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

Compliance & Closure, Inc.

April 13, 2017

RECEIVED
By Alameda County Environmental Health 3:33 pm, Apr 14, 2017

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

Attention: Mr. Mark Detterman

RE: First Quarter 2017 Quarterly Groundwater Monitoring Report
Delong Oil, Inc.
1716 Webster Street, Alameda, California 94501
Fuel Leak Case No. RO0003235; (Global ID No. T10000009940)
(CCI Project No. 12214-2)

Dear Mr. Detterman:

Compliance & Closure, Inc. (CCI) is pleased to present the First Quarter 2017 Quarterly Groundwater Monitoring Report for the sampling of the four on-site groundwater monitoring wells at the Delong Oil, Inc. 76 Gas Station/Circle K , located at 1716 Webster Street, Alameda, California (Figures 1 and 2).

Background

In 1983, three single-walled, fiberglass gasoline fuel tanks (12,000-gallon, 10,000-gallon and 6,000-gallon) and one waste oil tank were installed underground (USTs) at the site. In 1987, Mobil Oil Corporation replaced the waste oil tank with a 1,000-gallon tank. The site was later sold to British Petroleum, which operated the site until 1994. In 1994, the site was sold to ConocoPhillips, which operated the site until 2009. Between 1990 and 2009, several environmental site investigations and monitoring activates were conducted by several environmental consulting firms including Kaprealian Engineering, Inc., Hydro-Environmental Technologies, Inc., Fugro West and TRC Alton Geoscience.

In 2009, ConocoPhillips sold the site to United Brothers Enterprises, Inc., also doing business as Delong Oil, Inc., the current owner of the property. In early November 2009, Delong Oil converted the 6,000-gallon gasoline tank to a diesel tank. In July 2011, free-phase product was discovered in well RW-1, located adjacent to the converted diesel tank. Fingerprint analysis later identified the liquid as diesel fuel. Since Delong Oil was the only operator to sell diesel fuel at the site, the ACHE named it as a responsible party for the unauthorized release of the fuel. On September 6, 2013, the 1,000-gallon waste oil tank was removed from the site. Two soil samples

and one grab water sample were collected from the excavation. The laboratory reported the soil samples contained detectable total petroleum hydrocarbons as diesel (TPHd) at 30.9 milligrams per kilogram (mg/kg) and total petroleum hydrocarbons as motor oil (TPHmo) at 231 mg/kg. The groundwater sample was also reported to contain detectable TPHd at 18,200 micrograms per liter (ug/L) and TPHmo at 46,200 ug/L. Based on these results, Delong Oil was again named a responsible party for an unauthorized release of product in the vicinity of the former waste oil tank.

On June 10, 2014, ACEH issued a letter directing Delong Oil to prepare a scope of work to characterize the downgradient and lateral extent of the free-phase product and groundwater contamination associated with the waste oil tank. ACEH also directed Delong Oil to evaluate potential impacts from the waste oil release to adjacent downgradient residential buildings.

On January 25, 2016, CCI conducted a soil and groundwater investigation in the vicinity of the former was oil and hydraulic lift area of the former gas station building. CCI was following the scope of work in the approved work plan from June 2014. Results from the investigation showed that the soil and groundwater samples collected from the area just north and west of the former waste oil tank and the area of the former hydraulic lifts were reported by the laboratory to contain detectable concentrations of TPHd. Soil sample SB-6-5, collected from a depth of 5 feet was reported by the laboratory to contain the highest TPHd concentration, at 32.1 mg/kg. This soil sample was also reported to contain TPHmo at 178 mg/kg and total petroleum hydrocarbons as hydraulic oil (THPho) at 34.7 mg/kg. The concentration of TPHd in the other 11 soil samples were much lower. No other compounds were detected in the soil samples.

Six groundwater samples collected from the borings were reported to contain relatively low concentrations of TPHd. All the TPHd samples were below the ESLs for groundwater where groundwater is a current or potential drinking water source. Four of the water samples, however, were reported to contain TPHmo ranging from 0.221 mg/L at SB-5-W to 0.493 mg/L at SB-6-W. All four of these water samples (SB-1-W, SB-2-W, SB-5-W and SB-6-W) exceeded the 100 ug/L ESLs for TPHmo where groundwater is a current or potential drinking water resource. The extent of the TPHmo in the groundwater to the east was not defined. The current and past groundwater gradient at the site indicates the groundwater flow direction is generally toward the north.

