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.

Roger Batra

Mr. Roger Batra

Date August 8, 2016

4115 Blackhawk Plaza Circle, Suite 100, Danville, CA 94506 (925) 648-2008 Fax (925) 648-2797

Compliance & Closure, Inc.

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.

Gary R. Mulkey, P.G. 5842

Professional Geologist
Gary R. Mulkey
NO. 5842
State of California

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 to183,000 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.

Quik Stop No. 51
CCI Project No. 12216-1

7/26/2016

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[2]	<190	<190	<190	<370	<190	6370	<190	<190	<190	<190
B-1-10	6/27/2016	10	3180[2]	<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-3-25	7/11/2016	25	2490[2]	<220	<220	<220	<450	<220	29900	<220	<220	<220	<220
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	12700[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

Quik Stop No. 51
CCI Project No. 12216-1

7/26/2016

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	Result is from Run # 2

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

Quik Stop No. 51
CCI Project No. 12216-1

26-Jul-16

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(3)	233(1,3)	3.7	254(1,3)	133	25100(3)	39000(3)	<2	16.7	<2	5.9
B-2-W	7/12/2016	21000(3)	1280(3)	154(3)	575(3)	2430(3)	2.7	51.6	<2	<2	<2	123(3)
B-3-W	7/12/2016	72500(3)	1140(3)	4.4	1340(3)	784(1,3)	21100(3)	17900(3)	0.28(1)	16.5	<2	<2500(3)
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(3)	404(1,3)	5.5	613(1,3)	551(1,3)	70100(3)	129000(3)	0.93(1)	42.1	0.39(1)	12.2
B-W-6	7/5/2016	2790(3)	365(3)	2.9	110(3)	153	52.8	354	0.28(1)	<2	<2	4.5(1)

Foot Notes

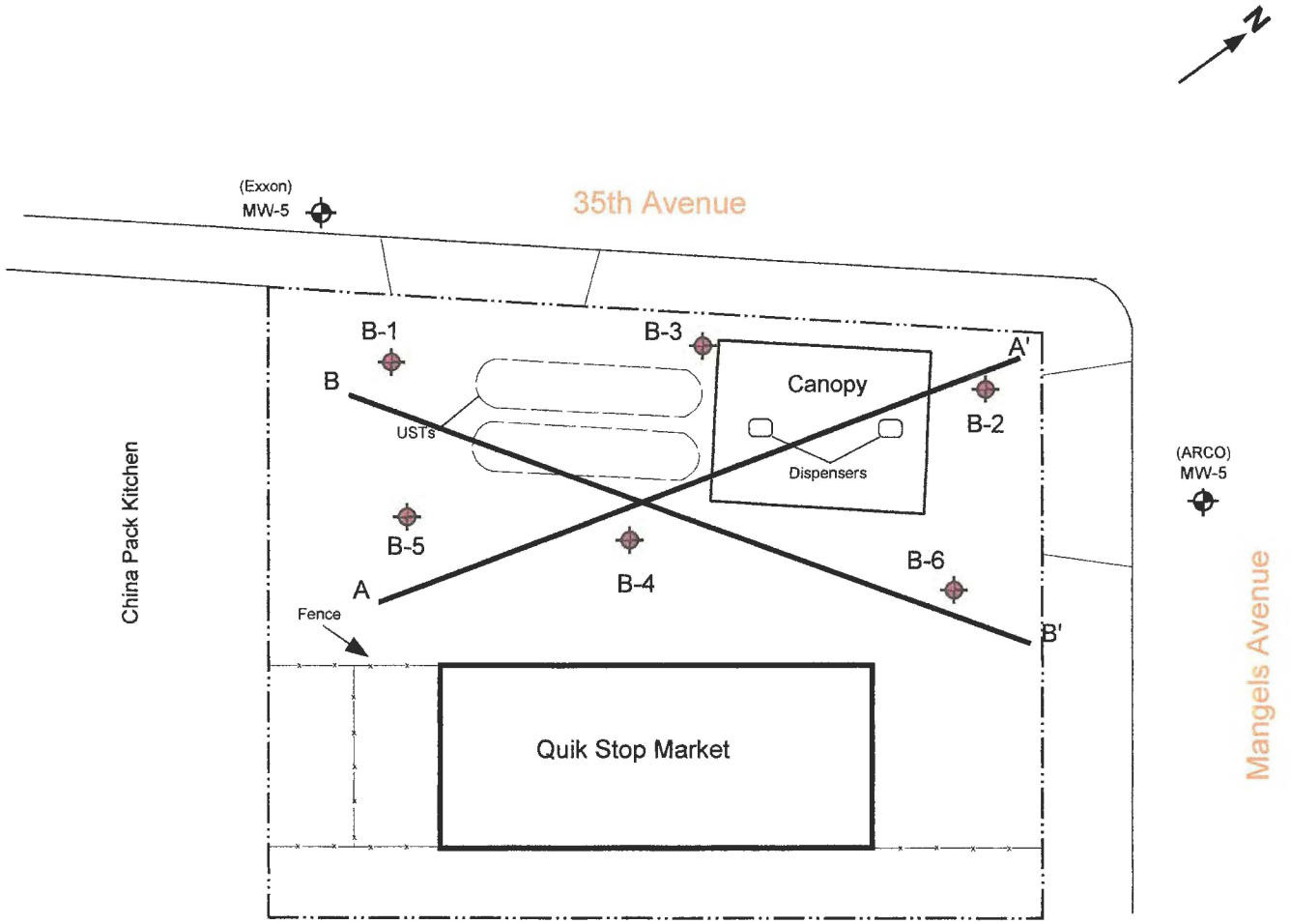
1	Indicates an estimated value below laboratory reporting limit
2	Indicates analyte found in associated method blank
3	Result is from Run # 2

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	**VICINITY MAP**	**Compliance & Closure, Inc.**
Approved By: GM	**Quik Stop Market No. 51** **3130 35th Avenue** **Oakland, California**	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

