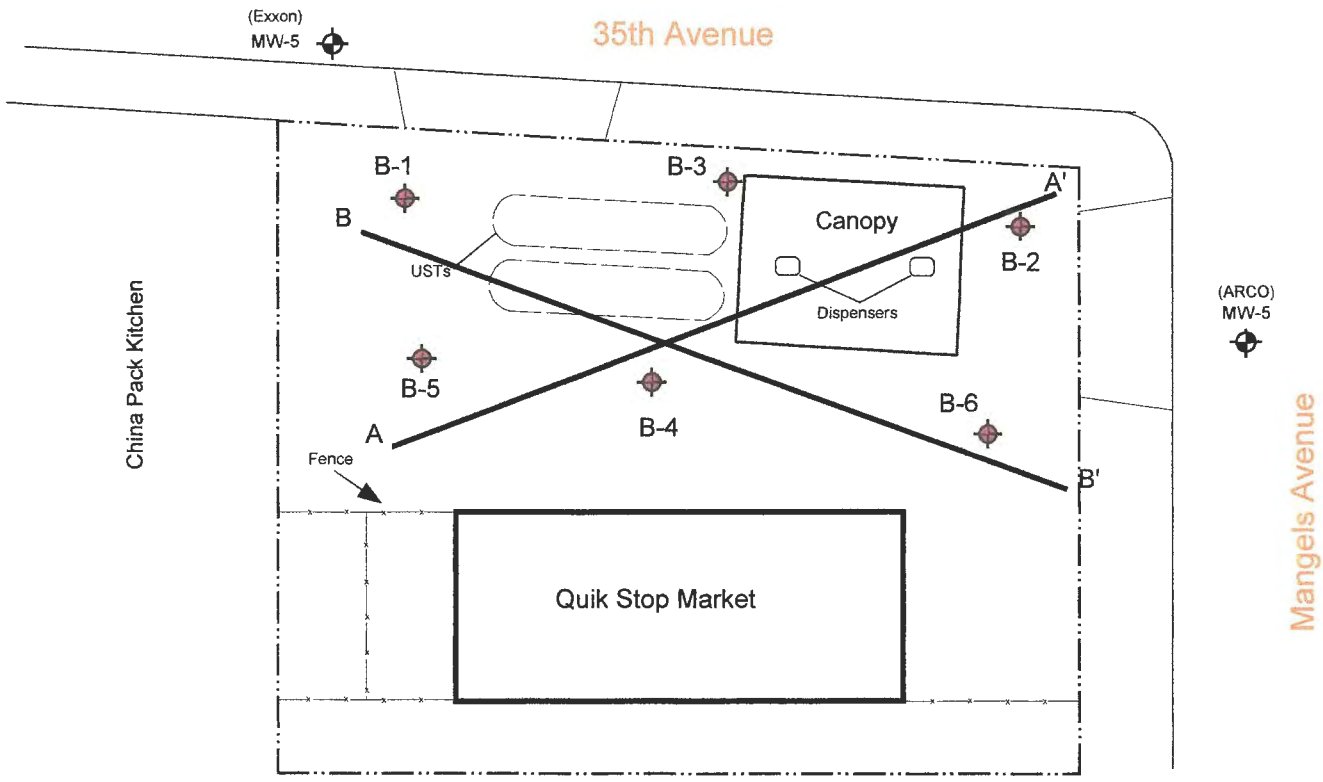


| | |
|--------------|----|
| Reviewed By: | GM |
| Approved By: | GM |



VICINITY MAP

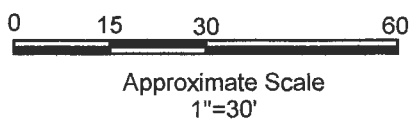
Quik Stop Market No. 51
3130 35th Avenue
Oakland, California

| | |
|---------------------------------------|-----------------|
| Compliance & Closure, Inc. | |
| Job No.: 12216.1 | Drawn By: GM |
| Date: 4/20/2016 | Fig. No.: 1 |



Legend

-  Soil Boring Location
-  Existing Monitoring Well from former Exxon Service Station at 3055 35th Ave & former ARCO Station at 3201 35th Ave.

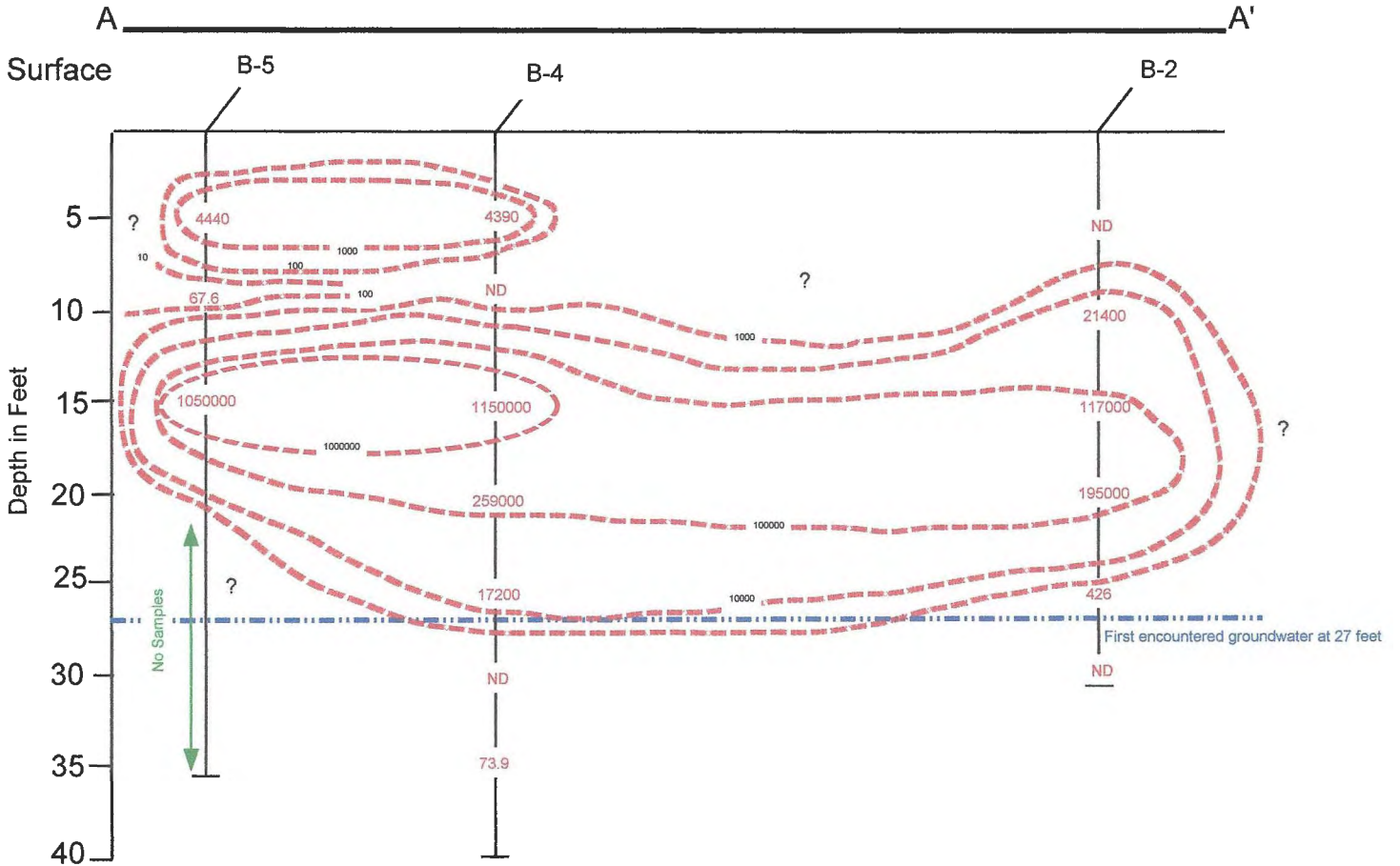


A—A' Soil Contamination Cross-Sections

Base: RHL Group Inc., 1998

| | | | |
|--|--|---|---|
| Job No.: <p style="text-align: center;">12216-1</p> | <p>Site Plan</p> <p>Quik Stop Market #51 3130 35th Avenue Oakland, California</p> | <p>Compliance & Closure, Inc.</p> | |
| Date: <p style="text-align: center;">7/26/2016</p> | | Drawn by: <p style="text-align: center;">NLN</p> | Figure No.:: <p style="text-align: center;">2</p> |

TPHg Soil Contamination Cross-Section A-A'



Reviewed By:
GM

Approved By:
GM

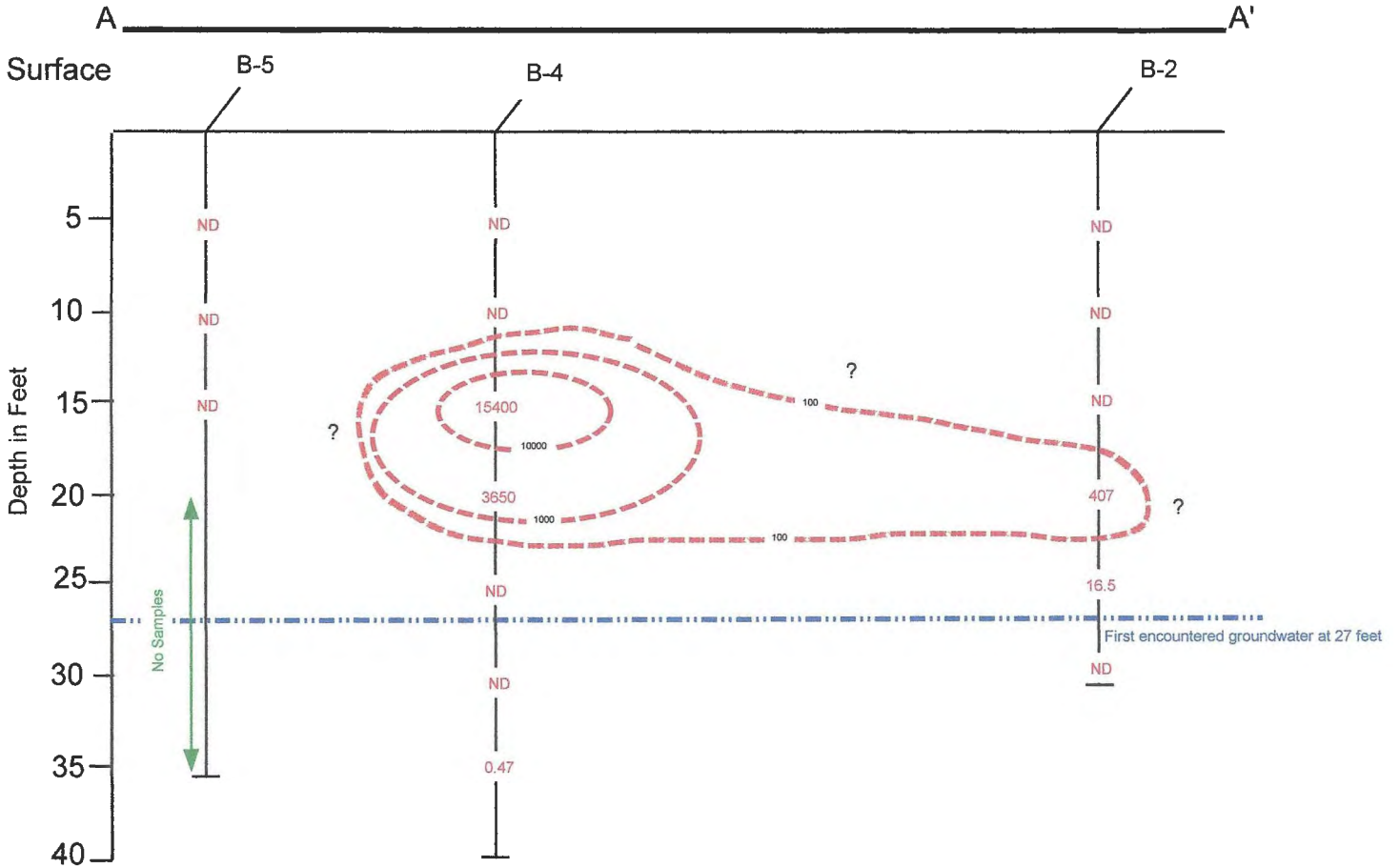
TPHg Soil Contamination Cross-Section A-A'

Quik Stop No. 51
 3130 35th Avenue
 Oakland, California

Compliance & Closure, Inc.

| | |
|--------------------|-----------------|
| Job No. 12216-1 | Drawn By: GM |
| Date: 7/26/2016 | Fig. No. 3 |

Benzene Soil Contamination Cross-Section A-A'



Reviewed By:
GM

Approved By:
GM

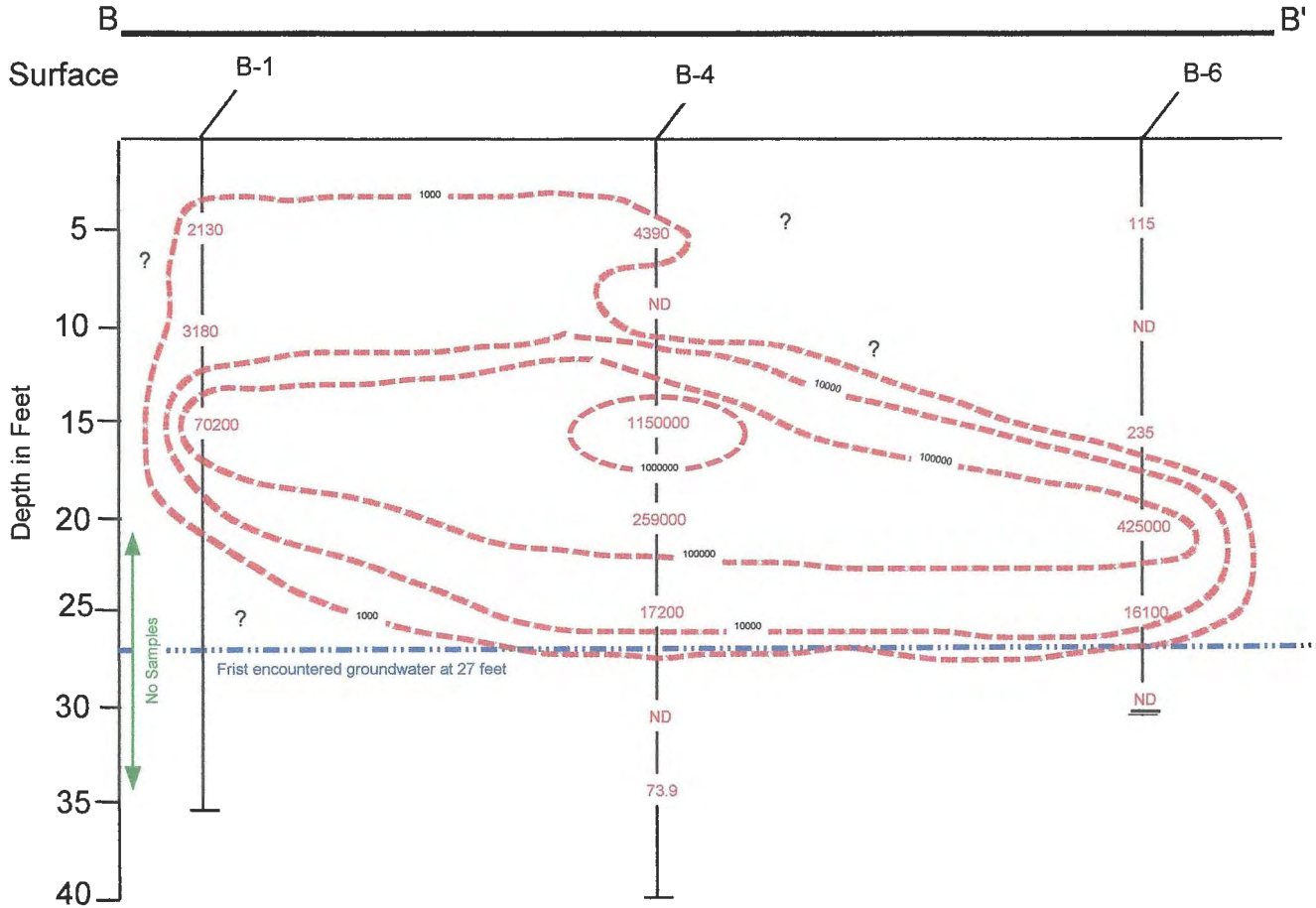
Benzene Soil Contamination Cross-Section A-A'

Quik Stop No. 51
3130 35th Avenue
Oakland, California

Compliance & Closure, Inc.

| | |
|--------------------|-----------------|
| Job No. 12216-1 | Drawn By: GM |
| Date: 7/26/2016 | Fig. No. 4 |

TPHg Soil Contamination Cross-Section B-B'



Horizontal 1" = 20'

Vertical 1" = 10'