PID readings recorded during the investigation generally ranged from 15 to 1440 ppm in several of the soil borings. These PID readings did not correlate with results from the laboratory analysis.

On October 19, 2016, The ACEH has requested a new work plan that addresses the residential foundations of the homes to the east of the site, on site soil vapor sampling and further delineation of the groundwater diesel plume to the northwest of the site.

The ACEH issued a letter on March 17, 2017 indicating that the State Water Board (SWB) has

recommended and the ACEH concurs that the site be converted into two environmental cases. Case RO0003235 will handle only the diesel release in the northwest corner of the site associated with the conversion of the underground storage tank (UST) to a diesel UST. The other case RO0003140 will investigate the waste oil UST release on the southeast corner of the site. CCI sampled the site for this quarterly report on March 10, 2017, before these new directives were released. The new directive also requests a diesel UST work plan for Case RO0003235 and an addendum work plan for Case RO0003140 by May 19, 2017.

Groundwater Sampling

Groundwater samples were collected from the four site wells in accordance with CCI's Sampling Protocol, (Appendix A). The groundwater purged from the wells during sampling and equipment rinse water were placed in a properly labeled, Department of Transportation-approved drums and left at the site, adjacent to the trash enclosure on the southeast side of the site, pending laboratory results. A summary of the groundwater purge data is presented in Table 1.

Laboratory Analysis

SGS Accutest Laboratories (Accutest), located in San Jose, California, a state-certified laboratory, analyzed the water samples for the presence of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), naphthalene, fuel oxygenates and chlorinated solvents using EPA Test Method 8260B. Total petroleum hydrocarbons as diesel (TPHd, C10-C28 range) and TPHmo (C28-C40 range) were also analyzed using EPA Test Method 8015B. It should be noted that TPHd and TPHmo samples were analyzed with silica gel cleanup.

Summary of Groundwater Laboratory Results

The laboratory reported all four groundwater monitoring wells to have detectable TPHd and TPHmo. Monitoring well MW-1 was also reported to have detectable TPHg, BTEX compounds, fuel oxygenates and detectable naphthalene. Analytical results for the first quarter are summarized in Table 2. A Copy of the laboratory report and chain of custody document are attached in Appendix B. TPHd concentration map for the groundwater samples collected from the site wells during the first quarter are plotted on Figures 3.

While sampling the wells during the first quarter, the groundwater surface measurements ranged between 10.95 and 11.67 feet above mean sea level (msl). Dissolved oxygen levels ranged from 1.68 milligram per liter (mg/L) at MW-3A to 4.25 mg/L at RW-1. Oxygen reducing potential was ranged from -112 at MW-1 to 85 at MW-3A. The general groundwater flow direction in the upper-aquifer wells is toward the west, at a gradient between 0.008 to 0.042 feet per foot (Figure 2). A copy of the field logs are attached.

Additional Site Activity

The next quarterly sampling round is scheduled for June 2017. A copy of this report was uploaded to the AECH ftp data base site and the State of California Geotracker data base for review by the AECH.

Limitations

The discussion presented in this report is based on the following:

1. The observations of the field personnel;

2. The results of the laboratory analyses performed by a state-certified laboratory;

3. Our understanding of the regulations of the State of California and Alameda County.

It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in groundwater conditions could occur at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors. The services performed by CCI have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the Alameda area. No other warranty, express or implied, is made. Please note that contamination of soil and groundwater must be reported to the appropriate agencies in a timely manner.

CCI includes in this report chemical analytical data from a state-certified laboratory. CCI has been informed that the analyses are performed according to procedures suggested by the U.S. EPA and State of California. CCI is not responsible for laboratory errors in procedure or result reporting.

If you have any questions or require additional information, please call me at (925) 648-2008.

Sincerely,
Compliance & Closure, Inc.

Gary R. Mulkey

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

Gary R. Mulkey, P.G. 5842

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's Geotracker Website.