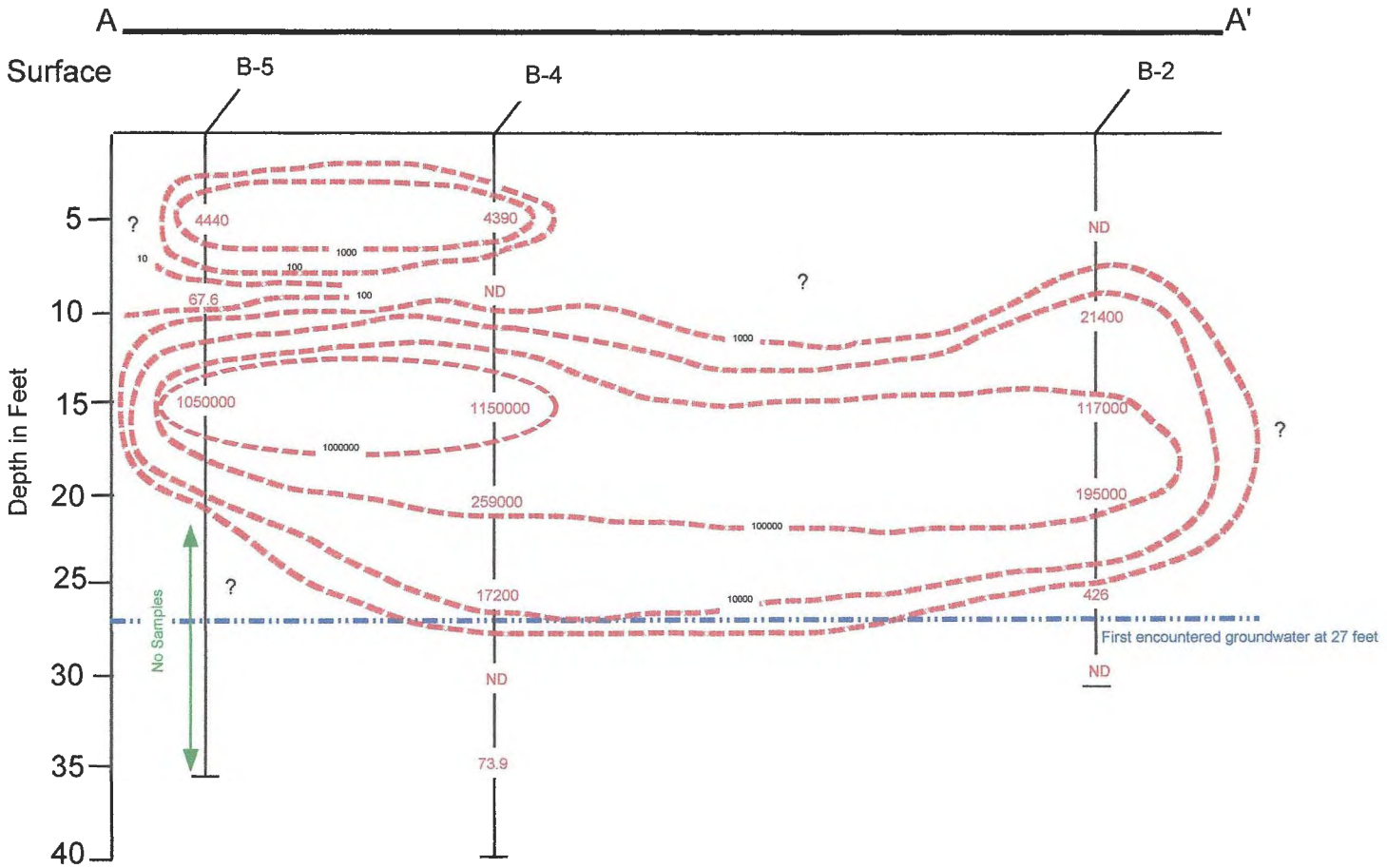
0 15 30 60

Approximate Scale
1"=30'

Base: RHL Group Inc., 1998

Job No.: 12216-1	**Site Plan** Quik Stop Market #51 3130 35th Avenue Oakland, California	**Compliance & Closure, Inc.**
Date: 7/26/2016		Drawn by: NLN Figure No.:: **2**