21400 - TPHg Concentration in ug/kg

--- TPHg Concentration Contour Line in ug/kg

Reviewed By:
GM

Approved By:
GM

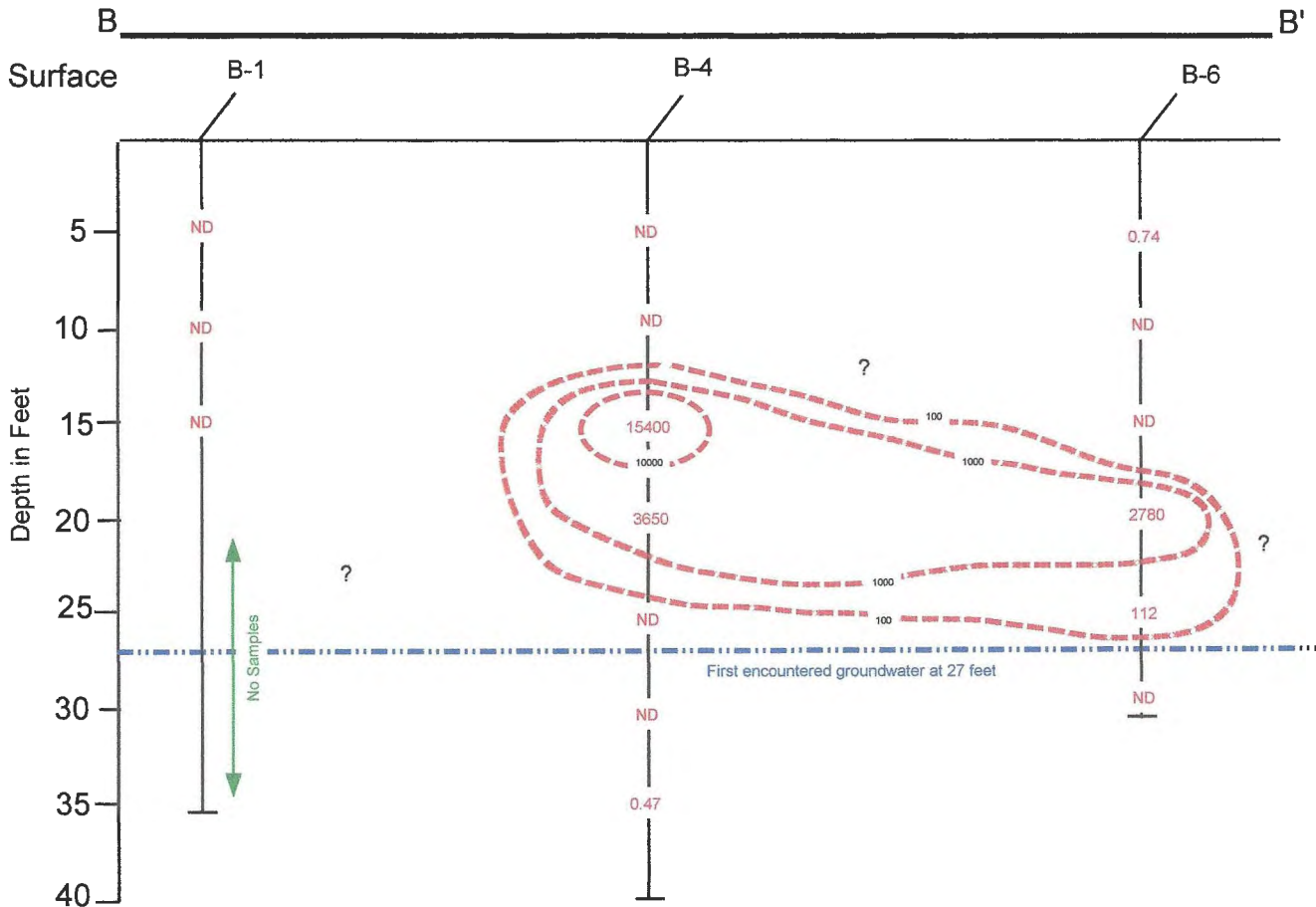
TPHg Soil Contamination Cross-Section B-B'

Quik Stop No. 51
3130 35th Avenue
Oakland, California

Compliance & Closure, Inc.

| | |
|--------------------|-----------------|
| Job No. 12216-1 | Drawn By: GM |
| Date: 7/26/2016 | Fig. No. 5 |

Benzene Soil Contamination Cross-Section B-B'



Horizontal 1" = 20'
Vertical 1" = 10'

2780 - Benzene Concentration in ug/kg

--- Benzene Concentration Contour Line in ug/kg

| | | | |
|---------------------------|---|----------------------------|------------------------|
| Reviewed By: GM | Benzene Soil Contamination Cross-Section B-B' | Compliance & Closure, Inc. | |
| Approved By: GM | Quik Stop No. 51 3130 35th Avenue Oakland, California | Job No. 12216-1 | Drawn By: GM |
| | | Date: 7/26/2016 | Fig. No. 6 |

APPENDIX A

Alameda County Boring Permits

Alameda County Public Works Agency - Water Resources Well Permit



Public Works Agency
Alameda County

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

Application Approved on: 06/03/2016 By Jamesy

Permit Numbers: W2016-0392
Permits Valid from 06/07/2016 to 06/08/2016

Application Id: 1464733093661
Site Location: 3130 35th Avenue

City of Project Site:Oakland

Project Start Date: 06/07/2016
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com

Completion Date:06/08/2016

Applicant: Compliance & Closure - Gary Muckey
4115 Blackhawk plaza ciack, Ste 100, Danville, CA 94506
Property Owner: Frederick D. & Geraldine G Emory Trust
257 Clearview Ct, Roseville, CA 95745
Client: Quik Stop Markets
4567 Enterprise St., Fremont, CA 94538
Contact: Gary Muckey

Phone: 925-648-2008
Phone: --
Phone: 510-657-8500
Phone: 925-292-4565
Cell: 925-580-2258

Receipt Number: WR2016-0272 Total Due: \$265.00
Payer Name : Compliance & Closure, Inc. Total Amount Paid: \$265.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 6 Boreholes
Driller: Cascade Drilling - Lic #: 938110 - Method: DP

Work Total: \$265.00

Specifications

| Permit Number | Issued Dt | Expire Dt | # Boreholes | Hole Diam | Max Depth |
|---------------|------------|------------|-------------|-----------|-----------|
| W2016-0392 | 06/03/2016 | 09/05/2016 | 6 | 2.50 in. | 20.00 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, property 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,

Alameda County Public Works Agency - Water Resources Well Permit

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.

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.

APPENDIX B

Boring Logs

STANDARD SYMBOLS

Legend

-  Soil Sample Location
-  Soil Sample Collected for Laboratory Analysis
-  No Soil Recovery
-  Disturbed or Bag Soil Sample
-  First Encountered Water Level
-  Piezometric Ground Water Level

Unified Soil Classification System

| Major Divisions | | Group Symbols | Typical Names |
|--|---|--------------------|---|
| Coarse-Grained Soils More than half of material is larger than no. 200 sieve size | Gravels more than half of coarse fraction is smaller than no. 4 sieve size | Clean Gravels | GW Well-graded gravels, gravel-sand mixtures, little of no fines |
| | | | GP Poorly graded gravels, gravel sand mixtures, little or no fines |
| | | Gravels with fines | GM Silty gravels, gravel-sand-silt mixtures |
| | | | GC Clayey gravels, gravel-sand-clay mixtures |
| | Sands more than half of coarse fraction is smaller than no. 4 sieve size | Clean Sands | SW Well-graded sands, gravelly sands, little or no fines |
| | | | SP Poorly graded sand, gravelly sands; little or no fines |
| | | Sands with fines | SM Silty sands, sandy silt mixtures |
| | | | SC Clayey snads, sand-clay mixtures |
| Fine-Grained Soils more than half of material is smaller than no. 200 sieve size | Low Liquid Limit | ML | Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity |
| | | CL | Inorganic clays of low to medium plasticity, gravelly clays, sandy clay; silty clays, lean clays |
| | | CL | Organic silts and organic silty clays of low plasticity |
| | High Liquid Limit | MH | Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts |
| | | CH | Inorganic clays of high plasticity, fat clays |
| | | CH | Organic clays of medium to high plasticity, organic silts |
| | High Organic Soils | | Pt |

NOTES:

1. Boundary Classification: Soil possessing characteristics of two groups are designated by combinations of group symbols. For example, GW-GC, well-graded gravel-sand mixture with clay binder
2. All sieve sizes on this chart are U.S. Standard
3. The terms "silt" and "clay" are used respectively to distinguish materials exhibiting lower plasticity from those with higher plasticity.
4. For a complete description of the Unified Soil Classification System, see Technical Memorandum No. 3-357, prepared for Office Chief Engineers, by Waterways Equipment Station, Vicksburg Mississippi, March 1953. (See also Data Sheet 17.)

Project No. 12216-1 BORING NO. B-1
 Logged by: GM Date: 6/27/2016 to 7/12/2016
 Client: Quik Stop # 51

Drilling Method: Flight Auger **Page 1 of 1**
 Boring Diameter: 4 " dia.
 Total Depth: 35' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 35' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 27 feet Static: N/A feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|------------|-----------|----------------------|--------------|--|-----------------------|
| | | | Fill | Asphalt pavement & baserock | |
| B-1-5 | 0.0 | | 5 | CL - Dark grey SILTY CLAY, moist, stiff, massive, medium to high plasticity, no petroleum odor. | |
| B-1-10 | 1.2 | | 10 | CL/ML - Brown SANDY CLAY to CLAYEY SAND, moist, stiff, 30% fine sand, some iron stains, rare gravel, no petroleum odor. | |
| B-1-15 | 305 | | 15 | SM - yellow-brown CLAYEY SAND, damp to moist, large gravel to 3/4 inch in diameter abundant fine to coarse sand, noticable petroleum odor. | |
| | 52 | No samples collected | 20 | Rocky area, no recovery | |
| | | | 25 | CL - Orange to grey-brown SANDY CLAY, very moist, very stiff to hard, 20% iron stains, slight petroleum odor. | |
| | | | | Groundwater at 27 feet | |
| | | | 30 | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. | |
| | | | | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. | |
| | | | 35 | Bottom at 35 feet | |
| | | | 40 | | |
| | | | | Reviewed by PG | |

Project No. 12216-1 BORING NO. B-2
 Logged by: GM Date: 7/11/2016
 Client: Quik Stop # 51

Drilling Method: GeoProbe **Page 1 of 1**
 Boring Diameter: 3 " dia.
 Total Depth: 30' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 30' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 26 feet Static: 17.5 feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|------------|-----------|------------|--------------|---|-----------------------|
| | | | 0 | Fill Concrete pavement & baserock | |
| B-2-5 | 1.0 | | 5 | CL - Yellow-brown CLAY, moist, stiff, medium to high plasticity, no petroleum odor. | |
| B-2-10 | 10 | | 10 | SP - Mottled Grey-brown CLAYEY SAND with rock fragments, hard, moist, no product odor. | |
| B-2-15 | 11 | | 15 | CL - Mottled grey-brown SANDY CLAY, moist, stiff, slight petro odor. | |
| | | | 17.5 | Static water level around 17.5 feet | |
| B-2-20 | 231 | | 20 | CL/SC - Mottled grey-brown SANDY CLAY TO CLAYEY SAND, moist, very stiff, 30% fine to coarse sand, some iron stains, moderated product odor. | |
| B-2-25 | 37 | ▽ | 25 | CL- Mottled grey-brown CLAY, moist, very stiff, high plasticity, massive < 10% fine sand, no petroleum odor. | |
| | | | 26 | Groundwater at 26 feet | |
| B-2-30 | 0.5 | | 30 | Dense clay at 30 feet, high plasticity. | |
| | | | 30 | Bottom at 30 feet | |
| | | | 35 | | |
| | | | 40 | | |
| | | | | Reviewed by PG | |

Project No. 12216-1 BORING NO. B-3
 Logged by: GM Date: 7/11/2016
 Client: Quik Stop # 51

Drilling Method: GeoProbe Page 1 of 1
 Boring Diameter: 3 " dia.
 Total Depth: 38' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 38' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 26 feet Static: 16.5 feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|----------------|-----------|----------------------|--------------|--|-----------------------|
| | | | 0 | Fill Concrete pavement & baserock | |
| B-3-5 | 0.1 | | 5 | CL - Grey-brown CLAY, moist, stiff, medium to high plasticity, no petroleum odor. | |
| B-3-10 | 0.0 | | 10 | SC - Mottled Grey-brown CLAYEY SAND with rock fragments, hard, moist. no product odor. | |
| B-3-15 | 113 | | 15 | SP- Grey SILTY SAND, damp, hard, 70% fine to coarse sand, 5% rock fragments to 1/2", no petroleum odor. | |
| | | | 16.5 | Static water level around 16.5 feet | |
| B-3-20 | 1340 | | 20 | SC - Mottled grey-brown SANDY CLAY TO CLAYEY SAND, moist, very stiff, 30% fine to coarse sand, some iron stains, moderated product odor. | |
| B-3-25 | 2.0 | | 25 | CL- Mottled grey-brown CLAY, moist, very stiff, high plasticity, massive < 10% fine sand, no petroleum odor. | |
| | | | 27 | Groundwater at 27 feet | |
| B-3-30 | 0.7 | | 30 | CL- Mottled grey-brown CLAY, moist, very stiff, high plasticity, massive < 10% fine sand, no petroleum odor. | |
| | | No samples collected | 35 | SM - Brown SILTY SAND, very moist, hard, 15% iron stains, fine to coarse sand. no petroleum odor. | |
| | | | 38 | CL- Dense CLAY at 38 feet, high plasticity. | |
| | | | 40 | Bottom at 38 feet | |
| Reviewed by PG | | | | | |

Project No. 12216-1 BORING NO. B-4
 Logged by: GM Date: 6/21/2016
 Client: Quik Stop # 51

Drilling Method: Hollow Stem Page 1 of 1
 Boring Diameter: 8 " dia.
 Total Depth: 40' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A'
 Blank Length: N/A' Sand Pack: N/A'
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 40' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 32 feet Static: 23 feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|----------------|-----------|------------|--------------|--|-----------------------|
| | | | 0 | Fill Asphalt pavement & baserock | |
| B-4-5 | 0.2 | | 5 | CL - Grey-olive grey, SILTY CLAY, moist, stiff, medium to high plasticity, no petroleum odor. | |
| B-4-10 | 81 | | 10 | CL- Orange-brown SILTY CLAY, moist, hard, 25-30% fine to medium grain sand, slight petroleum odor, < 1% rock fragments to 1/4" diameter. | |
| B-4-15 | 498 | | 15 | Product odor around 15 feet | |
| | | | | SC/CL - Grey-brown SANDY CLAY TO CLAYEY SAND, moist, very stiff 10% iron stains noted. | |
| B-4-20 | 86 | | 20 | Static water level around 23 feet | |
| B-4-25 | 6.5 | | 25 | CL - Orange to grey-brown SANDY CLAY, very moist, very stiff to hard, 20% iron stains, slight petroleum odor. | |
| B-4-30 | 4.5 | | 30 | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. Groundwater around 32 feet | |
| B-4-35 | 0.2 | | 35 | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. | |
| | | | 40 | Bottom at 40 feet | |
| Reviewed by PG | | | | | |

Project No. 12216-1 BORING NO. B-5
 Logged by: GM Date: 6/27/2016 to 7/12/2016
 Client: Quik Stop # 51

Drilling Method: Flight Auger Page 1 of 1
 Boring Diameter: 4 " dia.
 Total Depth: 35' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 35' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 27 feet Static: N/A feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|------------|-----------|------------|--------------|---|-----------------------|
| | | | 0.0 | Fill Asphalt pavement & baserock | |
| B-5-5 | 0.0 | | 5 | CL - Mottled grey-brown SANDY CLAY, very moist, stiff, massive, medium plasticity, no petroleum odor. | |
| B-5-10 | 24 | | 10 | CL/SM - Yellow-brown SANDY CLAY to CLAYEY SAND, moist, very stiff, some rock fragments, fine to coarse sand with 1/4" gravel, no petroleum odor. | |
| B-5-15 | 118 | | 15 | SM - yellow-brown CLAYEY SAND, damp to moist, large gravel to 3/4 inch in diameter abundant fine to coarse sand, noticeable petroleum odor. Some iron stains present. | |
| | 96 | | 20 | Rocky area, no recovery | |
| | | | 25 | CL - Orange to grey-brown SANDY CLAY, very moist, very stiff to hard, 20% iron stains, slight petroleum odor. | |
| | | | | Groundwater at 27 feet | |
| | | | 30 | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. | |
| | | | | CL- Grey-brown CLAY, moist, stiff, high plasticity, < 10% fine sand, no petroleum odor. | |
| | | | 35 | Bottom at 35 feet | |
| | | | 40 | | |
| | | | | Reviewed by PG | |



No samples collected

Project No. 12216-1 BORING NO. B-6
 Logged by: GM Date: 7/5/2016
 Client: Quik Stop # 51

Drilling Method: Hollow Stem Page 1 of 1
 Boring Diameter: 8 " dia.
 Total Depth: 30' Casing Depth: N/A'
 Screen Length: N/A' Slot Size: N/A
 Blank Length: N/A' Sand Pack: N/A
 Top Sand Pack: N/A Top Bentonite: N/A
 Grout Seal: 30' Vault Box N/A MSL N/A

Location: 3130 35th Avenue, Oakland, CA
 Permit: W2016-0392
 Water Levels: 1st Enc: 26 feet Static: 22.7 feet

| Sample No. | PID (PPM) | Blow Count | Sample Depth | Lithology Log | Well Detail/ Backfill |
|------------|-----------|------------|--------------|--|-----------------------|
| | | | 0 | Fill Concrete pavement & baserock | |
| B-6-5 | 0.0 | | 5 | CL - Grey to black SILTY CLAY, moist, stiff, medium to high plasticity, no petroleum odor. | |
| B-6-10 | 0.0 | | 10 | SC - Very hard drilling Rock with CLAYEY SAND, multi-colored, red, brown, greenish, hard, no petroleum odor. | |
| B-6-15 | 15 | | 15 | Hard drilling around 15 feet SC - Grey-brown CLAYEY SAND with rock fragments (sandstone), moist, hard, fine to coarse sand with 1/2 inch green, red, yellow rock fragments with iron stains, moderate product odor. | |
| B-6-20 | 127 | | 20 | Static water level around 22.7 feet | |
| B-6-25 | 5 | | 25 | CL- Grey-brown SANDY CLAY, moist, very stiff, 30% fine to coarse sand, no petroleum odor. Groundwater at 26 feet | |
| B-6-30 | 3 | | 30 | Dense massive clay at 30 feet, high plasticity Bottom at 30 feet | |
| | | | 35 | | |
| | | | 40 | | |

Reviewed by PG

APPENDIX C

Laboratory Report

Technical Report for

Quick Stop Markets

T10000008568-CCCAD:Quik Stop #51, Oakland, CA

12216-1

SGS Accutest Job Number: C46337

Sampling Date: 06/27/16

Report to:

Compliance and Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506
gary@cci-envr.com