Submitted by;

Delong Liu
President

Delong Oil **30-Mar-17**
CCI Project No. 12214-1

TABLE 1

Summary of Monitoring Well Groundwater Purge Data

1716 Webster Street, Alameda, CA

Well Number	Date Sampled	Depth to Water (ft)	Well Depth (ft)	LPH (Feet)	Well Elevation (M.S.L.)	Groundwater Elevation (M.S.L.)	Well Screen Interval (Feet)	Purge Volume (gallons)	Temp. (F)	Cond. (umhos/cm)	pH	Dissolved Oxygen (mg/L)	O.R.P.
MW1	**2/22/2016**	5.25	15.17	0.00	14.70	9.45	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2/25/2016	5.40	15.15	Sheen		9.30		9	59.28	386	6.96	1.41	-170
	11/28/2016	6.01	15.15	0.00		9.14		5	61.39	468	6.50	3.25	-51
	3/10/2017	3.75	15.15	Sheen		10.95		7	56.43	381	7.26	2.45	-112
MW2A	**2/22/2016**	5.49	16.95	0.00	15.16	9.67	7 to 17	12	61.17	420	6.88	2.10	95
	2/25/2016	5.54	16.85	0.00		9.62		9	61.76	426	6.85	2.00	21
	11/28/2016	6.24	16.85	0.00		8.92		10	63.77	393	7.14	2.39	87.2
	3/10/2017	4.01	16.84	0.00		11.15		8	61.12	373	7.35	3.01	79
MW3A	**2/22/2016**	5.85	16.91	0.00	15.63	9.78	7 to 17	12	59.02	413	7.15	2.61	101
	2/25/2016	6.03	16.83	0.00		9.60		9	58.96	398	7.30	2.91	90
	11/28/2016	6.66	16.82	0.00		8.97		10	61.95	361	7.67	4.67	91
	3/10/2017	3.96	16.82	0.00		11.67		7	58.32	379	7.82	1.68	85
RW-1	**2/22/2016**	5.28	22.50	0.00	14.84	9.56	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2/25/2016	5.31	22.50	0.00		9.53		9	59.18	348	6.77	2.41	-78
	11/28/2016	5.58	22.50	0.00		9.26		6	62.22	350	6.82	5.05	18.4
	3/10/2017	3.34	22.50	0.00		11.50		30	56.99	335	7.08	4.25	19.0

ft	Feet below top of PVC casing	N/A	Not Available
gal	Gallons	mg/L	Milligrams per liter
Temp.	Temperature	Cond.	Conductivity
F	Degrees Fahrenheit	umhos/cm	Micromhos per centimeter
LPH	Liquid phase hydrocarbon	M.S.L.	Mean sea level

Well Elevations The old datum was NGVD29 which is 2.6 feet lower than the modern NAVD88 which is now required for the submittal to the GeoTracker.