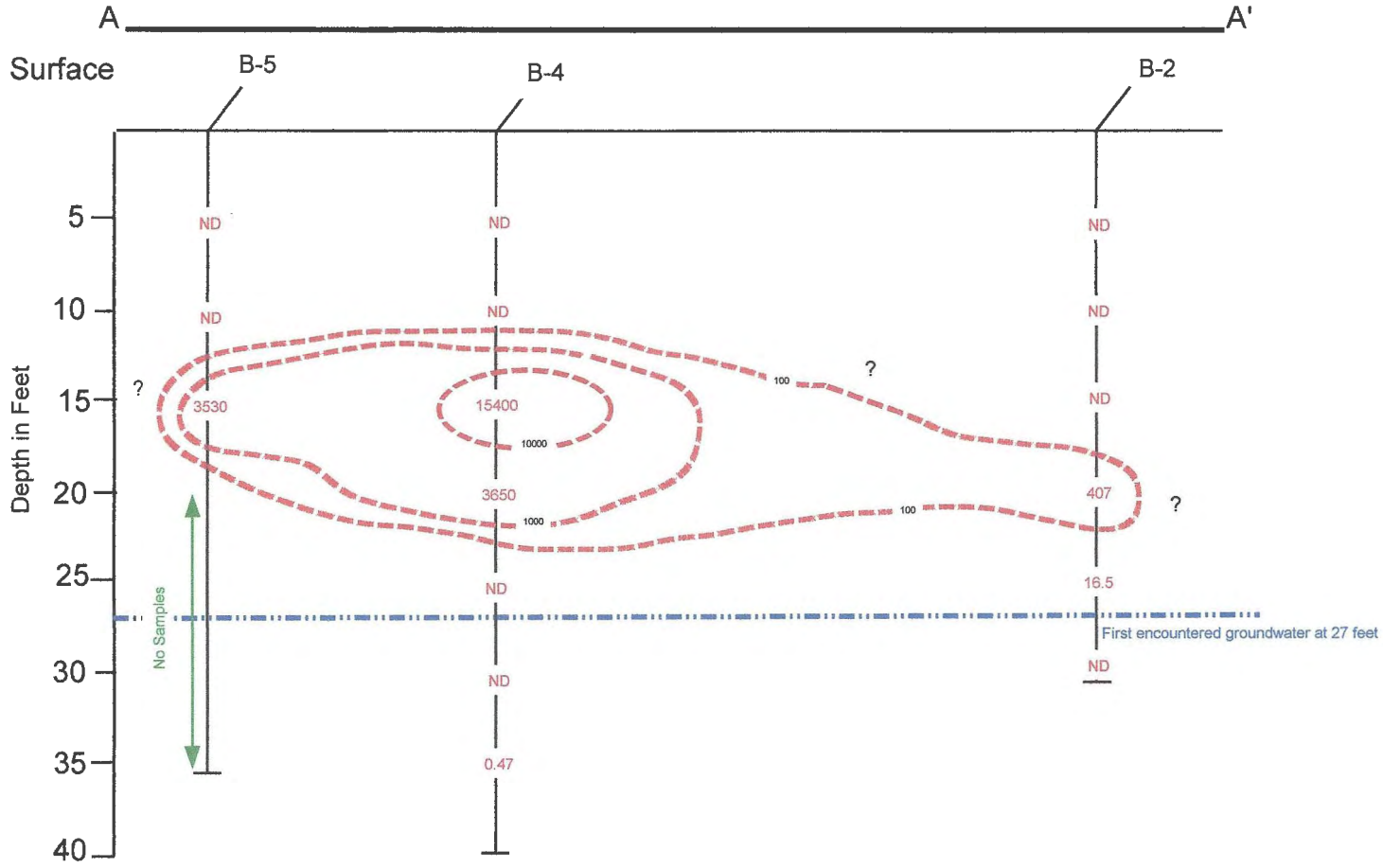
TPHg Soil Contamination Cross-Section A-A'



Horizontal 1" = 20'
Vertical 1" = 10'
21400 - TPHg Concentration in ug/kg
TPHg Concentration Contour Line in ug/kg

Reviewed By: GM	**TPHg Soil Contamination Cross-Section A-A'**	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. 3

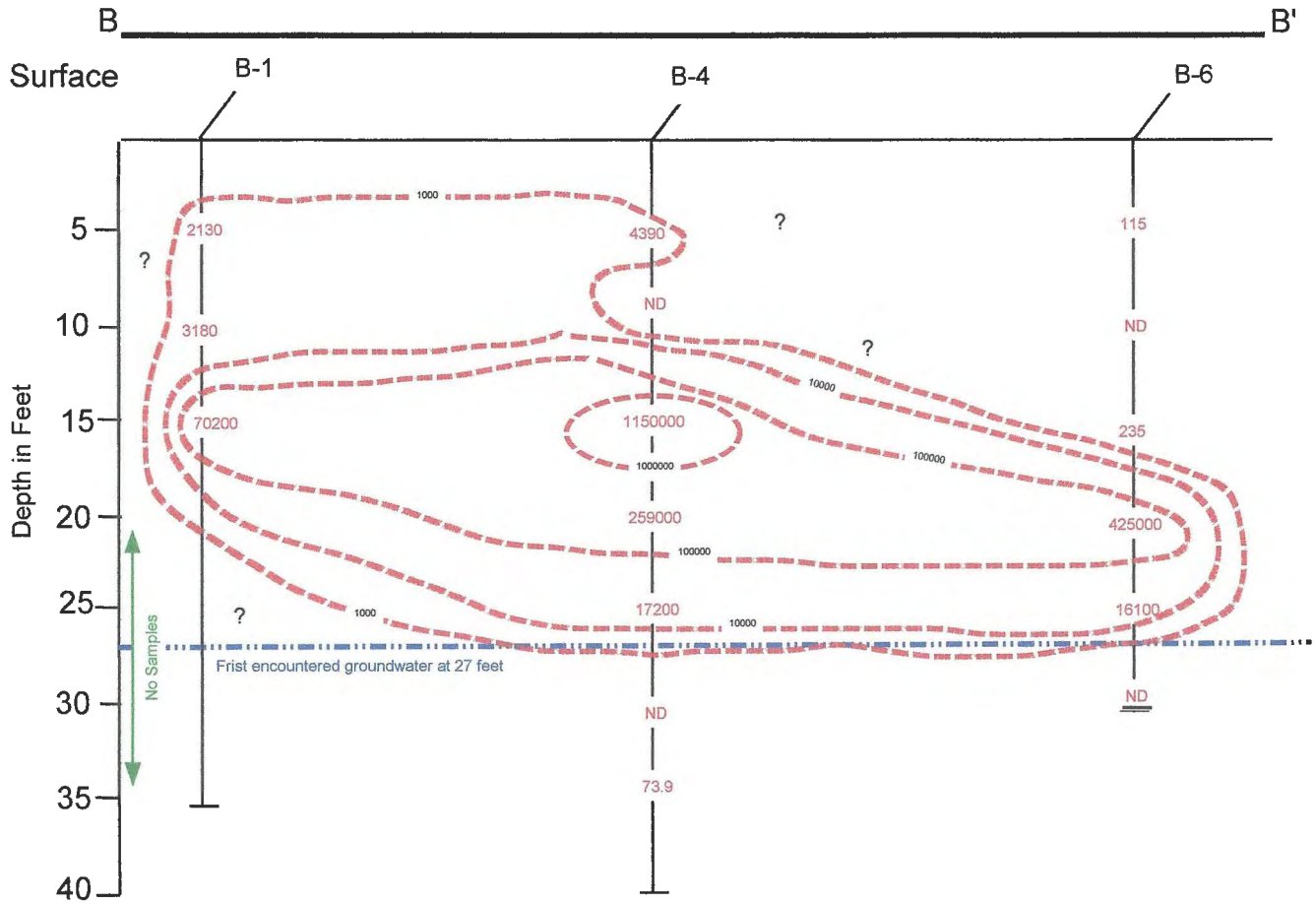
Benzene Soil Contamination Cross-Section A-A'