ATTN: Gary Mulkey

Total number of pages in report: 23



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

Table of Contents

-1-

| | |
|---|-----------|
| Section 1: Sample Summary | 3 |
| Section 2: Summary of Hits | 4 |
| Section 3: Sample Results | 5 |
| 3.1: C46337-1: B-1-5 | 6 |
| 3.2: C46337-2: B-1-10 | 7 |
| 3.3: C46337-3: B-1-15 | 8 |
| 3.4: C46337-4: B-5-5 | 9 |
| 3.5: C46337-5: B-5-10 | 10 |
| 3.6: C46337-6: B-5-15 | 11 |
| Section 4: Misc. Forms | 12 |
| 4.1: Chain of Custody | 13 |
| Section 5: GC/MS Volatiles - QC Data Summaries | 15 |
| 5.1: Method Blank Summary | 16 |
| 5.2: Blank Spike/Blank Spike Duplicate Summary | 18 |
| 5.3: Laboratory Control Sample Summary | 20 |
| 5.4: Matrix Spike/Matrix Spike Duplicate Summary | 22 |

1

2

3

4

5



Sample Summary

Quick Stop Markets

Job No: C46337

T10000008568-CCCAD: Quik Stop #51, Oakland, CA
 Project No: 12216-1

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|------|------------------|
| | Date | Time By | | Code | Type | |
| C46337-1 | 06/27/16 | 10:30 GM | 06/28/16 | SO | Soil | B-1-5 |
| C46337-2 | 06/27/16 | 10:40 GM | 06/28/16 | SO | Soil | B-1-10 |
| C46337-3 | 06/27/16 | 10:50 GM | 06/28/16 | SO | Soil | B-1-15 |
| C46337-4 | 06/27/16 | 11:45 GM | 06/28/16 | SO | Soil | B-5-5 |
| C46337-5 | 06/27/16 | 12:05 GM | 06/28/16 | SO | Soil | B-5-10 |
| C46337-6 | 06/27/16 | 12:25 GM | 06/28/16 | SO | Soil | B-5-15 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C46337
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 06/27/16

2

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|-------------------------|------------------|-----------------|--------|-------|-------|-------------|
| C46337-1 | | B-1-5 | | | | |
| Tert Butyl Alcohol | | 6370 | 1500 | 370 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 2130 J | 3700 | 1900 | ug/kg | SW846 8260B |
| C46337-2 | | B-1-10 | | | | |
| Ethylbenzene | | 33.8 J | 190 | 19 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 102 J | 190 | 38 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 19300 | 1500 | 380 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 3180 J | 3800 | 1900 | ug/kg | SW846 8260B |
| C46337-3 | | B-1-15 | | | | |
| Ethylbenzene | | 321 J | 440 | 44 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 3800 | 440 | 89 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 12900 | 3600 | 890 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 70200 | 8900 | 4400 | ug/kg | SW846 8260B |
| C46337-4 | | B-5-5 | | | | |
| Methyl Tert Butyl Ether | | 2020 | 180 | 36 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 616 J | 1400 | 360 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 4440 | 3600 | 1800 | ug/kg | SW846 8260B |
| C46337-5 | | B-5-10 | | | | |
| Methyl Tert Butyl Ether | | 2.0 J | 5.0 | 1.0 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 67.6 J | 100 | 50 | ug/kg | SW846 8260B |
| C46337-6 | | B-5-15 | | | | |
| Benzene | | 3530 J | 6600 | 660 | ug/kg | SW846 8260B |
| Ethylbenzene | | 21800 | 6600 | 660 | ug/kg | SW846 8260B |
| Xylene (total) | | 22300 | 13000 | 1300 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 2830 J | 6600 | 1300 | ug/kg | SW846 8260B |
| Naphthalene | | 4120 J | 6600 | 1300 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 1050000 | 130000 | 66000 | ug/kg | SW846 8260B |

Sample Results

Report of Analysis

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-1-5 | Date Sampled: 06/27/16 |
| Lab Sample ID: C46337-1 | Date Received: 06/28/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49798.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 6.68 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 190 | 19 | ug/kg | |
| 108-88-3 | Toluene | ND | 190 | 19 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 190 | 19 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 370 | 37 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 190 | 19 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 190 | 19 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 190 | 37 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 190 | 37 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 190 | 19 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 6370 | 1500 | 370 | ug/kg | |
| | TPH-GRO (C6-C10) | 2130 | 3700 | 1900 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-1-10 | |
| Lab Sample ID: C46337-2 | Date Sampled: 06/27/16 |
| Matrix: SO - Soil | Date Received: 06/28/16 |
| Method: SW846 8260B | Percent Solids: n/a ^a |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49799.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 6.59 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 190 | 19 | ug/kg | |
| 108-88-3 | Toluene | ND | 190 | 19 | ug/kg | |
| 100-41-4 | Ethylbenzene | 33.8 | 190 | 19 | ug/kg | J |
| 1330-20-7 | Xylene (total) | ND | 380 | 38 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 190 | 19 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 190 | 19 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 102 | 190 | 38 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 190 | 38 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 190 | 19 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 19300 | 1500 | 380 | ug/kg | |
| | TPH-GRO (C6-C10) | 3180 | 3800 | 1900 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-1-15 | | Date Sampled: 06/27/16 |
| Lab Sample ID: C46337-3 | | Date Received: 06/28/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49820.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 7.04 g | 5.0 ml | 40.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 440 | 44 | ug/kg | |
| 108-88-3 | Toluene | ND | 440 | 44 | ug/kg | |
| 100-41-4 | Ethylbenzene | 321 | 440 | 44 | ug/kg | J |
| 1330-20-7 | Xylene (total) | ND | 890 | 89 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 440 | 44 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 440 | 44 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 3800 | 440 | 89 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 440 | 89 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 440 | 44 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 12900 | 3600 | 890 | ug/kg | |
| | TPH-GRO (C6-C10) | 70200 | 8900 | 4400 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-5-5 | | Date Sampled: 06/27/16 |
| Lab Sample ID: C46337-4 | | Date Received: 06/28/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49817.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 6.90 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 180 | 18 | ug/kg | |
| 108-88-3 | Toluene | ND | 180 | 18 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 180 | 18 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 360 | 36 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 180 | 18 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 180 | 18 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2020 | 180 | 36 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 180 | 36 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 180 | 18 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 616 | 1400 | 360 | ug/kg | J |
| | TPH-GRO (C6-C10) | 4440 | 3600 | 1800 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|---|--|---|
| Client Sample ID: B-5-10 | | |
| Lab Sample ID: C46337-5 | | Date Sampled: 06/27/16 |
| Matrix: SO - Soil | | Date Received: 06/28/16 |
| Method: SW846 8260B | | Percent Solids: n/a ^a |
| Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49791.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| Run #2 | | | | | | | |

| | Initial Weight |
|--------|----------------|
| Run #1 | 5.02 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2.0 | 5.0 | 1.0 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| | TPH-GRO (C6-C10) | 67.6 | 100 | 50 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

| | | |
|--|--|---|
| Client Sample ID: B-5-15 | | |
| Lab Sample ID: C46337-6 | | Date Sampled: 06/27/16 |
| Matrix: SO - Soil | | Date Received: 06/28/16 |
| Method: SW846 8260B | | Percent Solids: n/a ^a |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49819.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 6.30 g | 5.0 ml | 3.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|---------|--------|-------|-------|---|
| 71-43-2 | Benzene | 3530 | 6600 | 660 | ug/kg | J |
| 108-88-3 | Toluene | ND | 6600 | 660 | ug/kg | |
| 100-41-4 | Ethylbenzene | 21800 | 6600 | 660 | ug/kg | |
| 1330-20-7 | Xylene (total) | 22300 | 13000 | 1300 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 6600 | 660 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 6600 | 660 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2830 | 6600 | 1300 | ug/kg | J |
| 91-20-3 | Naphthalene | 4120 | 6600 | 1300 | ug/kg | J |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 6600 | 660 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 53000 | 13000 | ug/kg | |
| | TPH-GRO (C6-C10) | 1050000 | 130000 | 66000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Accutest Sample Receipt Summary

Job Number: C46337

Client: COMPLIANCE & CLOSURE

Project: QUICK STOP #51 OAKLAND,CA

Date / Time Received: 6/28/2016 8:10:00 AM

Delivery Method: Client

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (5.9/6.9):

Cooler Security

Y or N

- | | | | | | |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Therm ID: | <u>IR3;</u> | |
| 3. Cooler media: | <u>Ice (Bag)</u> | |
| 4. No. Coolers: | <u>1</u> | |

Quality Control Preservation

Y or N N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | <u>Intact</u> | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

C46337: Chain of Custody

Page 2 of 2

4.1
4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1492-MB | L49785.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-1, C46337-2, C46337-5

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) ^a | 50.1 | 100 | 50 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 95% | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 81-115% |

(a) Gasoline pattern not present.

Method Blank Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1493-MB | L49815.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-3, C46337-4, C46337-6

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) ^a | 50.2 | 100 | 50 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 81-115% |

(a) Gasoline pattern not present.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1492-BS | L49782.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| VL1492-BSD | L49783.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-1, C46337-2, C46337-5

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------|-----------|-------|-----------|-------|-----|----------------|
| 71-43-2 | Benzene | 40 | 34.6 | 87 | 35.4 | 89 | 2 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 32.5 | 81 | 32.9 | 82 | 1 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 36.3 | 91 | 36.9 | 92 | 2 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 33.9 | 85 | 34.3 | 86 | 1 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 32.7 | 82 | 33.1 | 83 | 1 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 36.4 | 91 | 37.9 | 95 | 4 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 35.9 | 90 | 36.4 | 91 | 1 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 172 | 86 | 183 | 92 | 6 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 35.2 | 88 | 35.5 | 89 | 1 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 110 | 92 | 111 | 93 | 1 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 97% | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | 95% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 96% | 81-115% |

* = Outside of Control Limits.

5.2.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1493-BS | L49812.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| VL1493-BSD | L49813.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-3, C46337-4, C46337-6

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------|-----------|-------|-----------|-------|-----|----------------|
| 71-43-2 | Benzene | 40 | 38.0 | 95 | 38.6 | 97 | 2 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 35.4 | 89 | 35.4 | 89 | 0 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 40.4 | 101 | 39.9 | 100 | 1 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 36.1 | 90 | 36.4 | 91 | 1 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 33.8 | 85 | 34.3 | 86 | 1 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 37.8 | 95 | 38.0 | 95 | 1 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 37.5 | 94 | 38.5 | 96 | 3 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 188 | 94 | 185 | 93 | 2 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 38.8 | 97 | 39.0 | 98 | 1 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 122 | 102 | 121 | 101 | 1 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 96% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 93% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 95% | 81-115% |

* = Outside of Control Limits.

5.2.2
 5

Laboratory Control Sample Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1492-LCS | L49784.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-1, C46337-2, C46337-5

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 280 | 112 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 93% | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 81-115% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1493-LCS | L49814.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-3, C46337-4, C46337-6

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 267 | 107 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 96% | 72-140% |
| 2037-26-5 | Toluene-D8 | 94% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 81-115% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46337-5MS | L49802.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| C46337-5MSD | L49803.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |
| C46337-5 | L49791.D | 1 | 06/28/16 | JT | n/a | n/a | VL1492 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-1, C46337-2, C46337-5

| CAS No. | Compound | C46337-5 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD | |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|-----------|
| 71-43-2 | Benzene | ND | | 38.8 | 41.2 | 106 | 39.5 | 42.8 | 108 | 4 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | | 38.8 | 34.8 | 90 | 39.5 | 35.7 | 90 | 3 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | | 38.8 | 39.9 | 103 | 39.5 | 41.0 | 104 | 3 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | | 38.8 | 36.5 | 94 | 39.5 | 37.8 | 96 | 3 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 2.0 | J | 38.8 | 36.7 | 89 | 39.5 | 38.4 | 92 | 5 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | | 38.8 | 33.3 | 86 | 39.5 | 40.0 | 101 | 18 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 38.8 | 37.5 | 97 | 39.5 | 39.2 | 99 | 4 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | ND | | 194 | 188 | 97 | 198 | 227 | 115 | 19 | 50-163/30 |
| 108-88-3 | Toluene | ND | | 38.8 | 39.8 | 102 | 39.5 | 40.8 | 103 | 2 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | | 117 | 120 | 103 | 119 | 124 | 105 | 3 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46337-5 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 100% | 99% | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | 94% | 98% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 98% | 95% | 81-115% |

* = Outside of Control Limits.

5.4.1
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46337
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46337-4MS | L49821.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| C46337-4MSD | L49822.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |
| C46337-4 | L49817.D | 1 | 06/29/16 | JT | n/a | n/a | VL1493 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46337-3, C46337-4, C46337-6

| CAS No. | Compound | C46337-4 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 1450 | 1310 | 90 | 1450 | 1270 | 88 | 3 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | 1450 | 1200 | 83 | 1450 | 1210 | 83 | 1 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | 1450 | 1360 | 94 | 1450 | 1320 | 91 | 3 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 1450 | 1230 | 85 | 1450 | 1230 | 85 | 0 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 2020 | 1450 | 3070 | 72 | 1450 | 3100 | 75 | 1 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | 1450 | 1330 | 92 | 1450 | 1310 | 90 | 2 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 1450 | 1290 | 89 | 1450 | 1280 | 88 | 1 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 616 | J 7250 | 7500 | 95 | 7250 | 7550 | 96 | 1 | 50-163/30 |
| 108-88-3 | Toluene | ND | 1450 | 1310 | 90 | 1450 | 1290 | 89 | 2 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | 4350 | 4150 | 95 | 4350 | 4040 | 93 | 3 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46337-4 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 96% | 97% | 97% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 96% | 98% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 97% | 96% | 81-115% |

* = Outside of Control Limits.

5.4.2
 5

Technical Report for

Quick Stop Markets

T10000008568-CCCAD:Quik Stop #51, Oakland, CA

12216-1

SGS Accutest Job Number: C46413

Sampling Date: 07/05/16

Report to:

Compliance and Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506
gary@cci-envr.com

ATTN: Gary Mulkey

Total number of pages in report: **47**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

Table of Contents

-1-

| | |
|---|-----------|
| Section 1: Sample Summary | 3 |
| Section 2: Summary of Hits | 5 |
| Section 3: Sample Results | 8 |
| 3.1: C46413-1: B-4-5 | 9 |
| 3.2: C46413-2: B-4-10 | 10 |
| 3.3: C46413-3: B-4-15 | 11 |
| 3.4: C46413-4: B-4-20 | 12 |
| 3.5: C46413-5: B-4-25 | 13 |
| 3.6: C46413-6: B-4-30 | 14 |
| 3.7: C46413-7: B-4-35 | 15 |
| 3.8: C46413-8: B-4-W | 16 |
| 3.9: C46413-9: B-6-5 | 17 |
| 3.10: C46413-10: B-6-10 | 18 |
| 3.11: C46413-11: B-6-15 | 19 |
| 3.12: C46413-12: B-6-20 | 20 |
| 3.13: C46413-13: B-6-25 | 21 |
| 3.14: C46413-14: B-6-30 | 22 |
| 3.15: C46413-15: B-6-W | 23 |
| Section 4: Misc. Forms | 24 |
| 4.1: Chain of Custody | 25 |
| Section 5: GC/MS Volatiles - QC Data Summaries | 27 |
| 5.1: Method Blank Summary | 28 |
| 5.2: Blank Spike/Blank Spike Duplicate Summary | 33 |
| 5.3: Laboratory Control Sample Summary | 38 |
| 5.4: Matrix Spike/Matrix Spike Duplicate Summary | 43 |

1

2

3

4

5



Sample Summary

Quick Stop Markets

Job No: C46413

T10000008568-CCCAD: Quik Stop #51, Oakland, CA

Project No: 12216-1

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|--------------|------------------|
| | Date | Time By | | Code | Type | |
| C46413-1 | 07/05/16 | 08:55 MR | 07/06/16 | SO | Soil | B-4-5 |
| C46413-2 | 07/05/16 | 09:10 MR | 07/06/16 | SO | Soil | B-4-10 |
| C46413-3 | 07/05/16 | 09:15 MR | 07/06/16 | SO | Soil | B-4-15 |
| C46413-4 | 07/05/16 | 09:25 MR | 07/06/16 | SO | Soil | B-4-20 |
| C46413-5 | 07/05/16 | 09:35 MR | 07/06/16 | SO | Soil | B-4-25 |
| C46413-6 | 07/05/16 | 09:45 MR | 07/06/16 | SO | Soil | B-4-30 |
| C46413-7 | 07/05/16 | 09:55 MR | 07/06/16 | SO | Soil | B-4-35 |
| C46413-8 | 07/05/16 | 10:35 MR | 07/06/16 | AQ | Ground Water | B-4-W |
| C46413-9 | 07/05/16 | 12:50 MR | 07/06/16 | SO | Soil | B-6-5 |
| C46413-10 | 07/05/16 | 13:05 MR | 07/06/16 | SO | Soil | B-6-10 |
| C46413-11 | 07/05/16 | 13:12 MR | 07/06/16 | SO | Soil | B-6-15 |
| C46413-12 | 07/05/16 | 13:22 MR | 07/06/16 | SO | Soil | B-6-20 |
| C46413-13 | 07/05/16 | 13:35 MR | 07/06/16 | SO | Soil | B-6-25 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Quick Stop Markets

Job No: C46413

T10000008568-CCCAD: Quik Stop #51, Oakland, CA
 Project No: 12216-1

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|--------------|------------------|
| | Date | Time By | | Code | Type | |
| C46413-14 | 07/05/16 | 13:50 MR | 07/06/16 | SO | Soil | B-6-30 |
| C46413-15 | 07/05/16 | 14:30 MR | 07/06/16 | AQ | Ground Water | B-6-W |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C46413
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/05/16

| Lab Sample ID | Client Sample ID | Result/ Analyte | RL | MDL | Units | Method |
|----------------------------------|------------------|-------------------------|----------|--------|--------|-------------------|
| C46413-1 | B-4-5 | | | | | |
| | | Methyl Tert Butyl Ether | 2080 | 250 | 50 | ug/kg SW846 8260B |
| | | Tert Butyl Alcohol | 2790 | 2000 | 500 | ug/kg SW846 8260B |
| | | TPH-GRO (C6-C10) | 4390 J | 5000 | 2500 | ug/kg SW846 8260B |
| C46413-2 | B-4-10 | | | | | |
| No hits reported in this sample. | | | | | | |
| C46413-3 | B-4-15 | | | | | |
| | | Benzene | 15400 J | 24000 | 2400 | ug/kg SW846 8260B |
| | | Ethylbenzene | 20300 J | 24000 | 2400 | ug/kg SW846 8260B |
| | | Xylene (total) | 107000 | 48000 | 4800 | ug/kg SW846 8260B |
| | | TPH-GRO (C6-C10) | 1150000 | 480000 | 240000 | ug/kg SW846 8260B |
| C46413-4 | B-4-20 | | | | | |
| | | Benzene | 3650 J | 23000 | 2300 | ug/kg SW846 8260B |
| | | Ethylbenzene | 3290 J | 23000 | 2300 | ug/kg SW846 8260B |
| | | Methyl Tert Butyl Ether | 19700 J | 23000 | 4600 | ug/kg SW846 8260B |
| | | TPH-GRO (C6-C10) | 259000 J | 460000 | 230000 | ug/kg SW846 8260B |
| C46413-5 | B-4-25 | | | | | |
| | | Methyl Tert Butyl Ether | 12700 | 970 | 190 | ug/kg SW846 8260B |
| | | Tert Butyl Alcohol | 21100 | 1900 | 480 | ug/kg SW846 8260B |
| | | TPH-GRO (C6-C10) | 17200 | 4800 | 2400 | ug/kg SW846 8260B |
| C46413-6 | B-4-30 | | | | | |
| | | Methyl Tert Butyl Ether | 1090 | 240 | 49 | ug/kg SW846 8260B |
| | | Tert Butyl Alcohol | 816 J | 1900 | 490 | ug/kg SW846 8260B |
| C46413-7 | B-4-35 | | | | | |
| | | Benzene | 0.47 J | 4.6 | 0.46 | ug/kg SW846 8260B |
| | | Methyl Tert Butyl Ether | 47.4 | 4.6 | 0.93 | ug/kg SW846 8260B |
| | | Tert Butyl Alcohol | 20.9 J | 37 | 9.3 | ug/kg SW846 8260B |
| | | TPH-GRO (C6-C10) | 73.9 J | 93 | 46 | ug/kg SW846 8260B |
| C46413-8 | B-4-W | | | | | |
| | | Benzene ^a | 511 | 200 | 40 | ug/l SW846 8260B |

Summary of Hits

Job Number: C46413
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/05/16

2

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|--------------------------------------|------------------|-----------------|--------|--------|-------|-------------|
| Ethylbenzene ^a | | 141 J | 200 | 40 | ug/l | SW846 8260B |
| Xylene (total) ^a | | 316 J | 400 | 92 | ug/l | SW846 8260B |
| Methyl Tert Butyl Ether ^a | | 14600 | 200 | 40 | ug/l | SW846 8260B |
| Tert-Butyl Alcohol ^a | | 20000 | 2000 | 480 | ug/l | SW846 8260B |
| TPH-GRO (C6-C10) ^a | | 40800 | 10000 | 5000 | ug/l | SW846 8260B |
| C46413-9 B-6-5 | | | | | | |
| Benzene | | 0.74 J | 4.6 | 0.46 | ug/kg | SW846 8260B |
| Ethylbenzene | | 1.3 J | 4.6 | 0.46 | ug/kg | SW846 8260B |
| Xylene (total) | | 3.3 J | 9.3 | 0.93 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 0.98 J | 4.6 | 0.93 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 115 | 93 | 46 | ug/kg | SW846 8260B |
| C46413-10 B-6-10 | | | | | | |
| Methyl Tert Butyl Ether | | 1.3 J | 4.7 | 0.95 | ug/kg | SW846 8260B |
| C46413-11 B-6-15 | | | | | | |
| Methyl Tert Butyl Ether | | 1.0 J | 5.0 | 1.0 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 235 | 100 | 50 | ug/kg | SW846 8260B |
| C46413-12 B-6-20 | | | | | | |
| Benzene | | 2780 J | 23000 | 2300 | ug/kg | SW846 8260B |
| Ethylbenzene | | 6380 J | 23000 | 2300 | ug/kg | SW846 8260B |
| Xylene (total) | | 6120 J | 45000 | 4500 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 425000 J | 450000 | 230000 | ug/kg | SW846 8260B |
| C46413-13 B-6-25 | | | | | | |
| Benzene | | 112 J | 230 | 23 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 16100 | 4600 | 2300 | ug/kg | SW846 8260B |
| C46413-14 B-6-30 | | | | | | |
| Methyl Tert Butyl Ether | | 8.9 | 4.8 | 0.95 | ug/kg | SW846 8260B |
| C46413-15 B-6-W | | | | | | |
| Benzene ^b | | 365 | 10 | 2.0 | ug/l | SW846 8260B |
| Toluene ^c | | 2.9 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene ^b | | 110 | 10 | 2.0 | ug/l | SW846 8260B |
| Xylene (total) ^c | | 153 | 2.0 | 0.46 | ug/l | SW846 8260B |

Summary of Hits

Job Number: C46413
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/05/16

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|-----|------|-------|-------------|
| | | 0.28 J | 2.0 | 0.22 | ug/l | SW846 8260B |
| | | 52.8 | 1.0 | 0.20 | ug/l | SW846 8260B |
| | | 4.5 J | 5.0 | 0.50 | ug/l | SW846 8260B |
| | | 354 | 10 | 2.4 | ug/l | SW846 8260B |
| | | 2790 | 500 | 250 | ug/l | SW846 8260B |

- (a) Sample vial contained more than 0.5cm of sediment.
- (b) (pH= 5) Sample pH did not satisfy field preservation criteria. Sample was analyzed within 7 day holding time.
Sample vial contained more than 0.5cm of sediment.
- (c) Sample vial contained more than 0.5cm of sediment and significant headspace.

Sample Results

Report of Analysis

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-5 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-1 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49919.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.01 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 250 | 25 | ug/kg | |
| 108-88-3 | Toluene | ND | 250 | 25 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 250 | 25 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 500 | 50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 250 | 25 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 250 | 25 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2080 | 250 | 50 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 250 | 50 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 250 | 25 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 2790 | 2000 | 500 | ug/kg | |
| | TPH-GRO (C6-C10) | 4390 | 5000 | 2500 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 94% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|---|--|---|
| Client Sample ID: B-4-10 | | |
| Lab Sample ID: C46413-2 | | Date Sampled: 07/05/16 |
| Matrix: SO - Soil | | Date Received: 07/06/16 |
| Method: SW846 8260B | | Percent Solids: n/a ^a |
| Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49920.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.08 g | 5.0 ml | 1.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|--------|--------|-------|---|
| 71-43-2 | Benzene | ND | 25000 | 2500 | ug/kg | |
| 108-88-3 | Toluene | ND | 25000 | 2500 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 25000 | 2500 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 49000 | 4900 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 25000 | 2500 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 25000 | 2500 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 25000 | 4900 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 25000 | 4900 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 25000 | 2500 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 200000 | 49000 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 490000 | 250000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-15 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-3 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49921.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.23 g | 5.0 ml | 1.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|---------|--------|--------|-------|---|
| 71-43-2 | Benzene | 15400 | 24000 | 2400 | ug/kg | J |
| 108-88-3 | Toluene | ND | 24000 | 2400 | ug/kg | |
| 100-41-4 | Ethylbenzene | 20300 | 24000 | 2400 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 107000 | 48000 | 4800 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 24000 | 2400 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 24000 | 2400 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 24000 | 4800 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 24000 | 4800 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 24000 | 2400 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 190000 | 48000 | ug/kg | |
| | TPH-GRO (C6-C10) | 1150000 | 480000 | 240000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-20 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-4 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49923.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.40 g | 5.0 ml | 1.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|--------|--------|-------|---|
| 71-43-2 | Benzene | 3650 | 23000 | 2300 | ug/kg | J |
| 108-88-3 | Toluene | ND | 23000 | 2300 | ug/kg | |
| 100-41-4 | Ethylbenzene | 3290 | 23000 | 2300 | ug/kg | J |
| 1330-20-7 | Xylene (total) | ND | 46000 | 4600 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 23000 | 2300 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 23000 | 2300 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 19700 | 23000 | 4600 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 23000 | 4600 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 23000 | 2300 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 190000 | 46000 | ug/kg | |
| | TPH-GRO (C6-C10) | 259000 | 460000 | 230000 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-25 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-5 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49918.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | L49963.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.17 g | 5.0 ml | 100 ul |
| Run #2 | 5.17 g | 5.0 ml | 25.0 ul |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------------------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 240 | 24 | ug/kg | |
| 108-88-3 | Toluene | ND | 240 | 24 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 240 | 24 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 480 | 48 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 240 | 24 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 240 | 24 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 12700 ^b | 970 | 190 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 240 | 48 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 240 | 24 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 21100 | 1900 | 480 | ug/kg | |
| | TPH-GRO (C6-C10) | 17200 | 4800 | 2400 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 95% | 98% | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | 96% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 93% | 81-115% |

(a) All results reported on a wet weight basis.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-30 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-6 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | M61717.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.14 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 240 | 24 | ug/kg | |
| 108-88-3 | Toluene | ND | 240 | 24 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 240 | 24 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 490 | 49 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 240 | 24 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 240 | 24 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 1090 | 240 | 49 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 240 | 49 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 240 | 24 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 816 | 1900 | 490 | ug/kg | J |
| | TPH-GRO (C6-C10) | ND | 4900 | 2400 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 100% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-4-35 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-7 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | M61718.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| Run #2 | | | | | | | |

| Run # | Initial Weight |
|--------|----------------|
| Run #1 | 5.39 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.47 | 4.6 | 0.46 | ug/kg | J |
| 108-88-3 | Toluene | ND | 4.6 | 0.46 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.6 | 0.46 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.3 | 0.93 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.6 | 0.46 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.6 | 0.46 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 47.4 | 4.6 | 0.93 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.6 | 0.93 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.6 | 0.46 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 20.9 | 37 | 9.3 | ug/kg | J |
| | TPH-GRO (C6-C10) | 73.9 | 93 | 46 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis



| | | |
|--|--|--------------------------------|
| Client Sample ID: B-4-W | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-8 | | Date Received: 07/06/16 |
| Matrix: AQ - Ground Water | | Percent Solids: n/a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 ^a | R40968.D | 200 | 07/08/16 | CV | n/a | n/a | VR1577 |
| Run #2 | | | | | | | |

| | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|------|-------|---|
| 71-43-2 | Benzene | 511 | 200 | 40 | ug/l | |
| 108-88-3 | Toluene | ND | 200 | 40 | ug/l | |
| 100-41-4 | Ethylbenzene | 141 | 200 | 40 | ug/l | J |
| 1330-20-7 | Xylene (total) | 316 | 400 | 92 | ug/l | J |
| 108-20-3 | Di-Isopropyl ether | ND | 400 | 44 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 400 | 44 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 14600 | 200 | 40 | ug/l | |
| 91-20-3 | Naphthalene | ND | 1000 | 100 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 400 | 80 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 20000 | 2000 | 480 | ug/l | |
| | TPH-GRO (C6-C10) | 40800 | 10000 | 5000 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | | 79-114% |

(a) Sample vial contained more than 0.5cm of sediment.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-6-5 | | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-9 | | Date Received: 07/06/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | M61728.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| Run #2 | | | | | | | |

| | Initial Weight |
|--------|----------------|
| Run #1 | 5.38 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.74 | 4.6 | 0.46 | ug/kg | J |
| 108-88-3 | Toluene | ND | 4.6 | 0.46 | ug/kg | |
| 100-41-4 | Ethylbenzene | 1.3 | 4.6 | 0.46 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 3.3 | 9.3 | 0.93 | ug/kg | J |
| 108-20-3 | Di-Isopropyl ether | ND | 4.6 | 0.46 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.6 | 0.46 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.98 | 4.6 | 0.93 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 4.6 | 0.93 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.6 | 0.46 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 37 | 9.3 | ug/kg | |
| | TPH-GRO (C6-C10) | 115 | 93 | 46 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 99% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|--------------------------|--|------------------------|------------------|
| Client Sample ID: | B-6-10 | Date Sampled: | 07/05/16 |
| Lab Sample ID: | C46413-10 | Date Received: | 07/06/16 |
| Matrix: | SO - Soil | Percent Solids: | n/a ^a |
| Method: | SW846 8260B | | |
| Project: | T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49913.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight |
|--------|----------------|
| Run #1 | 5.28 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 4.7 | 0.47 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.7 | 0.47 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.7 | 0.47 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.5 | 0.95 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.7 | 0.47 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.7 | 0.47 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 1.3 | 4.7 | 0.95 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 4.7 | 0.95 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.7 | 0.47 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 38 | 9.5 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 95 | 47 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 89% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-6-15 | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-11 | Date Received: 07/06/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49914.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight |
|--------|----------------|
| Run #1 | 5.01 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 1.0 | 5.0 | 1.0 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| | TPH-GRO (C6-C10) | 235 | 100 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-6-20 | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-12 | Date Received: 07/06/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49925.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.53 g | 5.0 ml | 1.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|--------|--------|-------|---|
| 71-43-2 | Benzene | 2780 | 23000 | 2300 | ug/kg | J |
| 108-88-3 | Toluene | ND | 23000 | 2300 | ug/kg | |
| 100-41-4 | Ethylbenzene | 6380 | 23000 | 2300 | ug/kg | J |
| 1330-20-7 | Xylene (total) | 6120 | 45000 | 4500 | ug/kg | J |
| 108-20-3 | Di-Isopropyl ether | ND | 23000 | 2300 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 23000 | 2300 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 23000 | 4500 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 23000 | 4500 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 23000 | 2300 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 180000 | 45000 | ug/kg | |
| | TPH-GRO (C6-C10) | 425000 | 450000 | 230000 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 89% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-6-25 | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-13 | Date Received: 07/06/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L49917.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.45 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 112 | 230 | 23 | ug/kg | J |
| 108-88-3 | Toluene | ND | 230 | 23 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 230 | 23 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 460 | 46 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 230 | 23 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 230 | 23 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 230 | 46 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 230 | 46 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 230 | 23 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 1800 | 460 | ug/kg | |
| | TPH-GRO (C6-C10) | 16100 | 4600 | 2300 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 96% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 91% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-6-30 | Date Sampled: 07/05/16 |
| Lab Sample ID: C46413-14 | Date Received: 07/06/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | M61719.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| Run #2 | | | | | | | |

| Run # | Initial Weight |
|--------|----------------|
| Run #1 | 5.25 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 4.8 | 0.48 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.8 | 0.48 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.8 | 0.48 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.5 | 0.95 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.8 | 0.48 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.8 | 0.48 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 8.9 | 4.8 | 0.95 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.8 | 0.95 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.8 | 0.48 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 38 | 9.5 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 95 | 48 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|--------------------------------|
| Client Sample ID: B-6-W | | |
| Lab Sample ID: C46413-15 | | Date Sampled: 07/05/16 |
| Matrix: AQ - Ground Water | | Date Received: 07/06/16 |
| Method: SW846 8260B | | Percent Solids: n/a |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 ^a | U35738.D | 1 | 07/06/16 | MV | n/a | n/a | VU1472 |
| Run #2 ^b | R40967.D | 10 | 07/08/16 | CV | n/a | n/a | VR1577 |

| | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|-------------------|-----|------|-------|---|
| 71-43-2 | Benzene | 365 ^c | 10 | 2.0 | ug/l | |
| 108-88-3 | Toluene | 2.9 | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 110 ^c | 10 | 2.0 | ug/l | |
| 1330-20-7 | Xylene (total) | 153 | 2.0 | 0.46 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | 0.28 | 2.0 | 0.22 | ug/l | J |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 52.8 | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | 4.5 | 5.0 | 0.50 | ug/l | J |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 354 | 10 | 2.4 | ug/l | |
| | TPH-GRO (C6-C10) | 2790 ^c | 500 | 250 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 110% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 98% | 79-114% |

- (a) Sample vial contained more than 0.5cm of sediment and significant headspace.
- (b) (pH= 5) Sample pH did not satisfy field preservation criteria. Sample was analyzed within 7 day holding time.
Sample vial contained more than 0.5cm of sediment.
- (c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

| PROJECT NO. 12216-1 | | PROJECT NAME/SITE Quik stop #51 OAKLAND, CA | | | | ANALYSIS REQUESTED | | | | | | | | | | P.O. #: | |
|--------------------------------------|--------|---|------|------|------------|--------------------|-------------|-----------------|------------|------------|---------------|---------|----------|----------|-----------|--------------|---------|
| SAMPLERS (SIGN) Gary R. Mulkey | | (PRINT) Gary R. Mulkey | | | | NO. CONTAINERS | SAMPLE TYPE | BTEX (602/6020) | TPH (6015) | TPH (6015) | TCG 418 15920 | 6018010 | 62418240 | 65318270 | 626026010 | 626026010 | REMARKS |
| SAMPLE IDENTIFICATION | DATE | TIME | COMP | GRAB | PRES. USED | | | ICED | 1 | 5 | X | X | X | X | X | X | |
| 1 B-4-5 | 7/5/16 | 8:55 | | X | None | X | 1 | 5 | X | X | | | | X | X | Get TPHs | |
| 2 B-4-10 | 7/5/16 | 9:10 | | X | | X | 1 | 5 | X | X | | | | X | X | from GCMS | |
| 3 B-4-15 | 7/5/16 | 9:15 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 4 B-4-20 | 7/5/16 | 9:25 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 5 B-4-25 | 7/5/16 | 9:35 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 6 B-4-30 | 7/5/16 | 9:45 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 7 B-4-35 | 7/5/16 | 9:55 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 8 B-4-W | 7/5/16 | 10:35 | | X | HCL | X | 3 | W | X | X | | | | X | X | | |
| 9 B-6-5 | 7/5/16 | 12:50 | | X | None | X | 1 | 5 | X | X | | | | X | X | | |
| 10 B-6-10 | 7/5/16 | 13:05 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 11 B-6-15 | 7/5/16 | 13:12 | | X | | X | 1 | 5 | X | X | | | | X | X | Prepare EDF | |
| 12 B-6-20 | 7/5/16 | 13:22 | | X | | X | 1 | 5 | X | X | | | | X | X | Global ID # | |
| 13 B-6-25 | 7/5/16 | 13:35 | | X | | X | 1 | 5 | X | X | | | | X | X | TI0000088568 | |
| 14 B-6-30 | 7/5/16 | 13:50 | | X | | X | 1 | 5 | X | X | | | | X | X | | |
| 15 B-6-W | 7/5/16 | 14:30 | | X | HCL | X | 3 | W | X | X | | | | X | X | | |

| | | | | | |
|------------------------------------|----------------|--------------|----------------------------|--|--|
| RELINQUISHED BY: Gary R. Mulkey | DATE 7/6/16 | TIME 8:05 | RECEIVED BY: Lee Bantre | LABORATORY: SGS Accutest Laboratory San Jose, CA | PLEASE SEND RESULTS TO: Compliance & Closure, Inc. 4115 Blackhawk Plaza Circle Suite 100 Danville, CA 94506 (925) 648-2008 Fax (925) 292-4565 gary@cci-envr.com |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | REQUESTED TURNAROUND TIME: standard | PROJECT MANAGER: Attn: Mr. Gary Mulkey |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | RECEIPT CONDITION: TEMP = 2.0 / 3.0 | |