Horizontal 1" = 20'
Vertical 1" = 10'
15400 - Benzene Concentration in ug/kg
Benzene Concentration Contour Line in ug/kg

Reviewed By: GM	**Benzene Soil Contamination Cross-Section A-A'**	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. 4

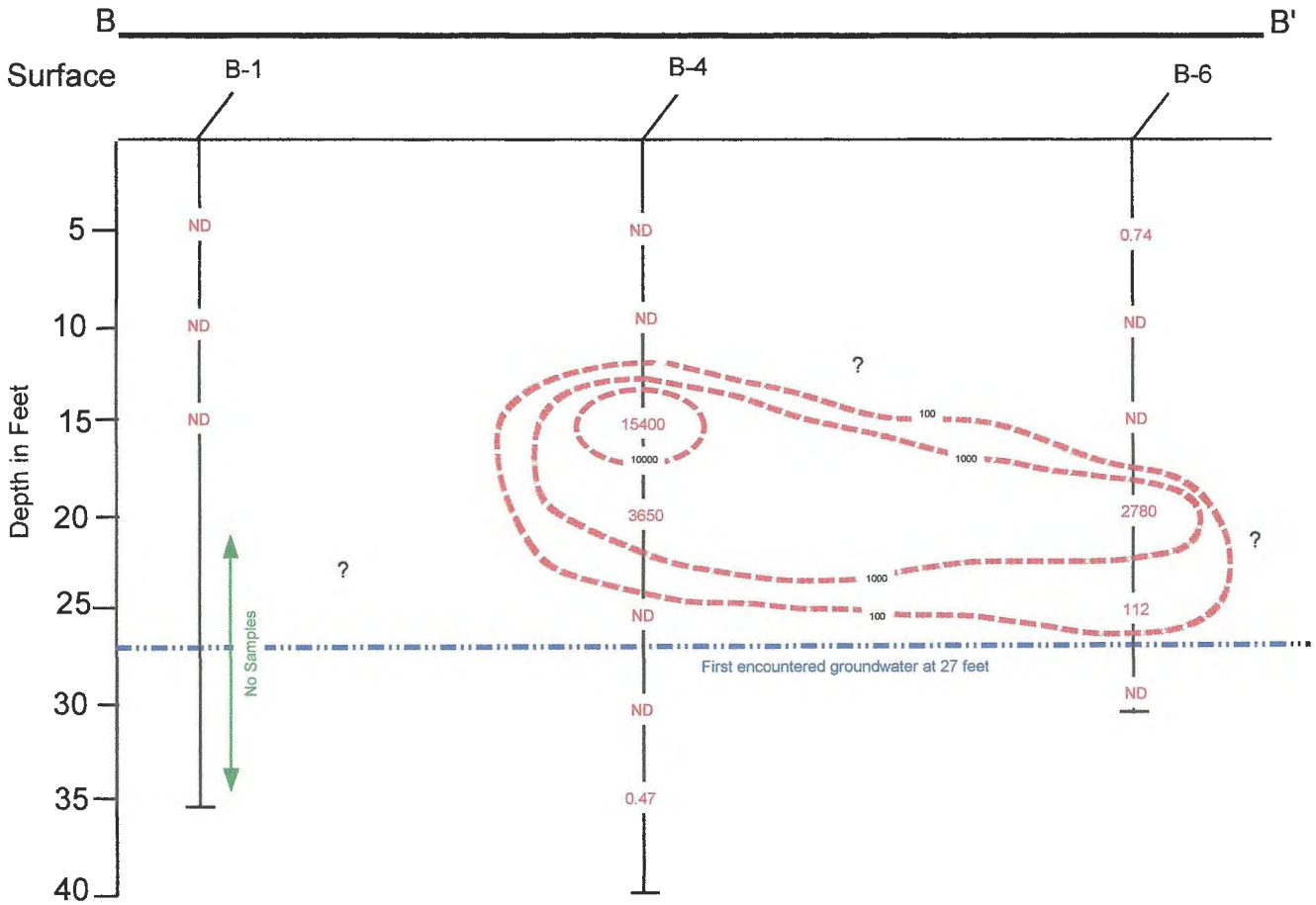
TPHg Soil Contamination Cross-Section B-B'



Horizontal 1" = 20'
Vertical 1" = 10'
21400 - TPHg Concentration in ug/kg
TPHg Concentration Contour Line in ug/kg

Reviewed By: GM	**TPHg 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. 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

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	**City of Project Site:**Oakland
Site Location:	3130 35th Avenue Oakland, CA, 94619	
Project Start Date:	06/07/2016	**Completion Date:**06/08/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com	
Applicant:	Compliance & Closure - Gary Muckey 4115 Blackhawk plaza ciack, Ste 100, Danville, CA 94506	**Phone:** 925-648-2008
Property Owner:	Frederick D. & Geraldine G Emory Trust 257 Clearview Ct, Roseville, CA 95745	**Phone:** --
Client:	Quik Stop Markets 4567 Enterprise St., Fremont, CA 94538	**Phone:** 510-657-8500
Contact:	Gary Muckey	**Phone:** 925-292-4565 **Cell:** 925-580-2258

	Total Due:	$265.00
Receipt Number: WR2016-0272	**Total Amount Paid:**	$265.00
Payer Name : Compliance & Closure, Inc.	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, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

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 sleve size	Gravels more than half of coarse fraction is smaller than no. 4 sleve 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	Sitly gravels, garvel-sand-silt mixtures
			GC	Claryey gravels, gravel-sand-clay mixtures
	Sands more than half of coarse fraction is smaller than no. 4 sleve 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 thaqn no. 200 sleve size	Silts and Clays	Low Liquid Limit	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey sitls with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clay: sitly clays, lean clays
			CL	Organic silts and organic silty clays of low plasticity
		High Liquid Limit	MH	Inorganic silts, micaceous or diatomeaceous fine sandy or sitly soils. elastic sitls
			CH	Inorganic clays of high plasticity, fat clays
			CH	Organic clays of medium to high plasticity, organic silts
High Organic Soils			Pt	Peat and other highly organic soils

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" ard 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.)