4.1
4

LSA2

SGS Accutest Sample Receipt Summary

Job Number: C46413

Client: COMPLIANCE & CLOSURE

Project: QUIK STOP #15 OAKLAND, CA

Date / Time Received: 7/6/2016 8:05:00 AM

Delivery Method: Client

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (2/3):

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Therm ID: | IR3; | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

C46413: Chain of Custody

Page 2 of 2

4.1
4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VU1472-MB | U35723.D | 1 | 07/06/16 | MV | n/a | n/a | VU1472 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-15

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.22 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.50 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | 79-114% |

Method Blank Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VM1856-MB | M61714.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-6, C46413-7, C46413-9, C46413-14

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 100 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 102% 72-140% |
| 2037-26-5 | Toluene-D8 | 100% 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 101% 81-115% |

Method Blank Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1497-MB | L49908.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-1, C46413-2, C46413-3, C46413-4, C46413-5, C46413-10, C46413-11, C46413-12, C46413-13

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 100 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 81-115% |

Method Blank Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1577-MB | R40959.D | 1 | 07/08/16 | CV | n/a | n/a | VR1577 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-8, C46413-15

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.20 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.22 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.20 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.50 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |
| | TPH-GRO (C6-C10) | ND | 50 | 25 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 80-123% |
| 2037-26-5 | Toluene-D8 | 106% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | 79-114% |

Method Blank Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1498-MB | L49949.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-5

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|-----|-------|---|
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 81-115% |

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VU1472-BS | U35719.D | 1 | 07/06/16 | MV | n/a | n/a | VU1472 |
| VU1472-BSD | U35721.D | 1 | 07/06/16 | MV | n/a | n/a | VU1472 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-15

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------|----------|-------|----------|-------|-------|----------------|
| 108-20-3 | Di-Isopropyl ether | 20 | 18.5 | 93 | 20.0 | 100 | 8 | 69-126/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 18.9 | 95 | 20.4 | 102 | 8 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 18.4 | 92 | 20.0 | 100 | 8 | 73-120/10 |
| 91-20-3 | Naphthalene | 20 | 16.6 | 83 | 17.9 | 90 | 8 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 19.6 | 98 | 21.2 | 106 | 8 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 84.2 | 84 | 90.7 | 91 | 7 | 52-148/18 |
| 108-88-3 | Toluene | 20 | 17.4 | 87 | 19.9 | 100 | 13* a | 78-121/10 |
| 1330-20-7 | Xylene (total) | 60 | 49.3 | 82 | 56.0 | 93 | 13* a | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 101% | 80-123% |
| 2037-26-5 | Toluene-D8 | 100% | 99% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 100% | 79-114% |

(a) RPD exceeded laboratory acceptance limit; BS/BSD recoveries met acceptance criteria. AZ:R7

* = Outside of Control Limits.

5.2.1
 5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VM1856-BS | M61711.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| VM1856-BSD | M61712.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-6, C46413-7, C46413-9, C46413-14

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 40 | 32.6 | 82 | 33.2 | 83 | 2 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 31.6 | 79 | 32.0 | 80 | 1 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 33.1 | 83 | 33.4 | 84 | 1 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 32.5 | 81 | 33.4 | 84 | 3 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 31.7 | 79 | 32.8 | 82 | 3 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 32.1 | 80 | 33.0 | 83 | 3 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 33.4 | 84 | 34.8 | 87 | 4 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 169 | 85 | 202 | 101 | 18 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 32.4 | 81 | 32.3 | 81 | 0 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 98.0 | 82 | 99.9 | 83 | 2 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | 98% | 72-140% |
| 2037-26-5 | Toluene-D8 | 100% | 98% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 101% | 81-115% |

* = Outside of Control Limits.

5.2.2
 5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1497-BS | L49905.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| VL1497-BSD | L49906.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |

The QC reported here applies to the following samples: **Method:** SW846 8260B

C46413-1, C46413-2, C46413-3, C46413-4, C46413-5, C46413-10, C46413-11, C46413-12, C46413-13

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 40 | 31.4 | 79 | 33.1 | 83 | 5 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 29.6 | 74 | 32.2 | 81 | 8 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 29.6 | 74 | 31.3 | 78 | 6 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 30.7 | 77 | 33.5 | 84 | 9 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 29.1 | 73 | 32.7 | 82 | 12 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 29.1 | 73 | 33.7 | 84 | 15 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 32.1 | 80 | 35.9 | 90 | 11 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 157 | 79 | 182 | 91 | 15 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 28.5 | 71* a | 30.5 | 76 | 7 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 89.5 | 75 | 95.1 | 79 | 6 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 100% | 72-140% |
| 2037-26-5 | Toluene-D8 | 90% | 89% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 99% | 81-115% |

(a) Outside laboratory control limits; but within marginal exceedance criteria.

* = Outside of Control Limits.

5.2.3
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1577-BS | R40955.D | 1 | 07/08/16 | CV | n/a | n/a | VR1577 |
| VR1577-BSD | R40956.D | 1 | 07/08/16 | CV | n/a | n/a | VR1577 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-8, C46413-15

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------|----------|-------|----------|-------|-----|----------------|
| 71-43-2 | Benzene | 20 | 20.5 | 103 | 20.2 | 101 | 1 | 76-120/10 |
| 108-20-3 | Di-Isopropyl ether | 20 | 21.5 | 108 | 21.3 | 107 | 1 | 69-126/10 |
| 100-41-4 | Ethylbenzene | 20 | 21.1 | 106 | 20.3 | 102 | 4 | 78-123/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 20.4 | 102 | 20.7 | 104 | 1 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 19.0 | 95 | 19.2 | 96 | 1 | 73-120/10 |
| 91-20-3 | Naphthalene | 20 | 18.8 | 94 | 18.8 | 94 | 0 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.4 | 102 | 20.6 | 103 | 1 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 94.7 | 95 | 102 | 102 | 7 | 52-148/18 |
| 108-88-3 | Toluene | 20 | 20.4 | 102 | 19.7 | 99 | 3 | 78-121/10 |
| 1330-20-7 | Xylene (total) | 60 | 60.7 | 101 | 58.8 | 98 | 3 | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 110% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 99% | 79-114% |

* = Outside of Control Limits.

5.2.4
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1498-BS | L49946.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |
| VL1498-BSD | L49947.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-5

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 29.4 | 74 | 28.5 | 71 | 3 | 68-121/19 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|-----|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 93% | 92% | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | 97% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | 92% | 81-115% |

* = Outside of Control Limits.

5.2.5
 5

Laboratory Control Sample Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VU1472-LCS | U35720.D | 1 | 07/06/16 | MV | n/a | n/a | VU1472 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-15

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|----------|---------------|-------------|----------|--------|
|---------|----------|---------------|-------------|----------|--------|

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 79-114% |

* = Outside of Control Limits.

5.3.1
 5

Laboratory Control Sample Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VM1856-LCS | M61713.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-6, C46413-7, C46413-9, C46413-14

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 229 | 92 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | 72-140% |
| 2037-26-5 | Toluene-D8 | 102% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 81-115% |

* = Outside of Control Limits.

5.3.2
 5

Laboratory Control Sample Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1497-LCS | L49907.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-1, C46413-2, C46413-3, C46413-4, C46413-5, C46413-10, C46413-11, C46413-12, C46413-13

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 271 | 108 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 72-140% |
| 2037-26-5 | Toluene-D8 | 91% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 81-115% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1577-LCS | R40958.D | 1 | 07/08/16 | CV | n/a | n/a | VR1577 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-8, C46413-15

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|------------------|---------------|-------------|----------|--------|
| | TPH-GRO (C6-C10) | 125 | 143 | 114 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 107% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 79-114% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1498-LCS | L49948.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-5

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|----------|----------------|--------------|----------|--------|
|---------|----------|----------------|--------------|----------|--------|

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 81-115% |

* = Outside of Control Limits.

5.3.5
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|-----|----------|----|-----------|------------|------------------|
| C46393-1MS | U35741.D | 100 | 07/06/16 | MV | n/a | n/a | VU1472 |
| C46393-1MSD | U35742.D | 100 | 07/06/16 | MV | n/a | n/a | VU1472 |
| C46393-1 | U35736.D | 100 | 07/06/16 | MV | n/a | n/a | VU1472 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-15

| CAS No. | Compound | C46393-1 ug/l | Spike Q ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------------|--------------------|------------|---------|---------------|-------------|----------|-----|-------------------|
| 108-20-3 | Di-Isopropyl ether | ND | 2000 | 1700 | 85 | 2000 | 1760 | 88 | 3 | 69-126/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2000 | 1750 | 88 | 2000 | 1820 | 91 | 4 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2000 | 1700 | 85 | 2000 | 1800 | 90 | 6 | 73-120/10 |
| 91-20-3 | Naphthalene | ND | 2000 | 1540 | 77 | 2000 | 1600 | 80 | 4 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2000 | 1780 | 89 | 2000 | 1870 | 94 | 5 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10000 | 8120 | 81 | 10000 | 8450 | 85 | 4 | 52-148/18 |
| 108-88-3 | Toluene | ND | 2000 | 1610 | 81 | 2000 | 1680 | 84 | 4 | 78-121/10 |
| 1330-20-7 | Xylene (total) | ND | 6000 | 4540 | 76* a | 6000 | 4730 | 79 | 4 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46393-1 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 105% | 120% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 101% | 99% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 92% | 79-114% |

(a) Outside control limits due to matrix interference. AZ:M2

* = Outside of Control Limits.

5.4.1
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46413-7MS | M61730.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| C46413-7MSD | M61731.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |
| C46413-7 | M61718.D | 1 | 07/06/16 | JT | n/a | n/a | VM1856 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-6, C46413-7, C46413-9, C46413-14

| CAS No. | Compound | C46413-7 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 0.47 | J | 38.7 | 32.7 | 83 | 38.6 | 31.2 | 5 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | | 38.7 | 27.5 | 71 | 38.6 | 25.6 | 7 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | | 38.7 | 32.7 | 85 | 38.6 | 31.2 | 5 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | | 38.7 | 28.2 | 73 | 38.6 | 26.0 | 8 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 47.4 | | 38.7 | 51.0 | 9* a | 38.6 | 42.6 | 18 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | | 38.7 | 29.9 | 77 | 38.6 | 28.7 | 4 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 38.7 | 30.1 | 78 | 38.6 | 27.6 | 9 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 20.9 | J | 193 | 160 | 72 | 193 | 146 | 9 | 50-163/30 |
| 108-88-3 | Toluene | ND | | 38.7 | 32.4 | 84 | 38.6 | 30.0 | 8 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | | 116 | 101 | 87 | 116 | 94.9 | 6 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46413-7 | Limits |
|-----------|----------------------|------|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 87% | 109% | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | 95% | 98% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 100% | 81-115% |

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46418-2MS | L49915.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| C46418-2MSD | L49916.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |
| C46418-2 | L49909.D | 1 | 07/07/16 | JT | n/a | n/a | VL1497 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-1, C46413-2, C46413-3, C46413-4, C46413-5, C46413-10, C46413-11, C46413-12, C46413-13

| CAS No. | Compound | C46418-2 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 43.7 | 37.9 | 87 | 44.7 | 40.0 | 89 | 5 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | 43.7 | 36.3 | 83 | 44.7 | 39.4 | 88 | 8 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | 43.7 | 35.6 | 81 | 44.7 | 37.8 | 85 | 6 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 43.7 | 38.0 | 87 | 44.7 | 41.0 | 92 | 8 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 43.7 | 35.3 | 81 | 44.7 | 38.4 | 86 | 8 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | 43.7 | 30.9 | 71 | 44.7 | 30.3 | 68 | 2 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 43.7 | 39.2 | 90 | 44.7 | 43.0 | 96 | 9 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | ND | 219 | 186 | 85 | 224 | 196 | 88 | 5 | 50-163/30 |
| 108-88-3 | Toluene | ND | 43.7 | 34.5 | 79 | 44.7 | 37.2 | 83 | 8 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | 131 | 107 | 82 | 134 | 114 | 85 | 6 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46418-2 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 102% | 107% | 72-140% |
| 2037-26-5 | Toluene-D8 | 88% | 90% | 92% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 96% | 98% | 81-115% |

* = Outside of Control Limits.

5.4.3
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------------------|----------|-----|----------|----|-----------|------------|------------------|
| C46413-8MS | R40974.D | 200 | 07/08/16 | CV | n/a | n/a | VR1577 |
| C46413-8MSD | R40975.D | 200 | 07/08/16 | CV | n/a | n/a | VR1577 |
| C46413-8 ^a | R40968.D | 200 | 07/08/16 | CV | n/a | n/a | VR1577 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-8, C46413-15

| CAS No. | Compound | C46413-8 | | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------|---|---------|------|------------|----------|-------|-----|----------------|
| | | ug/l | Q | | | | | | | |
| 71-43-2 | Benzene | 511 | | 4560 | 101 | 4000 | 4410 | 97 | 3 | 76-120/10 |
| 108-20-3 | Di-Isopropyl ether | ND | | 3900 | 98 | 4000 | 3780 | 95 | 3 | 69-126/10 |
| 100-41-4 | Ethylbenzene | 141 | J | 4280 | 103 | 4000 | 4160 | 100 | 3 | 78-123/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | | 3980 | 100 | 4000 | 3870 | 97 | 3 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | 14600 | | 17700 | 78 | 4000 | 17500 | 73 | 1 | 73-120/10 |
| 91-20-3 | Naphthalene | ND | | 4020 | 101 | 4000 | 3880 | 97 | 4 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 4100 | 103 | 4000 | 3990 | 100 | 3 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | 20000 | | 41300 | 107 | 20000 | 41300 | 107 | 0 | 52-148/18 |
| 108-88-3 | Toluene | ND | | 4130 | 103 | 4000 | 3970 | 99 | 4 | 78-121/10 |
| 1330-20-7 | Xylene (total) | 316 | J | 12000 | 103 | 12000 | 12200 | 99 | 4 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46413-8 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 102% | 108% | 80-123% |
| 2037-26-5 | Toluene-D8 | 100% | 100% | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 98% | 95% | 79-114% |

(a) Sample vial contained more than 0.5cm of sediment.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46413
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46413-5MS | L49964.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |
| C46413-5MSD | L49965.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |
| C46413-5 | L49963.D | 1 | 07/11/16 | JT | n/a | n/a | VL1498 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46413-5

| CAS No. | Compound | C46413-5 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 1634-04-4 | Methyl Tert Butyl Ether | 12700 | 7740 | 18900 | 80 | 7740 | 17600 | 63* a | 7 | 68-121/19 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46413-5 | Limits |
|-----------|----------------------|------|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 97% | 98% | 72-140% |
| 2037-26-5 | Toluene-D8 | 94% | 98% | 96% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 97% | 93% | 81-115% |

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

5.4.5
 5

Technical Report for

Quick Stop Markets

T10000008568-CCCAD:Quik Stop #51, Oakland, CA

12216-1

SGS Accutest Job Number: C46475

Sampling Dates: 07/11/16 - 07/12/16

Report to:

Compliance and Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506
gary@cci-envr.com

ATTN: Gary Mulkey

Total number of pages in report: **62**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

Table of Contents

-1-

| | |
|---|-----------|
| Section 1: Sample Summary | 3 |
| Section 2: Summary of Hits | 5 |
| Section 3: Sample Results | 8 |
| 3.1: C46475-1: B-2-5 | 9 |
| 3.2: C46475-2: B-2-10 | 10 |
| 3.3: C46475-3: B-2-15 | 11 |
| 3.4: C46475-4: B-2-20 | 12 |
| 3.5: C46475-5: B-2-25 | 13 |
| 3.6: C46475-6: B-2-30 | 14 |
| 3.7: C46475-7: B-3-5 | 15 |
| 3.8: C46475-8: B-3-10 | 16 |
| 3.9: C46475-9: B-3-15 | 17 |
| 3.10: C46475-10: B-3-20 | 18 |
| 3.11: C46475-11: B-3-21 | 19 |
| 3.12: C46475-12: B-3-25 | 20 |
| 3.13: C46475-13: B-3-30 | 21 |
| 3.14: C46475-14: B-3-W | 22 |
| 3.15: C46475-15: B-2-W | 23 |
| 3.16: C46475-16: B-1-W | 24 |
| 3.17: C46475-17: B-5-W | 25 |
| Section 4: Misc. Forms | 26 |
| 4.1: Chain of Custody | 27 |
| Section 5: GC/MS Volatiles - QC Data Summaries | 30 |
| 5.1: Method Blank Summary | 31 |
| 5.2: Blank Spike/Blank Spike Duplicate Summary | 39 |
| 5.3: Laboratory Control Sample Summary | 47 |
| 5.4: Matrix Spike/Matrix Spike Duplicate Summary | 55 |

1

2

3

4

5



Sample Summary

Quick Stop Markets

Job No: C46475

T10000008568-CCCAD: Quik Stop #51, Oakland, CA
 Project No: 12216-1

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|---------|----------|--------|------|------------------|
| | Date | Time By | | Code | Type | |
| C46475-1 | 07/11/16 | 08:30 | 07/12/16 | SO | Soil | B-2-5 |
| C46475-2 | 07/11/16 | 08:35 | 07/12/16 | SO | Soil | B-2-10 |
| C46475-3 | 07/11/16 | 08:40 | 07/12/16 | SO | Soil | B-2-15 |
| C46475-4 | 07/11/16 | 08:55 | 07/12/16 | SO | Soil | B-2-20 |
| C46475-5 | 07/11/16 | 09:10 | 07/12/16 | SO | Soil | B-2-25 |
| C46475-6 | 07/11/16 | 09:30 | 07/12/16 | SO | Soil | B-2-30 |
| C46475-7 | 07/11/16 | 10:25 | 07/12/16 | SO | Soil | B-3-5 |
| C46475-8 | 07/11/16 | 10:30 | 07/12/16 | SO | Soil | B-3-10 |
| C46475-9 | 07/11/16 | 10:35 | 07/12/16 | SO | Soil | B-3-15 |
| C46475-10 | 07/11/16 | 10:40 | 07/12/16 | SO | Soil | B-3-20 |
| C46475-11 | 07/11/16 | 10:50 | 07/12/16 | SO | Soil | B-3-21 |
| C46475-12 | 07/11/16 | 11:05 | 07/12/16 | SO | Soil | B-3-25 |
| C46475-13 | 07/11/16 | 11:15 | 07/12/16 | SO | Soil | B-3-30 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Quick Stop Markets

Job No: C46475

T10000008568-CCCAD: Quik Stop #51, Oakland, CA
 Project No: 12216-1

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|---------|----------|--------|--------------|------------------|
| | Date | Time By | | Code | Type | |
| C46475-14 | 07/12/16 | 08:45 | 07/12/16 | AQ | Ground Water | B-3-W |
| C46475-15 | 07/12/16 | 08:55 | 07/12/16 | AQ | Ground Water | B-2-W |
| C46475-16 | 07/12/16 | 09:15 | 07/12/16 | AQ | Ground Water | B-1-W |
| C46475-17 | 07/12/16 | 10:15 | 07/12/16 | AQ | Ground Water | B-5-W |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C46475
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/11/16 thru 07/12/16

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

C46475-1 B-2-5

No hits reported in this sample.

C46475-2 B-2-10

| | | | | | |
|------------------|-------|------|------|-------|-------------|
| TPH-GRO (C6-C10) | 21400 | 4600 | 2300 | ug/kg | SW846 8260B |
|------------------|-------|------|------|-------|-------------|

C46475-3 B-2-15

| | | | | | |
|------------------|--------|-------|-------|-------|-------------|
| TPH-GRO (C6-C10) | 117000 | 47000 | 24000 | ug/kg | SW846 8260B |
|------------------|--------|-------|-------|-------|-------------|

C46475-4 B-2-20

| | | | | | |
|------------------|--------|-------|-------|-------|-------------|
| Benzene | 407 J | 2200 | 220 | ug/kg | SW846 8260B |
| Ethylbenzene | 1640 J | 2200 | 220 | ug/kg | SW846 8260B |
| Naphthalene | 486 J | 2200 | 430 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | 195000 | 43000 | 22000 | ug/kg | SW846 8260B |

C46475-5 B-2-25

| | | | | | |
|--------------------|--------|-----|------|-------|-------------|
| Benzene | 16.6 | 4.9 | 0.49 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | 21.1 J | 39 | 9.7 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | 426 | 97 | 49 | ug/kg | SW846 8260B |

C46475-6 B-2-30

| | | | | | |
|-------------------------|-------|-----|------|-------|-------------|
| Methyl Tert Butyl Ether | 1.0 J | 4.9 | 0.98 | ug/kg | SW846 8260B |
|-------------------------|-------|-----|------|-------|-------------|

C46475-7 B-3-5

| | | | | | |
|--------------------|--------|------|------|-------|-------------|
| Tert Butyl Alcohol | 5560 | 1800 | 450 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | 2560 J | 4500 | 2200 | ug/kg | SW846 8260B |

C46475-8 B-3-10

| | | | | | |
|--------------------|--------|------|------|-------|-------------|
| Tert Butyl Alcohol | 2980 | 1800 | 450 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | 2220 J | 4500 | 2200 | ug/kg | SW846 8260B |

C46475-9 B-3-15

| | | | | | |
|-------------------------|-------|------|-----|-------|-------------|
| Benzene | 307 J | 2300 | 230 | ug/kg | SW846 8260B |
| Ethylbenzene | 3540 | 2300 | 230 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | 2460 | 2300 | 460 | ug/kg | SW846 8260B |
| Naphthalene | 4010 | 2300 | 460 | ug/kg | SW846 8260B |

Summary of Hits

Job Number: C46475
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/11/16 thru 07/12/16

| Lab Sample ID | Client Sample ID | Result/ Analyte | RL | MDL | Units | Method |
|-------------------------|------------------|--------------------|-------|-------|-------|-------------|
| TPH-GRO (C6-C10) | | 640000 | 46000 | 23000 | ug/kg | SW846 8260B |
| C46475-10 | B-3-20 | | | | | |
| Ethylbenzene | | 532 J | 2200 | 220 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 2580 | 2200 | 430 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 8210 J | 17000 | 4300 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 150000 | 43000 | 22000 | ug/kg | SW846 8260B |
| C46475-11 | B-3-21 | | | | | |
| Benzene | | 546 J | 2300 | 230 | ug/kg | SW846 8260B |
| Ethylbenzene | | 9110 | 2300 | 230 | ug/kg | SW846 8260B |
| Xylene (total) | | 11500 | 4600 | 460 | ug/kg | SW846 8260B |
| Methyl Tert Butyl Ether | | 8200 | 2300 | 460 | ug/kg | SW846 8260B |
| Naphthalene | | 5830 | 2300 | 460 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 6490 J | 18000 | 4600 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 386000 | 46000 | 23000 | ug/kg | SW846 8260B |
| C46475-12 | B-3-25 | | | | | |
| Tert Butyl Alcohol | | 29900 | 1800 | 450 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 2490 J | 4500 | 2200 | ug/kg | SW846 8260B |
| C46475-13 | B-3-30 | | | | | |
| Methyl Tert Butyl Ether | | 40.2 | 4.8 | 0.96 | ug/kg | SW846 8260B |
| Tert Butyl Alcohol | | 14.5 J | 38 | 9.6 | ug/kg | SW846 8260B |
| TPH-GRO (C6-C10) | | 97.0 | 96 | 48 | ug/kg | SW846 8260B |
| C46475-14 | B-3-W | | | | | |
| Benzene | | 1140 | 500 | 100 | ug/l | SW846 8260B |
| Toluene | | 4.4 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | | 1340 | 500 | 100 | ug/l | SW846 8260B |
| Xylene (total) | | 784 J | 1000 | 230 | ug/l | SW846 8260B |
| Di-Isopropyl ether | | 0.28 J | 2.0 | 0.22 | ug/l | SW846 8260B |
| Methyl Tert Butyl Ether | | 21100 | 500 | 100 | ug/l | SW846 8260B |
| Tert-Amyl Methyl Ether | | 16.5 | 2.0 | 0.40 | ug/l | SW846 8260B |
| Tert-Butyl Alcohol | | 17900 | 5000 | 1200 | ug/l | SW846 8260B |
| TPH-GRO (C6-C10) | | 72500 | 25000 | 13000 | ug/l | SW846 8260B |
| C46475-15 | B-2-W | | | | | |
| Benzene | | 1280 | 50 | 10 | ug/l | SW846 8260B |

Summary of Hits

Job Number: C46475
Account: Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA
Collected: 07/11/16 thru 07/12/16

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|------|------|-------|-------------|
| | | 154 | 50 | 10 | ug/l | SW846 8260B |
| | | 575 | 50 | 10 | ug/l | SW846 8260B |
| | | 2430 | 100 | 23 | ug/l | SW846 8260B |
| | | 2.7 | 1.0 | 0.20 | ug/l | SW846 8260B |
| | | 123 J | 250 | 25 | ug/l | SW846 8260B |
| | | 51.6 | 10 | 2.4 | ug/l | SW846 8260B |
| | | 21000 | 2500 | 1300 | ug/l | SW846 8260B |

C46475-16 B-1-W

| | | | | | |
|--------------------------------------|-------|-------|-------|------|-------------|
| Benzene ^a | 233 J | 500 | 100 | ug/l | SW846 8260B |
| Toluene ^a | 3.7 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene ^a | 254 J | 500 | 100 | ug/l | SW846 8260B |
| Xylene (total) ^a | 133 | 2.0 | 0.46 | ug/l | SW846 8260B |
| Methyl Tert Butyl Ether ^a | 25100 | 500 | 100 | ug/l | SW846 8260B |
| Naphthalene ^a | 5.9 | 5.0 | 0.50 | ug/l | SW846 8260B |
| Tert-Amyl Methyl Ether ^a | 16.7 | 2.0 | 0.40 | ug/l | SW846 8260B |
| Tert-Butyl Alcohol ^a | 39000 | 5000 | 1200 | ug/l | SW846 8260B |
| TPH-GRO (C6-C10) ^a | 71100 | 25000 | 13000 | ug/l | SW846 8260B |

C46475-17 B-5-W

| | | | | | |
|-------------------------|--------|-------|-------|------|-------------|
| Benzene | 404 J | 1000 | 200 | ug/l | SW846 8260B |
| Toluene | 5.5 | 1.0 | 0.20 | ug/l | SW846 8260B |
| Ethylbenzene | 613 J | 1000 | 200 | ug/l | SW846 8260B |
| Xylene (total) | 551 J | 2000 | 460 | ug/l | SW846 8260B |
| Di-Isopropyl ether | 0.93 J | 2.0 | 0.22 | ug/l | SW846 8260B |
| Ethyl Tert Butyl Ether | 0.39 J | 2.0 | 0.22 | ug/l | SW846 8260B |
| Methyl Tert Butyl Ether | 70100 | 1000 | 200 | ug/l | SW846 8260B |
| Naphthalene | 12.2 | 5.0 | 0.50 | ug/l | SW846 8260B |
| Tert-Amyl Methyl Ether | 42.1 | 2.0 | 0.40 | ug/l | SW846 8260B |
| Tert-Butyl Alcohol | 129000 | 10000 | 2400 | ug/l | SW846 8260B |
| TPH-GRO (C6-C10) | 183000 | 50000 | 25000 | ug/l | SW846 8260B |

(a) Sample vial contained more than 0.5cm of sediment.

Sample Results

Report of Analysis

Report of Analysis

| | | |
|---|--|---|
| Client Sample ID: B-2-5 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-1 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50032.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight |
|--------|----------------|
| Run #1 | 5.32 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 4.7 | 0.47 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.7 | 0.47 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.7 | 0.47 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.4 | 0.94 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.7 | 0.47 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.7 | 0.47 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 4.7 | 0.94 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.7 | 0.94 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.7 | 0.47 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 38 | 9.4 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 94 | 47 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 93% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-2-10 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-2 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50013.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.40 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 230 | 23 | ug/kg | |
| 108-88-3 | Toluene | ND | 230 | 23 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 230 | 23 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 460 | 46 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 230 | 23 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 230 | 23 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 230 | 46 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 230 | 46 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 230 | 23 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 1900 | 460 | ug/kg | |
| | TPH-GRO (C6-C10) | 21400 | 4600 | 2300 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 87% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-2-15 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-3 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50037.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.31 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|-------|-------|---|
| 71-43-2 | Benzene | ND | 2400 | 240 | ug/kg | |
| 108-88-3 | Toluene | ND | 2400 | 240 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2400 | 240 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 4700 | 470 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 2400 | 240 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 2400 | 240 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2400 | 470 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 2400 | 470 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2400 | 240 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 19000 | 4700 | ug/kg | |
| | TPH-GRO (C6-C10) | 117000 | 47000 | 24000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-2-20 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-4 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50018.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.75 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|-------|-------|---|
| 71-43-2 | Benzene | 407 | 2200 | 220 | ug/kg | J |
| 108-88-3 | Toluene | ND | 2200 | 220 | ug/kg | |
| 100-41-4 | Ethylbenzene | 1640 | 2200 | 220 | ug/kg | J |
| 1330-20-7 | Xylene (total) | ND | 4300 | 430 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 2200 | 220 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 2200 | 220 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2200 | 430 | ug/kg | |
| 91-20-3 | Naphthalene | 486 | 2200 | 430 | ug/kg | J |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2200 | 220 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 17000 | 4300 | ug/kg | |
| | TPH-GRO (C6-C10) | 195000 | 43000 | 22000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 100% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-2-25 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-5 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50031.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| | Initial Weight |
|--------|----------------|
| Run #1 | 5.14 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 16.6 | 4.9 | 0.49 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.9 | 0.49 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.9 | 0.49 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.7 | 0.97 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.9 | 0.49 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.9 | 0.49 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 4.9 | 0.97 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.9 | 0.97 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.9 | 0.49 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 21.1 | 39 | 9.7 | ug/kg | J |
| | TPH-GRO (C6-C10) | 426 | 97 | 49 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-2-30 | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-6 | Date Received: 07/12/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50030.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight |
|--------|----------------|
| Run #1 | 5.12 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 4.9 | 0.49 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.9 | 0.49 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.9 | 0.49 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.8 | 0.98 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.9 | 0.49 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.9 | 0.49 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 1.0 | 4.9 | 0.98 | ug/kg | J |
| 91-20-3 | Naphthalene | ND | 4.9 | 0.98 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.9 | 0.49 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 39 | 9.8 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 98 | 49 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 94% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

37
3

| | |
|--|---|
| Client Sample ID: B-3-5 | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-7 | Date Received: 07/12/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50015.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.57 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 220 | 22 | ug/kg | |
| 108-88-3 | Toluene | ND | 220 | 22 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 220 | 22 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 450 | 45 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 220 | 22 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 220 | 22 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 220 | 45 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 220 | 45 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 220 | 22 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 5560 | 1800 | 450 | ug/kg | |
| | TPH-GRO (C6-C10) | 2560 | 4500 | 2200 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 86% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-3-10 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-8 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50055.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.57 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 220 | 22 | ug/kg | |
| 108-88-3 | Toluene | ND | 220 | 22 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 220 | 22 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 450 | 45 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 220 | 22 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 220 | 22 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 220 | 45 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 220 | 45 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 220 | 22 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 2980 | 1800 | 450 | ug/kg | |
| | TPH-GRO (C6-C10) | 2220 | 4500 | 2200 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 94% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 89% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-3-15 | | |
| Lab Sample ID: C46475-9 | | Date Sampled: 07/11/16 |
| Matrix: SO - Soil | | Date Received: 07/12/16 |
| Method: SW846 8260B | | Percent Solids: n/a ^a |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50039.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.44 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|-------|-------|---|
| 71-43-2 | Benzene | 307 | 2300 | 230 | ug/kg | J |
| 108-88-3 | Toluene | ND | 2300 | 230 | ug/kg | |
| 100-41-4 | Ethylbenzene | 3540 | 2300 | 230 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 4600 | 460 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 2300 | 230 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 2300 | 230 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2460 | 2300 | 460 | ug/kg | |
| 91-20-3 | Naphthalene | 4010 | 2300 | 460 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2300 | 230 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 18000 | 4600 | ug/kg | |
| | TPH-GRO (C6-C10) | 640000 | 46000 | 23000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 86% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-3-20 | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-10 | Date Received: 07/12/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50036.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.81 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|-------|-------|---|
| 71-43-2 | Benzene | ND | 2200 | 220 | ug/kg | |
| 108-88-3 | Toluene | ND | 2200 | 220 | ug/kg | |
| 100-41-4 | Ethylbenzene | 532 | 2200 | 220 | ug/kg | J |
| 1330-20-7 | Xylene (total) | ND | 4300 | 430 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 2200 | 220 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 2200 | 220 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2580 | 2200 | 430 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 2200 | 430 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2200 | 220 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 8210 | 17000 | 4300 | ug/kg | J |
| | TPH-GRO (C6-C10) | 150000 | 43000 | 22000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-3-21 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-11 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50038.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.48 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-------|-------|-------|---|
| 71-43-2 | Benzene | 546 | 2300 | 230 | ug/kg | J |
| 108-88-3 | Toluene | ND | 2300 | 230 | ug/kg | |
| 100-41-4 | Ethylbenzene | 9110 | 2300 | 230 | ug/kg | |
| 1330-20-7 | Xylene (total) | 11500 | 4600 | 460 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 2300 | 230 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 2300 | 230 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 8200 | 2300 | 460 | ug/kg | |
| 91-20-3 | Naphthalene | 5830 | 2300 | 460 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2300 | 230 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 6490 | 18000 | 4600 | ug/kg | J |
| | TPH-GRO (C6-C10) | 386000 | 46000 | 23000 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | |
|--|---|
| Client Sample ID: B-3-25 | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-12 | Date Received: 07/12/16 |
| Matrix: SO - Soil | Percent Solids: n/a ^a |
| Method: SW846 8260B | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50011.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.59 g | 5.0 ml | 100 ul |
| Run #2 | | | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 220 | 22 | ug/kg | |
| 108-88-3 | Toluene | ND | 220 | 22 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 220 | 22 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 450 | 45 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 220 | 22 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 220 | 22 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 220 | 45 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 220 | 45 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 220 | 22 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 29900 | 1800 | 450 | ug/kg | |
| | TPH-GRO (C6-C10) | 2490 | 4500 | 2200 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 99% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|---|
| Client Sample ID: B-3-30 | | Date Sampled: 07/11/16 |
| Lab Sample ID: C46475-13 | | Date Received: 07/12/16 |
| Matrix: SO - Soil | | Percent Solids: n/a ^a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | L50029.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| Run #2 | | | | | | | |

| Run # | Initial Weight |
|--------|----------------|
| Run #1 | 5.21 g |
| Run #2 | |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 4.8 | 0.48 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.8 | 0.48 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 4.8 | 0.48 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 9.6 | 0.96 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.8 | 0.48 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 4.8 | 0.48 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | 40.2 | 4.8 | 0.96 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.8 | 0.96 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 4.8 | 0.48 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | 14.5 | 38 | 9.6 | ug/kg | J |
| | TPH-GRO (C6-C10) | 97.0 | 96 | 48 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 94% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 81-115% |