Compliance & Closure, Inc. — Exploratory Boring Log

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

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

Drilling Method: Flight Auger
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

Sample No.	PID (PPM)	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
				Fill	Asphalt pavement & baserock	
					Hand Auger	
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	No samples collected		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			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		

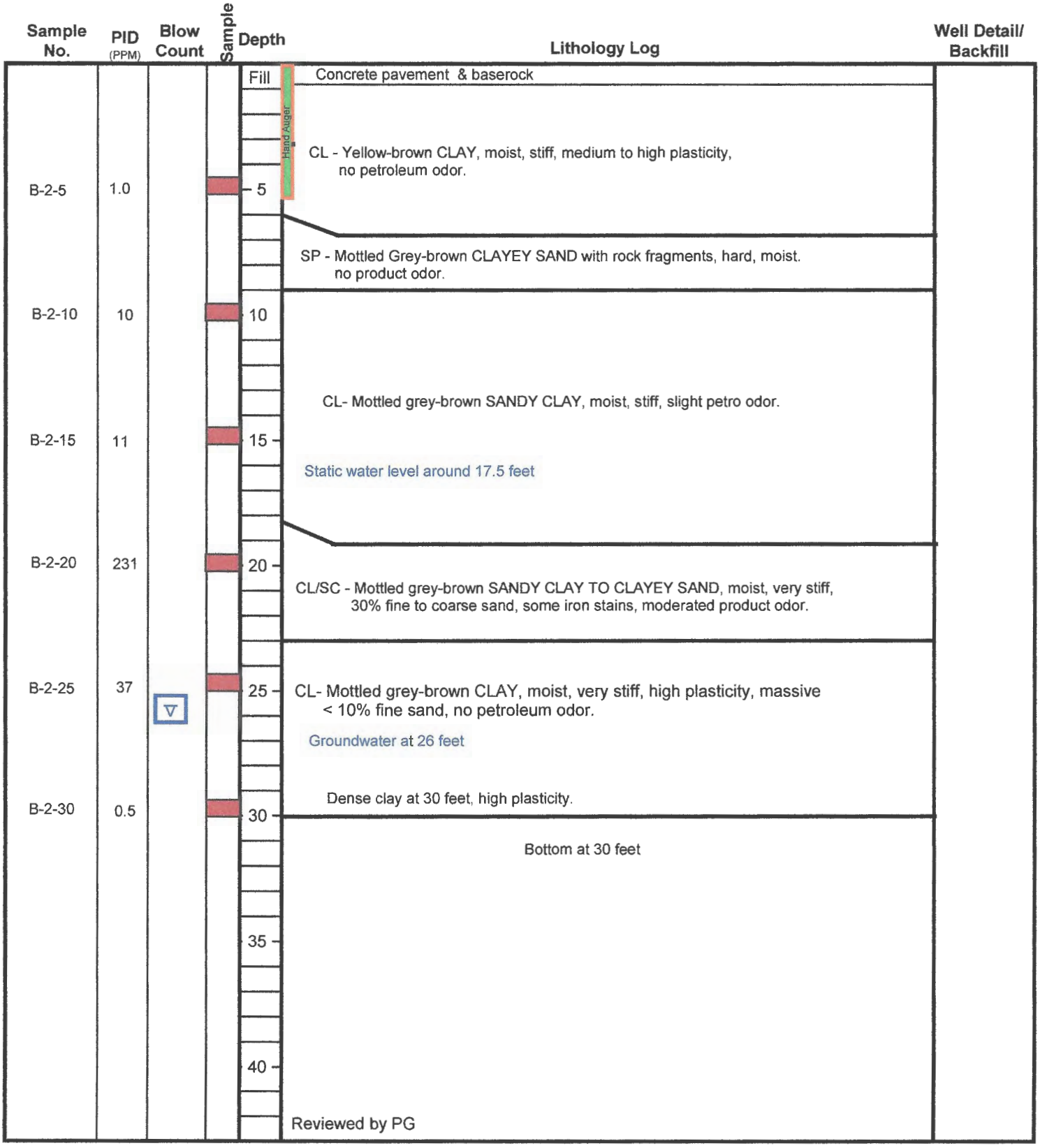
Reviewed by PG

Compliance & Closure, Inc. **Exploratory Boring Log**

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

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

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

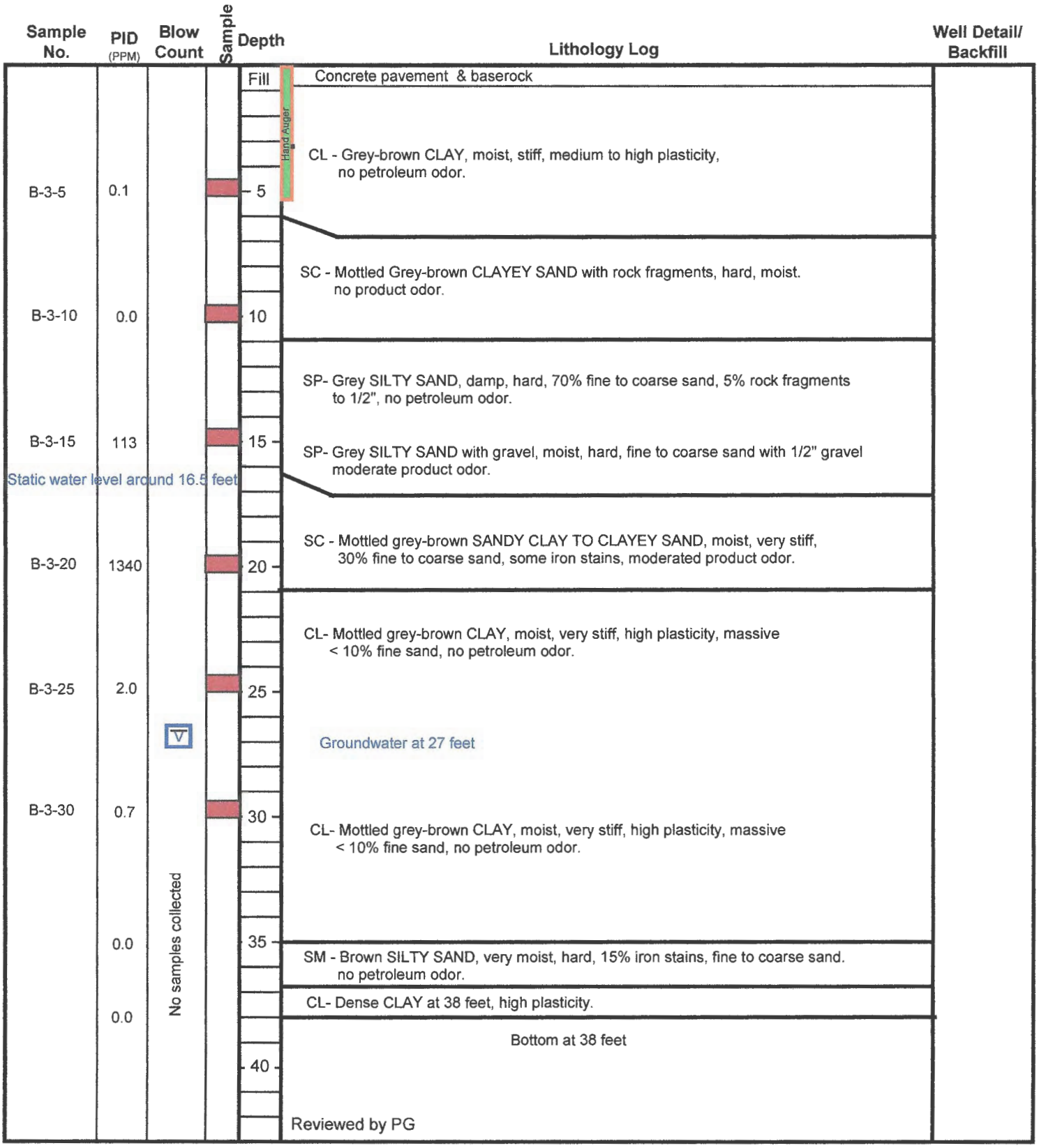


Compliance & Closure, Inc. **Exploratory Boring Log**

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

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

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



Compliance & Closure, Inc. **Exploratory Boring Log**

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

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

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

Sample No.	PID (PPM)	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
				Fill	Asphalt pavement & baserock	
					Hand Auger	
					CL - Grey-olive grey, SILTY CLAY, moist, stiff, medium to high plasticity, no petroleum odor.	
B-4-5	0.2			5		
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

Compliance & Closure, Inc. **Exploratory Boring Log**

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

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

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

Sample No.	PID (PPM)	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
				Fill	Asphalt pavement & baserock	
					Hand Auger	
					CL - Mottled grey-brown SANDY CLAY, very moist, stiff, massive, medium plasticity, no petroleum odor.	
B-5-5	0.0			5		
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, noticable 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	
		No samples collected		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

Compliance & Closure, Inc. **Exploratory Boring Log**

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

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

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

Sample No.	PID (PPM)	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
				Fill	Concrete pavement & baserock	
					Hand Auger	
					CL - Grey to black SILTY CLAY, moist, stiff, medium to high plasticity, no petroleum odor.	
B-6-5	0.0			5		
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

e-Hardcopy 2.0
Automated 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)

Sections: 1 2 3 4 5

Table of Contents

Sample Summary