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|---|--|--------------------------------|
| Client Sample ID: B-3-W | | Date Sampled: 07/12/16 |
| Lab Sample ID: C46475-14 | | Date Received: 07/12/16 |
| Matrix: AQ - Ground Water | | Percent Solids: n/a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 | R41066.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| Run #2 | R41127.D | 500 | 07/15/16 | CV | n/a | n/a | VR1584 |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------------------|-------|-------|-------|---|
| 71-43-2 | Benzene | 1140 ^a | 500 | 100 | ug/l | |
| 108-88-3 | Toluene | 4.4 | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 1340 ^a | 500 | 100 | ug/l | |
| 1330-20-7 | Xylene (total) | 784 ^a | 1000 | 230 | ug/l | J |
| 108-20-3 | Di-Isopropyl ether | 0.28 | 2.0 | 0.22 | ug/l | J |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 21100 ^a | 500 | 100 | ug/l | |
| 91-20-3 | Naphthalene | ND ^a | 2500 | 250 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | 16.5 | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 17900 ^a | 5000 | 1200 | ug/l | |
| | TPH-GRO (C6-C10) | 72500 ^a | 25000 | 13000 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | 115% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 107% | 95% | 79-114% |

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|---|--|--------------------------------|
| Client Sample ID: B-2-W | | |
| Lab Sample ID: C46475-15 | | Date Sampled: 07/12/16 |
| Matrix: AQ - Ground Water | | Date Received: 07/12/16 |
| Method: SW846 8260B | | Percent Solids: n/a |
| Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 ^a | R41067.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| Run #2 | R41175.D | 50 | 07/19/16 | CV | n/a | n/a | VR1587 |

| | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------------------|------|------|-------|---|
| 71-43-2 | Benzene | 1280 ^b | 50 | 10 | ug/l | |
| 108-88-3 | Toluene | 154 ^b | 50 | 10 | ug/l | |
| 100-41-4 | Ethylbenzene | 575 ^b | 50 | 10 | ug/l | |
| 1330-20-7 | Xylene (total) | 2430 ^b | 100 | 23 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.22 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2.7 | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | 123 ^b | 250 | 25 | ug/l | J |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 51.6 | 10 | 2.4 | ug/l | |
| | TPH-GRO (C6-C10) | 21000 ^b | 2500 | 1300 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 97% | 79-114% |

(a) Sample vial contained more than 0.5cm of sediment.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|--------------------------------|
| Client Sample ID: B-1-W | | |
| Lab Sample ID: C46475-16 | | Date Sampled: 07/12/16 |
| Matrix: AQ - Ground Water | | Date Received: 07/12/16 |
| Method: SW846 8260B | | Percent Solids: n/a |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 ^a | R41068.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| Run #2 ^a | R41096.D | 500 | 07/14/16 | CV | n/a | n/a | VR1583 |

| | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------------------|-------|-------|-------|---|
| 71-43-2 | Benzene | 233 ^b | 500 | 100 | ug/l | J |
| 108-88-3 | Toluene | 3.7 | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 254 ^b | 500 | 100 | ug/l | J |
| 1330-20-7 | Xylene (total) | 133 | 2.0 | 0.46 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.22 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 25100 ^b | 500 | 100 | ug/l | |
| 91-20-3 | Naphthalene | 5.9 | 5.0 | 0.50 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | 16.7 | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 39000 ^b | 5000 | 1200 | ug/l | |
| | TPH-GRO (C6-C10) | 71100 ^b | 25000 | 13000 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 118% | 80-123% |
| 2037-26-5 | Toluene-D8 | 100% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 93% | 79-114% |

(a) Sample vial contained more than 0.5cm of sediment.

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | |
|--|--|--------------------------------|
| Client Sample ID: B-5-W | | Date Sampled: 07/12/16 |
| Lab Sample ID: C46475-17 | | Date Received: 07/12/16 |
| Matrix: AQ - Ground Water | | Percent Solids: n/a |
| Method: SW846 8260B | | |
| Project: T10000008568-CCCAD: Quik Stop #51, Oakland, CA | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|------|----------|----|-----------|------------|------------------|
| Run #1 | R41069.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| Run #2 | R41152.D | 1000 | 07/18/16 | CV | n/a | n/a | VR1586 |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 10.0 ml |
| Run #2 | 10.0 ml |

BTEX, Oxygenates

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|---------------------|-------|-------|-------|---|
| 71-43-2 | Benzene | 404 ^a | 1000 | 200 | ug/l | J |
| 108-88-3 | Toluene | 5.5 | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 613 ^a | 1000 | 200 | ug/l | J |
| 1330-20-7 | Xylene (total) | 551 ^a | 2000 | 460 | ug/l | J |
| 108-20-3 | Di-Isopropyl ether | 0.93 | 2.0 | 0.22 | ug/l | J |
| 637-92-3 | Ethyl Tert Butyl Ether | 0.39 | 2.0 | 0.22 | ug/l | J |
| 1634-04-4 | Methyl Tert Butyl Ether | 70100 ^a | 1000 | 200 | ug/l | |
| 91-20-3 | Naphthalene | 12.2 | 5.0 | 0.50 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | 42.1 | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | 129000 ^a | 10000 | 2400 | ug/l | |
| | TPH-GRO (C6-C10) | 183000 ^a | 50000 | 25000 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 109% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 95% | 79-114% |

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

| PROJECT NO. 12216-1 | | PROJECT NAME/SITE Quit stop #51 OAKLAND, CA | | | | ANALYSIS REQUESTED | | | | | | | | | | P.O. #: | | | |
|--|--------|---|-------------|---------------------------------|------|---|------------|--|----------------|-------------|----------------|------------|------------|-----------------|---------|----------|----------|---------|-----------------|
| SAMPLERS <i>Gary R. Mulkey</i> (SIGN) / (PRINT) <i>GARY R. MULKEY</i> | | SAMPLE IDENTIFICATION | DATE | TIME | COMP | GRAB | PRES. USED | ICED | NO. CONTAINERS | SAMPLE TYPE | BTX (802/8020) | TPH (8015) | TPH (8015) | TOC 418 / 15320 | 8018010 | 824/8240 | 825/8270 | REMARKS | |
| 1 | B-2-5 | | | | | | | | | | 7/14/16 | 8:30 | X | | none | X | 1 | S | X |
| 2 | B-2-10 | 7/14/16 | 8:35 | X | | | X | 1 | S | X | X | | | | | | | | GCM |
| 3 | B-2-15 | 7/14/16 | 8:40 | X | | | X | 1 | S | X | X | | | | | | | | |
| 4 | B-2-20 | 7/14/16 | 8:55 | X | | | X | 1 | S | X | X | | | | | | | | |
| 5 | B-2-25 | 7/14/16 | 9:10 | X | | | X | 1 | S | X | X | | | | | | | | |
| 6 | B-2-30 | 7/14/16 | 9:30 | X | | | X | 1 | S | X | X | | | | | | | | |
| 7 | B-3-5 | 7/14/16 | 10:25 | X | | | X | 1 | S | X | X | | | | | | | | |
| 8 | B-3-10 | 7/14/16 | 10:30 | X | | | X | 1 | S | X | X | | | | | | | | |
| 9 | B-3-15 | 7/14/16 | 10:35 | X | | | X | 1 | S | X | X | | | | | | | | |
| 10 | B-3-20 | 7/14/16 | 10:40 | X | | | X | 1 | S | X | X | | | | | | | | |
| 11 | B-3-21 | 7/14/16 | 10:50 | X | | | X | 1 | S | X | X | | | | | | | | pre paid EDF |
| 12 | B-3-25 | 7/14/16 | 11:05 | X | | | X | 1 | S | X | X | | | | | | | | Global E.D.F. # |
| 13 | B-3-30 | 7/14/16 | 11:15 | X | | ✓ | X | 1 | S | X | X | | | | | | | | T10000008568 |
| 14 | B-3-4 | 7/12/16 | 8:45 | X | | HCL | X | 3 | W | X | X | | | | | | | | |
| 15 | B-2-4 | 7/12/16 | 8:55 | X | | HCL | X | 3 | W | X | X | | | | | | | | |
| RELINQUISHED BY: <i>Gary R. Mulkey</i> | | DATE: 7/13/16 | TIME: 11:15 | RECEIVED BY: <i>Mike Storch</i> | | LABORATORY: 565 Accutest Laboratories San Jose, CA | | PLEASE SEND RESULTS TO: Compliance & Closure, Inc. 4115 Blackhawk Plaza Circle Suite 100 Danville, CA 94506 (925) 648-2008 Fax (925) 292-4565 gary @ cci-envr.com | | | | | | | | | | | |
| RELINQUISHED BY: <i>Mike Storch</i> | | DATE: 7/12/16 | TIME: 12:50 | RECEIVED BY: <i>Lee B...</i> | | REQUESTED TURNAROUND TIME: <i>standard</i> | | PROJECT MANAGER: Attn: Mr. Gary Mulkey | | | | | | | | | | | |
| RELINQUISHED BY: | | DATE: | TIME: | RECEIVED BY LABORATORY: | | RECEIPT CONDITION: <i>TEMP = 4.0/5.0</i> | | | | | | | | | | | | | |

4.1
4

150
1/11

| PROJECT NO. 12216-1 | | PROJECT NAME/SITE Quik stop #51 OAKLAND, CA | | ANALYSIS REQUESTED | | | | | | | | | | P.O. #. | | | | |
|--|-------|---|---------------|--------------------------------------|------|--|------|----------------|-------------|--|-------------|-------------|----------------|----------|----------|----------|---------|---|
| SAMPLERS <i>Gary R. Mulkey</i> (SIGN) / <i>Gary R. Mulkey</i> (PRINT) | | DATE | TIME | COMP | GRAB | PRES. USED | ICED | NO. CONTAINERS | SAMPLE TYPE | BTEX (602/6020) | TPHg (6015) | TPHd (6015) | TOC 418 1/6320 | 601/6010 | 624/6240 | 623/6270 | REMARKS | |
| 16 | B-1-W | | | | | | | | | 7/12/16 | 9:15 | | X | HCL | X | 3 | W | X |
| 17 | B-5-W | 7/12/16 | 10:15 | | X | HCL | X | 3 | W | X | X | | | | | X | X | GCMS |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Prepare EDF Global I.D. # T1000000 8568 |
| RELINQUISHED BY: <i>Gary R. Mulkey</i> | | DATE 7/12/16 | TIME 11:15 | RECEIVED BY: <i>Mike Lombardi</i> | | LABORATORY: SGS Accutest Laboratory San Jose, CA | | | | PLEASE SEND RESULTS TO: Compliance & Closure, Inc. 4115 Blackhawk Plaza Circle Suite 100 Danville, CA 94506 (925) 648-2008 Fax (925) 292-4565 gary @ cci-envr.com | | | | | | | | |
| RELINQUISHED BY: <i>Mike Lombardi</i> | | DATE 7/12/16 | TIME 12:50 | RECEIVED BY: <i>Lea</i> | | REQUESTED TURNAROUND TIME <i>Standard</i> | | | | | | | | | | | | |
| RELINQUISHED BY: | | DATE: | TIME: | RECEIVED BY LABORATORY: | | RECEIPT CONDITION: | | | | PROJECT MANAGER: Attn: Mr. Gary Mulkey | | | | | | | | |

4.1
4

SGS Accutest Sample Receipt Summary

Job Number: C46475

Client: COMPLIANCE & CLOSURE

Project: QUIK STOP #51 OAKLAND, CA

Date / Time Received: 7/12/2016 12:50:00 PM

Delivery Method: Accutest Courier

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (4/5):

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Therm ID: | IR3; | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

C46475: Chain of Custody

Page 3 of 3

4.1
4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1582-MB | R41050.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14, C46475-15, C46475-16, C46475-17

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.22 | ug/l | |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.50 | ug/l | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 2.0 | 0.40 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | 79-114% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1500-MB | L50004.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-2, C46475-4, C46475-7, C46475-12

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) ^a | 53.9 | 100 | 50 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | 72-140% |
| 2037-26-5 | Toluene-D8 | 99% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 81-115% |

(a) No gasoline pattern present.

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1501-MB | L50028.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-1, C46475-3, C46475-5, C46475-6, C46475-9, C46475-10, C46475-11, C46475-13

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 100 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 88% | 81-115% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1583-MB | R41082.D | 1 | 07/14/16 | CV | n/a | n/a | VR1583 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-16

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.20 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| | TPH-GRO (C6-C10) | ND | 50 | 25 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 79-114% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VL1502-MB | L50054.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-8

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 5.0 | 0.50 | ug/kg | |
| 108-20-3 | Di-Isopropyl ether | ND | 5.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 0.50 | ug/kg | |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 1.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 5.0 | 1.0 | ug/kg | |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 5.0 | 0.50 | ug/kg | |
| 75-65-0 | Tert Butyl Alcohol | ND | 40 | 10 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 10 | 1.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 100 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 87% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 81-115% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1584-MB | R41109.D | 1 | 07/15/16 | CV | n/a | n/a | VR1584 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.20 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.50 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |
| | TPH-GRO (C6-C10) | ND | 50 | 25 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | 79-114% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1586-MB | R41140.D | 1 | 07/18/16 | CV | n/a | n/a | VR1586 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-17

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.20 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.20 | ug/l | |
| 75-65-0 | Tert-Butyl Alcohol | ND | 10 | 2.4 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |
| | TPH-GRO (C6-C10) | ND | 50 | 25 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 106% 80-123% |
| 2037-26-5 | Toluene-D8 | 105% 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 94% 79-114% |

Method Blank Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| VR1587-MB | R41170.D | 1 | 07/19/16 | CV | n/a | n/a | VR1587 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-15

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.20 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.50 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.46 | ug/l | |
| | TPH-GRO (C6-C10) | ND | 50 | 25 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | 79-114% |

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1500-BS | L49998.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| VL1500-BSD | L49999.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-2, C46475-4, C46475-7, C46475-12

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------|-----------|-------|-----------|-------|-----|----------------|
| 71-43-2 | Benzene | 40 | 43.1 | 108 | 43.4 | 109 | 1 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 35.9 | 90 | 35.1 | 88 | 2 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 44.7 | 112 | 45.3 | 113 | 1 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 36.2 | 91 | 35.8 | 90 | 1 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 34.9 | 87 | 34.5 | 86 | 1 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 41.2 | 103 | 43.4 | 109 | 5 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 38.2 | 96 | 37.7 | 94 | 1 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 187 | 94 | 194 | 97 | 4 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 44.9 | 112 | 45.0 | 113 | 0 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 135 | 113 | 137 | 114 | 1 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|-----|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | 89% | 72-140% |
| 2037-26-5 | Toluene-D8 | 98% | 97% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 94% | 81-115% |

* = Outside of Control Limits.

5.2.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1582-BS | R41047.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| VR1582-BSD | R41048.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14, C46475-15, C46475-16, C46475-17

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------|----------|-------|----------|-------|-----|----------------|
| 108-20-3 | Di-Isopropyl ether | 20 | 21.7 | 109 | 20.9 | 105 | 4 | 69-126/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | 20 | 21.0 | 105 | 20.3 | 102 | 3 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 19.4 | 97 | 18.9 | 95 | 3 | 73-120/10 |
| 91-20-3 | Naphthalene | 20 | 18.9 | 95 | 18.7 | 94 | 1 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | 20 | 20.8 | 104 | 20.2 | 101 | 3 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 100 | 100 | 99.1 | 99 | 1 | 52-148/18 |
| 108-88-3 | Toluene | 20 | 19.8 | 99 | 19.4 | 97 | 2 | 78-121/10 |
| 1330-20-7 | Xylene (total) | 60 | 58.3 | 97 | 57.5 | 96 | 1 | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 110% | 109% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 99% | 79-114% |

* = Outside of Control Limits.

5.2.2
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1501-BS | L50025.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| VL1501-BSD | L50026.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |

The QC reported here applies to the following samples: **Method:** SW846 8260B

C46475-1, C46475-3, C46475-5, C46475-6, C46475-9, C46475-10, C46475-11, C46475-13

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 40 | 43.1 | 108 | 42.8 | 107 | 1 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 35.2 | 88 | 33.7 | 84 | 4 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 44.3 | 111 | 42.6 | 107 | 4 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 37.1 | 93 | 34.8 | 87 | 6 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 37.1 | 93 | 34.3 | 86 | 8 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 45.9 | 115 | 42.6 | 107 | 7 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 39.7 | 99 | 37.4 | 94 | 6 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 231 | 116 | 194 | 97 | 17 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 44.2 | 111 | 43.0 | 108 | 3 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 136 | 113 | 131 | 109 | 4 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|-----|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 94% | 91% | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 94% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 93% | 90% | 81-115% |

* = Outside of Control Limits.

5.2.3
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1583-BS | R41078.D | 1 | 07/14/16 | CV | n/a | n/a | VR1583 |
| VR1583-BSD | R41080.D | 1 | 07/14/16 | CV | n/a | n/a | VR1583 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-16

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 20 | 17.9 | 90 | 18.9 | 95 | 5 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 20 | 18.1 | 91 | 19.0 | 95 | 5 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 17.2 | 86 | 17.7 | 89 | 3 | 73-120/10 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 95.3 | 95 | 89.8 | 90 | 6 | 52-148/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 101% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 79-114% |

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1502-BS | L50051.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |
| VL1502-BSD | L50052.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-8

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 40 | 41.4 | 104 | 44.0 | 110 | 6 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | 40 | 31.5 | 79 | 34.1 | 85 | 8 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 40 | 42.1 | 105 | 43.3 | 108 | 3 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | 40 | 33.1 | 83 | 35.8 | 90 | 8 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40 | 32.5 | 81 | 35.0 | 88 | 7 | 68-121/19 |
| 91-20-3 | Naphthalene | 40 | 40.4 | 101 | 42.4 | 106 | 5 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | 40 | 35.2 | 88 | 38.0 | 95 | 8 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 200 | 176 | 88 | 182 | 91 | 3 | 50-163/30 |
| 108-88-3 | Toluene | 40 | 41.3 | 103 | 43.2 | 108 | 4 | 72-116/18 |
| 1330-20-7 | Xylene (total) | 120 | 128 | 107 | 133 | 111 | 4 | 68-118/18 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|-----|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | 92% | 72-140% |
| 2037-26-5 | Toluene-D8 | 93% | 92% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 91% | 81-115% |

* = Outside of Control Limits.