Quick Stop Markets

Job No: C46337

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
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

Lab Sample ID / Analyte	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		
Lab Sample ID:	C46337-1	**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	L49798.D	1	06/28/16	JT	n/a	n/a	VL1492
Run #2							

	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
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-1-10		
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
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-1-15		
Lab Sample ID:	C46337-3	**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	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
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-5-5		
Lab Sample ID:	C46337-4	**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	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
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-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
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-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
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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Compliance & Closure, Inc.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PROJECT NO.	PROJECT NAME/SITE	P.O. #:
12216-1	Quik stop # 51 OAKLAND, CA	C46337

SAMPLERS (SIGN) [signature] (PRINT) GARY R. MULKEY

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020)	TPHg (8015)	TPHd (8015)	TOG 418.1/5520	601/8010	624/8240	625/8270	8260-petro (BTEX+oxygenates)	Naphthalene			REMARKS
1-	B-1-5	6/27/16	10:30		X	None	X	1	S	X	X						X	X			Get TPHg from GCMS
2-	B-1-10	6/27/16	10:40		X		X	1	S	X	X						X	X			
3-	B-1-15	6/27/16	10:50		X		X	1	S	X	X						X	X			
4-	B-5-5	6/27/16	11:45		X		X	1	S	X	X						X	X			
5-	B-5-10	6/27/16	12:05		X		X	1	S	X	X						X	X			
6-	B-5-15	6/27/16	12:25		X		X	1	S	X	X						X	X			

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	LABORATORY:
[signature]	6/28/16	08:10	[signature]	SGS Accutest, Inc. San Jose, CA
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	REQUESTED TURNAROUND TIME: standard
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:	RECEIPT CONDITION:

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

PROJECT MANAGER:
Attn: Mr. Gary Mulkey

1/2 3

Temp: 5.9/6.9

4.1

4

C46337: Chain of Custody

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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		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
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:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

C46337: Chain of Custody
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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.

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.

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	Q	Spike 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.

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	Q	Spike 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.

e-Hardcopy 2.0
Automated Report

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)

Table of Contents

Sample Summary

Quick Stop Markets

Job No: C46413

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
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 Date	Time	By	Received	Matrix Code	Type	Client Sample ID
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 / Analyte	Client Sample ID	Result/ Qual	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

Lab Sample ID / Analyte	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 / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Di-Isopropyl ether [c]		0.28 J	2.0	0.22	ug/l	SW846 8260B
Methyl Tert Butyl Ether [c]		52.8	1.0	0.20	ug/l	SW846 8260B
Naphthalene [c]		4.5 J	5.0	0.50	ug/l	SW846 8260B
Tert-Butyl Alcohol [c]		354	10	2.4	ug/l	SW846 8260B
TPH-GRO (C6-C10) [b]		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		
Lab Sample ID:	C46413-1	**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	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
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-4-15		
Lab Sample ID:	C46413-3	**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	L49921.D	1	07/07/16	JT	n/a	n/a	VL1497
Run #2							

	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
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-4-20		
Lab Sample ID:	C46413-4	**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	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
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-4-25		
Lab Sample ID:	C46413-5	**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	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		
Lab Sample ID:	C46413-6	**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	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		
Lab Sample ID:	C46413-7	**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	M61718.D	1	07/06/16	JT	n/a	n/a	VM1856
Run #2							

	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
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-W		
Lab Sample ID:	C46413-8	**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]	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
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-6-5		
Lab Sample ID:	C46413-9	**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	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		
Lab Sample ID:	C46413-10	**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	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		
Lab Sample ID:	C46413-11	**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	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		
Lab Sample ID:	C46413-12	**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	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		
Lab Sample ID:	C46413-13	**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	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		
Lab Sample ID:	C46413-14	**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	M61719.D	1	07/06/16	JT	n/a	n/a	VM1856
Run #2							

	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
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-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
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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

C46413

Compliance & Closure, Inc.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PROJECT NO.	PROJECT NAME/SITE	P.O. #:
C 2216-1	Quik Stop #51 OAKLAND, CA	

SAMPLERS (SIGN) Gary R. Mulkey (PRINT) Gary R. Mulkey

#	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020)	TPHg (8015)	TPHd (8015)	TOG 418.1/5520	601/8010	624/8240	625/8270	8260 petro (BTEX, Fuel oxygenates)	Naphthalene				REMARKS
1	B-4-5	7/5/16	8:55		X	None	X	1	S	X	X						X	X				Get TPHg
2	B-4-10	7/5/16	9:10		X		X	1	S	X	X						X	X				from GCMS
3	B-4-15	7/5/16	9:15		X		X	1	S	X	X						X	X				
4	B-4-20	7/5/16	9:25		X		X	1	S	X	X						X	X				
5	B-4-25	7/5/16	9:35		X		X	1	S	X	X						X	X				
6	B-4-30	7/5/16	9:45		X		X	1	S	X	X						X	X				
7	B-4-35	7/5/16	9:55		X		X	1	S	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	S	X	X						X	X				
10	B-6-10	7/5/16	13:05		X		X	1	S	X	X						X	X				
11	B-6-15	7/5/16	13:12		X		X	1	S	X	X						X	X				Prepare EDF
12	B-6-20	7/5/16	13:22		X		X	1	S	X	X						X	X				Global I.D. #
13	B-6-25	7/5/16	13:35		X		X	1	S	X	X						X	X				T10000008568
14	B-6-30	7/5/16	13:50		X		X	1	S	X	X						X	X				
15	B-6-W	7/5/16	14:30		X	HCL	X	3	W	X	X						X	X				

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
Gary R. Mulkey	7/6/16	8:05	Lee Bautista	SGS Accutest Laboratory San Jose, CA	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:		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	REQUESTED TURNAROUND TIME: Standard	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:	RECEIPT CONDITION: TEMP= 2.0 | 3.0	PROJECT MANAGER: Attn: Mr. Gary Mulkey

LBA

C46413: Chain of Custody
Page 1 of 2

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:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
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:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

C46413: Chain of Custody
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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.

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.

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.

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.

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.

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.

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.

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.

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	Q	Spike 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.

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	Q	Spike 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	80	5	72-122/18
108-20-3	Di-Isopropyl ether	ND		38.7	27.5	71	38.6	25.6	66* [a]	7	69-122/19
100-41-4	Ethylbenzene	ND		38.7	32.7	85	38.6	31.2	81	5	71-118/18
637-92-3	Ethyl tert-Butyl Ether	ND		38.7	28.2	73	38.6	26.0	67* [a]	8	69-125/19
1634-04-4	Methyl Tert Butyl Ether	47.4		38.7	51.0	9* [a]	38.6	42.6	-12* [a]	18	68-121/19
91-20-3	Naphthalene	ND		38.7	29.9	77	38.6	28.7	74	4	68-129/22
994-05-8	Tert-Amyl Methyl Ether	ND		38.7	30.1	78	38.6	27.6	71	9	70-129/20
75-65-0	Tert Butyl Alcohol	20.9	J	193	160	72	193	146	65	9	50-163/30
108-88-3	Toluene	ND		38.7	32.4	84	38.6	30.0	78	8	72-116/18
1330-20-7	Xylene (total)	ND		116	101	87	116	94.9	82	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	Q	Spike 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.

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 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	511		4000	4560	101	4000	4410	97	3	76-120/10
108-20-3	Di-Isopropyl ether	ND		4000	3900	98	4000	3780	95	3	69-126/10
100-41-4	Ethylbenzene	141	J	4000	4280	103	4000	4160	100	3	78-123/10
637-92-3	Ethyl Tert Butyl Ether	ND		4000	3980	100	4000	3870	97	3	75-126/11
1634-04-4	Methyl Tert Butyl Ether	14600		4000	17700	78	4000	17500	73	1	73-120/10
91-20-3	Naphthalene	ND		4000	4020	101	4000	3880	97	4	66-120/12
994-05-8	Tert-Amyl Methyl Ether	ND		4000	4100	103	4000	3990	100	3	77-126/10
75-65-0	Tert-Butyl Alcohol	20000		20000	41300	107	20000	41300	107	0	52-148/18
108-88-3	Toluene	ND		4000	4130	103	4000	3970	99	4	78-121/10
1330-20-7	Xylene (total)	316	J	12000	12700	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	Q	Spike 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.