5.2.5
 5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1584-BS | R41106.D | 1 | 07/15/16 | CV | n/a | n/a | VR1584 |
| VR1584-BSD | R41107.D | 1 | 07/15/16 | CV | n/a | n/a | VR1584 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------|----------|-------|----------|-------|-----|----------------|
| 71-43-2 | Benzene | 20 | 20.4 | 102 | 20.5 | 103 | 0 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 20 | 20.6 | 103 | 20.7 | 104 | 0 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 19.1 | 96 | 19.4 | 97 | 2 | 73-120/10 |
| 91-20-3 | Naphthalene | 20 | 19.0 | 95 | 19.2 | 96 | 1 | 66-120/12 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 106 | 106 | 110 | 110 | 4 | 52-148/18 |
| 1330-20-7 | Xylene (total) | 60 | 59.0 | 98 | 59.7 | 100 | 1 | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | 109% | 80-123% |
| 2037-26-5 | Toluene-D8 | 102% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 100% | 79-114% |

* = Outside of Control Limits.

5.2.6
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1586-BS | R41137.D | 1 | 07/18/16 | CV | n/a | n/a | VR1586 |
| VR1586-BSD | R41138.D | 1 | 07/18/16 | CV | n/a | n/a | VR1586 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-17

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 20 | 18.9 | 95 | 19.0 | 95 | 1 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 20 | 18.9 | 95 | 19.2 | 96 | 2 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20 | 17.7 | 89 | 17.6 | 88 | 1 | 73-120/10 |
| 75-65-0 | Tert-Butyl Alcohol | 100 | 89.9 | 90 | 94.6 | 95 | 5 | 52-148/18 |
| 1330-20-7 | Xylene (total) | 60 | 54.6 | 91 | 54.8 | 91 | 0 | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 107% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 100% | 79-114% |

* = Outside of Control Limits.

5.2.7
 5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1587-BS | R41167.D | 1 | 07/19/16 | CV | n/a | n/a | VR1587 |
| VR1587-BSD | R41168.D | 1 | 07/19/16 | CV | n/a | n/a | VR1587 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-15

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|-----------|----------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 20 | 19.4 | 97 | 18.9 | 95 | 3 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 20 | 20.0 | 100 | 19.5 | 98 | 3 | 78-123/10 |
| 91-20-3 | Naphthalene | 20 | 18.6 | 93 | 18.3 | 92 | 2 | 66-120/12 |
| 108-88-3 | Toluene | 20 | 19.5 | 98 | 18.9 | 95 | 3 | 78-121/10 |
| 1330-20-7 | Xylene (total) | 60 | 58.0 | 97 | 56.4 | 94 | 3 | 78-122/10 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 101% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 101% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 79-114% |

* = Outside of Control Limits.

5.2.8
 5

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1500-LCS | L50000.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-2, C46475-4, C46475-7, C46475-12

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 286 | 114 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 81-115% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1582-LCS | R41049.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14, C46475-15, C46475-16, C46475-17

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|----------|---------------|-------------|----------|--------|
|---------|----------|---------------|-------------|----------|--------|

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 79-114% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1501-LCS | L50027.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-1, C46475-3, C46475-5, C46475-6, C46475-9, C46475-10, C46475-11, C46475-13

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 272 | 109 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 87% | 72-140% |
| 2037-26-5 | Toluene-D8 | 97% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 81-115% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1583-LCS | R41079.D | 1 | 07/14/16 | CV | n/a | n/a | VR1583 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-16

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|------------------|---------------|-------------|----------|--------|
| | TPH-GRO (C6-C10) | 125 | 138 | 110 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 79-114% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VL1502-LCS | L50053.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-8

| CAS No. | Compound | Spike ug/kg | LCS ug/kg | LCS % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 250 | 266 | 106 | 70-123 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 72-140% |
| 2037-26-5 | Toluene-D8 | 94% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | 81-115% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1584-LCS | R41108.D | 1 | 07/15/16 | CV | n/a | n/a | VR1584 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|------------------|---------------|-------------|----------|--------|
| | TPH-GRO (C6-C10) | 125 | 146 | 117 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 79-114% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1586-LCS | R41139.D | 1 | 07/18/16 | CV | n/a | n/a | VR1586 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-17

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|------------------|---------------|-------------|----------|--------|
| | TPH-GRO (C6-C10) | 125 | 140 | 112 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | 80-123% |
| 2037-26-5 | Toluene-D8 | 104% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 79-114% |

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| VR1587-LCS | R41169.D | 1 | 07/19/16 | CV | n/a | n/a | VR1587 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-15

| CAS No. | Compound | Spike ug/l | LCS ug/l | LCS % | Limits |
|---------|------------------|---------------|-------------|----------|--------|
| | TPH-GRO (C6-C10) | 125 | 138 | 110 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | 80-123% |
| 2037-26-5 | Toluene-D8 | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 79-114% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------------------|----------|----|----------|----|-----------|------------|------------------|
| C46475-13MS | L50016.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| C46475-13MSD | L50017.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |
| C46475-13 ^a | L50008.D | 1 | 07/13/16 | JT | n/a | n/a | VL1500 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-2, C46475-4, C46475-7, C46475-12

| CAS No. | Compound | C46475-13 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD | |
|-----------|-------------------------|--------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|-----------|
| 71-43-2 | Benzene | ND | | 1910 | 2130 | 112 | 1910 | 2040 | 107 | 4 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | | 1910 | 1790 | 94 | 1910 | 1670 | 88 | 7 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | | 1910 | 2110 | 111 | 1910 | 2040 | 107 | 3 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | | 1910 | 1800 | 94 | 1910 | 1680 | 88 | 7 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 61.5 | J | 1910 | 1750 | 88 | 1910 | 1660 | 84 | 5 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | | 1910 | 1930 | 101 | 1910 | 1940 | 102 | 1 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 1910 | 1870 | 98 | 1910 | 1760 | 92 | 6 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | ND | | 9540 | 7180 | 75 | 9540 | 8170 | 86 | 13 | 50-163/30 |
| 108-88-3 | Toluene | ND | | 1910 | 2120 | 111 | 1910 | 2040 | 107 | 4 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | | 5730 | 6390 | 112 | 5730 | 6170 | 108 | 4 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-13 | Limits |
|-----------|----------------------|-----|-----|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | 90% | | 72-140% |
| 2037-26-5 | Toluene-D8 | 95% | 95% | | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 92% | | 81-115% |

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46478-5MS | R41070.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| C46478-5MSD | R41071.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |
| C46478-5 | R41053.D | 1 | 07/13/16 | CV | n/a | n/a | VR1582 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14, C46475-15, C46475-16, C46475-17

| CAS No. | Compound | C46478-5 ug/l | Spike Q ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|------------------|--------------------|------------|---------|---------------|-------------|----------|--------|-------------------|
| 108-20-3 | Di-Isopropyl ether | ND | 20 | 18.3 | 92 | 20 | 18.5 | 93 | 1 | 69-126/10 |
| 637-92-3 | Ethyl Tert Butyl Ether | ND | 20 | 18.3 | 92 | 20 | 18.5 | 93 | 1 | 75-126/11 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 20 | 20.5 | 103 | 20 | 18.1 | 91 | 12* a | 73-120/10 |
| 91-20-3 | Naphthalene | ND | 20 | 18.5 | 93 | 20 | 18.5 | 93 | 0 | 66-120/12 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 20 | 18.4 | 92 | 20 | 18.6 | 93 | 1 | 77-126/10 |
| 75-65-0 | Tert-Butyl Alcohol | ND | 100 | 336 | 336* a | 100 | 105 | 105 | 105* a | 52-148/18 |
| 108-88-3 | Toluene | ND | 20 | 20.1 | 101 | 20 | 20.0 | 100 | 0 | 78-121/10 |
| 1330-20-7 | Xylene (total) | ND | 60 | 59.0 | 98 | 60 | 58.2 | 97 | 1 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46478-5 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | 97% | 103% | 80-123% |
| 2037-26-5 | Toluene-D8 | 101% | 101% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 96% | 97% | 79-114% |

(a) Outside laboratory control limits.

* = Outside of Control Limits.

5.4.2
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|----------|----|----------|----|-----------|------------|------------------|
| C46475-10MS | L50042.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| C46475-10MSD | L50043.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |
| C46475-10 | L50036.D | 1 | 07/14/16 | JT | n/a | n/a | VL1501 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-1, C46475-3, C46475-5, C46475-6, C46475-9, C46475-10, C46475-11, C46475-13

| CAS No. | Compound | C46475-10 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD | |
|-----------|-------------------------|--------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|-----------|
| 71-43-2 | Benzene | ND | | 17200 | 18400 | 107 | 17200 | 18700 | 109 | 2 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | | 17200 | 13900 | 81 | 17200 | 14200 | 83 | 2 | 69-122/19 |
| 100-41-4 | Ethylbenzene | 532 | J | 17200 | 18900 | 107 | 17200 | 18900 | 107 | 0 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | | 17200 | 14400 | 84 | 17200 | 14900 | 87 | 3 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | 2580 | | 17200 | 16500 | 81 | 17200 | 17000 | 84 | 3 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | | 17200 | 17800 | 103 | 17200 | 17400 | 101 | 2 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | | 17200 | 15300 | 89 | 17200 | 15700 | 91 | 3 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 8210 | J | 86100 | 81400 | 85 | 86100 | 78500 | 82 | 4 | 50-163/30 |
| 108-88-3 | Toluene | ND | | 17200 | 18600 | 108 | 17200 | 18800 | 109 | 1 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | | 51600 | 56700 | 110 | 51600 | 57000 | 110 | 1 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-10 | Limits |
|-----------|----------------------|-----|-----|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 89% | 90% | 72-140% |
| 2037-26-5 | Toluene-D8 | 96% | 94% | 95% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | 90% | 92% | 81-115% |

* = Outside of Control Limits.

5.4.3
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------------------|----------|-----|----------|----|-----------|------------|------------------|
| C46475-16MS | R41100.D | 500 | 07/15/16 | CV | n/a | n/a | VR1583 |
| C46475-16MSD | R41101.D | 500 | 07/15/16 | CV | n/a | n/a | VR1583 |
| C46475-16 ^a | R41096.D | 500 | 07/14/16 | CV | n/a | n/a | VR1583 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-16

| CAS No. | Compound | C46475-16 ug/l | Spike Q ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD | |
|-----------|-------------------------|-------------------|--------------------|------------|---------|---------------|-------------|----------|-----|-------------------|-----------|
| 71-43-2 | Benzene | 233 | J | 10000 | 9850 | 96 | 10000 | 10300 | 101 | 4 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 254 | J | 10000 | 9660 | 94 | 10000 | 10100 | 98 | 4 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 25100 | | 10000 | 33900 | 88 | 10000 | 33600 | 85 | 1 | 73-120/10 |
| 75-65-0 | Tert-Butyl Alcohol | 39000 | | 50000 | 96000 | 114 | 50000 | 98400 | 119 | 2 | 52-148/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-16 | Limits |
|-----------|----------------------|------|------|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 117% | 116% | 118% | 80-123% |
| 2037-26-5 | Toluene-D8 | 100% | 101% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 99% | 93% | 79-114% |

(a) Sample vial contained more than 0.5cm of sediment.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| C46475-8MS | L50056.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |
| C46475-8MSD | L50057.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |
| C46475-8 | L50055.D | 1 | 07/15/16 | JT | n/a | n/a | VL1502 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-8

| CAS No. | Compound | C46475-8 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|---------------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 1800 | 1820 | 101 | 1800 | 1920 | 107 | 5 | 72-122/18 |
| 108-20-3 | Di-Isopropyl ether | ND | 1800 | 1430 | 80 | 1800 | 1530 | 85 | 7 | 69-122/19 |
| 100-41-4 | Ethylbenzene | ND | 1800 | 1830 | 102 | 1800 | 1930 | 108 | 5 | 71-118/18 |
| 637-92-3 | Ethyl tert-Butyl Ether | ND | 1800 | 1500 | 84 | 1800 | 1600 | 89 | 6 | 69-125/19 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1800 | 1470 | 82 | 1800 | 1560 | 87 | 6 | 68-121/19 |
| 91-20-3 | Naphthalene | ND | 1800 | 1850 | 103 | 1800 | 1900 | 106 | 3 | 68-129/22 |
| 994-05-8 | Tert-Amyl Methyl Ether | ND | 1800 | 1580 | 88 | 1800 | 1680 | 94 | 6 | 70-129/20 |
| 75-65-0 | Tert Butyl Alcohol | 2980 | 8980 | 9840 | 76 | 8980 | 10800 | 87 | 9 | 50-163/30 |
| 108-88-3 | Toluene | ND | 1800 | 1840 | 102 | 1800 | 1940 | 108 | 5 | 72-116/18 |
| 1330-20-7 | Xylene (total) | ND | 5390 | 5640 | 105 | 5390 | 5990 | 111 | 6 | 68-118/18 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-8 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | 88% | 92% | 72-140% |
| 2037-26-5 | Toluene-D8 | 91% | 92% | 94% | 87-113% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 91% | 89% | 81-115% |

* = Outside of Control Limits.

5.4.5
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|----------|-----|----------|----|-----------|------------|------------------|
| C46475-14MS | R41128.D | 500 | 07/15/16 | CV | n/a | n/a | VR1584 |
| C46475-14MSD | R41129.D | 500 | 07/15/16 | CV | n/a | n/a | VR1584 |
| C46475-14 | R41127.D | 500 | 07/15/16 | CV | n/a | n/a | VR1584 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-14

| CAS No. | Compound | C46475-14 ug/l | Spike Q ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|--------------------|------------|---------|---------------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 1140 | 10000 | 11700 | 106 | 10000 | 11800 | 107 | 1 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 1340 | 10000 | 11700 | 104 | 10000 | 11900 | 106 | 2 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 21100 | 10000 | 29800 | 87 | 10000 | 30600 | 95 | 3 | 73-120/10 |
| 91-20-3 | Naphthalene | ND | 10000 | 9650 | 97 | 10000 | 9850 | 99 | 2 | 66-120/12 |
| 75-65-0 | Tert-Butyl Alcohol | 17900 | 50000 | 68000 | 100 | 50000 | 73200 | 111 | 7 | 52-148/18 |
| 1330-20-7 | Xylene (total) | 784 | J 30000 | 30600 | 99 | 30000 | 31000 | 101 | 1 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-14 | Limits |
|-----------|----------------------|------|------|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 118% | 113% | 115% | 80-123% |
| 2037-26-5 | Toluene-D8 | 106% | 101% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 99% | 95% | 79-114% |

* = Outside of Control Limits.

5.4.6
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|----------|------|----------|----|-----------|------------|------------------|
| C46475-17MS | R41160.D | 1000 | 07/18/16 | CV | n/a | n/a | VR1586 |
| C46475-17MSD | R41161.D | 1000 | 07/18/16 | CV | n/a | n/a | VR1586 |
| C46475-17 | R41152.D | 1000 | 07/18/16 | CV | n/a | n/a | VR1586 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-17

| CAS No. | Compound | C46475-17 ug/l | Spike Q | ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|-------------------------|-------------------|------------|--------|------------|---------|---------------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 404 | J | 20000 | 19400 | 95 | 20000 | 19000 | 93 | 2 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 613 | J | 20000 | 20600 | 100 | 20000 | 19800 | 96 | 4 | 78-123/10 |
| 1634-04-4 | Methyl Tert Butyl Ether | 70100 | | 20000 | 78400 | 42* a | 20000 | 78300 | 41* a | 0 | 73-120/10 |
| 75-65-0 | Tert-Butyl Alcohol | 129000 | | 100000 | 231000 | 102 | 100000 | 230000 | 101 | 0 | 52-148/18 |
| 1330-20-7 | Xylene (total) | 551 | J | 60000 | 59500 | 98 | 60000 | 57100 | 94 | 4 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-17 | Limits |
|-----------|----------------------|------|------|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 100% | 109% | 80-123% |
| 2037-26-5 | Toluene-D8 | 99% | 99% | 102% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 97% | 95% | 79-114% |

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

5.4.7
 5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C46475
Account: QSMCAF Quick Stop Markets
Project: T10000008568-CCCAD:Quik Stop #51, Oakland, CA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|----------|----|----------|----|-----------|------------|------------------|
| C46475-15MS | R41189.D | 50 | 07/19/16 | CV | n/a | n/a | VR1587 |
| C46475-15MSD | R41190.D | 50 | 07/19/16 | CV | n/a | n/a | VR1587 |
| C46475-15 | R41175.D | 50 | 07/19/16 | CV | n/a | n/a | VR1587 |

The QC reported here applies to the following samples:

Method: SW846 8260B

C46475-15

| CAS No. | Compound | C46475-15 ug/l | Spike Q ug/l | MS ug/l | MS % | Spike ug/l | MSD ug/l | MSD % | RPD | Limits Rec/RPD | |
|-----------|----------------|-------------------|--------------------|------------|---------|---------------|-------------|----------|-----|-------------------|-----------|
| 71-43-2 | Benzene | 1280 | | 1000 | 2290 | 101 | 1000 | 2240 | 96 | 2 | 76-120/10 |
| 100-41-4 | Ethylbenzene | 575 | | 1000 | 1590 | 102 | 1000 | 1580 | 101 | 1 | 78-123/10 |
| 91-20-3 | Naphthalene | 123 | J | 1000 | 1110 | 99 | 1000 | 1090 | 97 | 2 | 66-120/12 |
| 108-88-3 | Toluene | 154 | | 1000 | 1130 | 98 | 1000 | 1130 | 98 | 0 | 78-121/10 |
| 1330-20-7 | Xylene (total) | 2430 | | 3000 | 5450 | 101 | 3000 | 5420 | 100 | 1 | 78-122/10 |

| CAS No. | Surrogate Recoveries | MS | MSD | C46475-15 | Limits |
|-----------|----------------------|------|------|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 102% | 106% | 80-123% |
| 2037-26-5 | Toluene-D8 | 99% | 100% | 103% | 88-112% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 97% | 79-114% |

* = Outside of Control Limits.

5.4.8
 5