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Automated Report

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**

NELAP ACCREDITED TNI LABORATORY

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)

Sections: 1 2 3 4 5

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Sample Summary

Quick Stop Markets

Job No: C46475

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
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 Date	Time	By	Received	Matrix Code	Type	Client Sample ID
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 / Analyte	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 / Analyte	Client Sample ID	Result/ Qual	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 / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Toluene		154	50	10	ug/l	SW846 8260B
Ethylbenzene		575	50	10	ug/l	SW846 8260B
Xylene (total)		2430	100	23	ug/l	SW846 8260B
Methyl Tert Butyl Ether [a]		2.7	1.0	0.20	ug/l	SW846 8260B
Naphthalene		123 J	250	25	ug/l	SW846 8260B
Tert-Butyl Alcohol [a]		51.6	10	2.4	ug/l	SW846 8260B
TPH-GRO (C6-C10)		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		
Lab Sample ID:	C46475-1	**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	L50032.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-2-10		
Lab Sample ID:	C46475-2	**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	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		
Lab Sample ID:	C46475-3	**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	L50037.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-2-20		
Lab Sample ID:	C46475-4	**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	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
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-2-25		
Lab Sample ID:	C46475-5	**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	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		
Lab Sample ID:	C46475-6	**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	L50030.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-3-5		
Lab Sample ID:	C46475-7	**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	L50015.D	1	07/13/16	JT	n/a	n/a	VL1500
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	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
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-3-10		
Lab Sample ID:	C46475-8	**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	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
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-3-20		
Lab Sample ID:	C46475-10	**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	L50036.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-3-21		
Lab Sample ID:	C46475-11	**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	L50038.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-3-25		
Lab Sample ID:	C46475-12	**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	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
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-3-30		
Lab Sample ID:	C46475-13	**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	L50029.D	1	07/14/16	JT	n/a	n/a	VL1501
Run #2							

	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
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-W		
Lab Sample ID:	C46475-14	**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	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

	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
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-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
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-5-W		
Lab Sample ID:	C46475-17	**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	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

	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
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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

1 of 2

Compliance & Closure, Inc.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST(S)

C46475

PROJECT NO.	PROJECT NAME/SITE	P.O. #:
12216-1	Quik Stop #51 Oakland, CA	

SAMPLERS (SIGN) Gary R. Mulkey (PRINT) Gary R. Mulkey

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020)	TPHg (8015)	TPHd (8015)	TOG 418.1/5520	601/8010	624/8240	625/8270	8260-petro/BTEX oxygenates	Naphthalene				REMARKS
1	B-2-5	7/11/16	8:30		X	NONE	X	1	S	X	X						X	X				Get TPHg from GCMS
2	B-2-10	7/11/16	8:35		X	↑	X	1	S	X	X						X	X				
3	B-2-15	7/11/16	8:40		X		X	1	S	X	X						X	X				
4	B-2-20	7/11/16	8:55		X		X	1	S	X	X						X	X				
5	B-2-25	7/11/16	9:10		X		X	1	S	X	X						X	X				
6	B-2-30	7/11/16	9:30		X		X	1	S	X	X						X	X				
7	B-3-5	7/11/16	10:25		X		X	1	S	X	X						X	X				
8	B-3-10	7/11/16	10:30		X		X	1	S	X	X						X	X				
9	B-3-15	7/11/16	10:35		X		X	1	S	X	X						X	X				
10	B-3-20	7/11/16	10:40		X		X	1	S	X	X						X	X				
11	B-3-21	7/11/16	10:50		X		X	1	S	X	X						X	X				Pre-paid EDF
12	B-3-25	7/11/16	11:05		X		X	1	S	X	X						X	X				~~Geo~~ Global I.D. #
13	B-3-30	7/11/16	11:15		X	↓	X	1	S	X	X						X	X				T10000008568
14	B-3-W	7/12/16	8:45		X	HCl	X	3	W	X	X						X	X				
15	B-2-W	7/12/16	8:55		X	HCl	X	3	W	X	X						X	X				

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
Gary R. Mulkey	7/12/16	11:15	[signature]	SGS Accutest Laboratories San Jose, CA	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: [signature]	DATE 7/12/16	TIME 12:50	RECEIVED BY: [signature]		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	REQUESTED TURNAROUND TIME: Standard	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:	RECEIPT CONDITION: TEMP = 4.0/5.0	PROJECT MANAGER: Attn: Mr. Gary Mulkey

LSD MM

C46475: Chain of Custody
Page 1 of 3

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Compliance & Closure, Inc.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST (2)

C46475

PROJECT NO.	PROJECT NAME/SITE	ANALYSIS REQUESTED	P.O. #:
12216-1	Quik stop #51 Oakland, CA		

SAMPLERS (SIGN) Gary R. Mulkey / (PRINT) Gary R. Mulkey

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020)	TPHg (8015)	TPHd (8015)	TOG 418.1/5520	601/8010	624/8240	625/8270	8260-petro (BTEX FOxys + 1,2 DCA)	Napthalene				REMARKS
16	B-1-W	7/12/16	9:15		X	HCL	X	3	W	X	X						X	X				Get TPHg from GCMS
17	B-5-W	7/12/16	10:15		X	HCL	X	3	W	X	X						X	X				

Prepare EDF
Global I.D. # T10000008568

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
Gary R. Mulkey	7/12/16	11:15	[signature]	SGS Accutest Laboratory San Jose, CA	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: [signature]	DATE 7/12/16	TIME 12:50	RECEIVED BY: [signature]		
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	REQUESTED TURNAROUND TIME: Standard	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:	RECEIPT CONDITION:	PROJECT MANAGER: Attn: Mr. Gary Mulkey

C46475: Chain of Custody
Page 2 of 3

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:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
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:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

C46475: Chain of Custody
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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.

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.

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.

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.

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.

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.

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.

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	Q	Spike 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	Q	Spike 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.

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	Q	Spike 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.

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	Q	Spike 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	Q	Spike 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.

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	Q	Spike 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.

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	Q	Spike 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.

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	Q	Spike 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.