Delong Petroleum
CCI Project No. 12214-2

4/13/2017

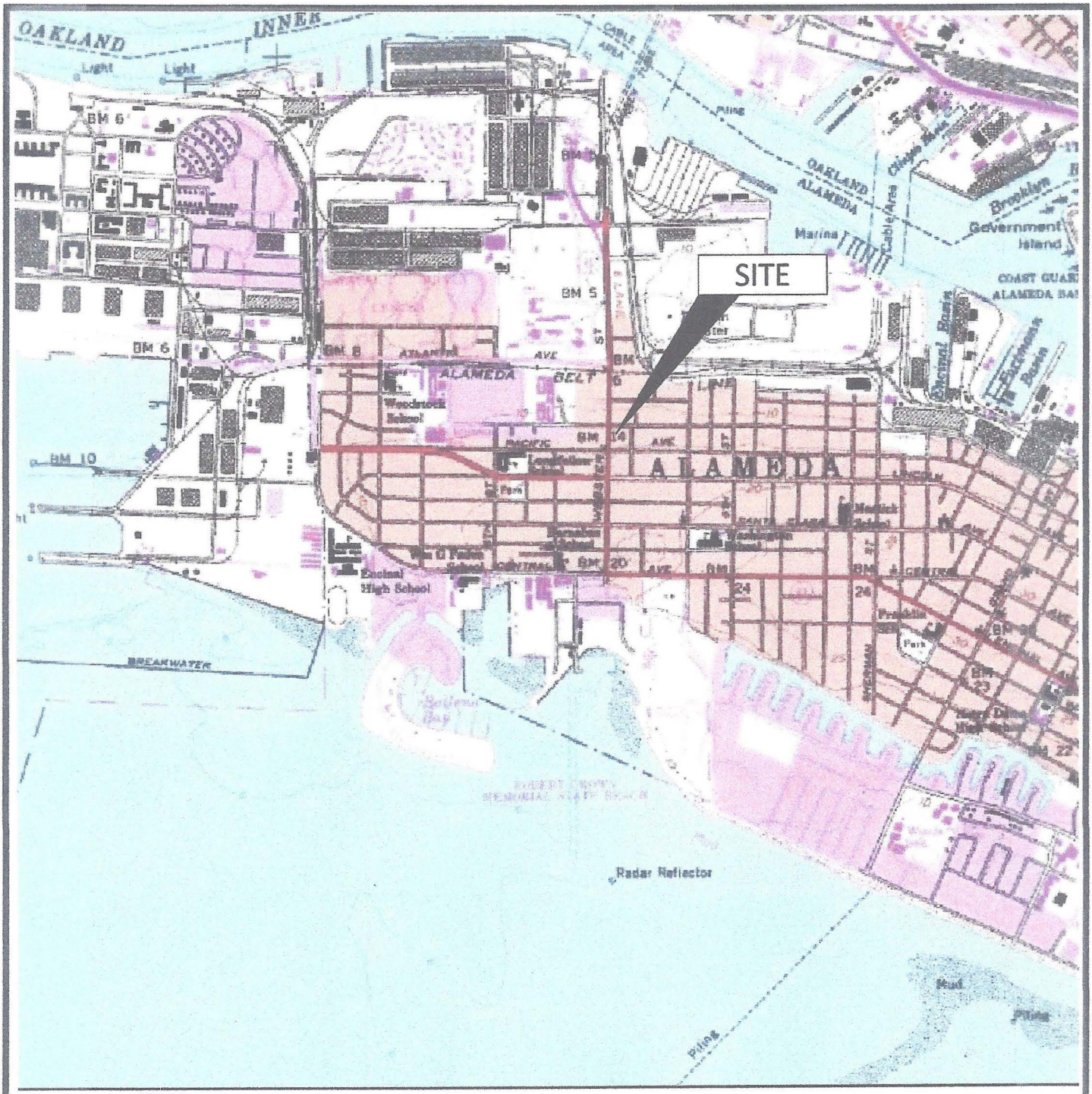
TABLE 2
Summary of Groundwater Sample Analysis
Delong Petroleum- 1716 Webster Street, Alameda, CA

Sample Number	Date Sampled	TPHg (ug/L) (C6-C10)	TPHd[3] (mg/L) (C10-C28)	Benzene (ug/L)	Toulene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	Napthalene (ug/L)	TPHmo[3] (mg/L) (C28-C40)	Acetone (ug/L)	Tetrachloroethylene (ug/L)	Trichloroethlene[4] (ug/L)
MW-1	**2/25/2016**	**351**	**1.03**	**49.5**	**2.6**	**48.5**	**62.5**	**51.3[2]**	**56.1**	**0.513[3]**	N/A	N/A	N/A
	6/6/2016	**1700**	**1.1**	**3.3[1]**	<10	**69.1**	**348**	<10	**48.7[1]**	**0.184**	**45.6[1]**	<10	<10
	11/28/2016	**742**	**0.586**	**18.6**	**0.72[1]**	**9.0**	**6.9**	**10.8**	**69.2**	**0.105**	<25	<1	<1
	3/10/2017	**432**	**0.736**	**6.0**	**0.60[1]**	**22.5**	**17.8**	**3.5**	**20.7**	**0.131**	<25	<1	<1
MW-2A	**2/25/2016**	<50	**0.0410[1]**	<1	<1	<1	<2	<1	<5	<0.19[3]	N/A	N/A	N/A
	6/6/2016	<50	<0.099	<1	<1	<1	<2	<1	<5	<0.099	<20	**0.67[1]**	**0.21[1]**
	11/28/2016	<100	<0.048	<1	<1	<1	<3	<1	<5	**0.0413[1]**	<25	**0.46[1]**	<1
	3/10/2017	<100	**0.0407[1]**	<1	<1	<1	<3	<1	<5	**0.0502**	<25	**0.37[1]**	<1
MW-3A	**2/25/2016**	<50	**0.0354[1]**	<1	<1	<1	<2	<1	<5	<0.19[3]	N/A	N/A	N/A
	6/6/2016	<50	**0.0601[1]**	<1	<1	<1	<2	<1	<5	<0.096	<20	<1	<1
	11/28/2016	<100	**0.0533**	<1	<1	<1	<3	<1	<5	**0.0798**	<25	<1	<1
	3/10/2017	<100	**0.205**	<1	<1	<1	<3	<1	<5	**0.144**	<25	<1	<1
RW-1	**2/25/2016**	<50	**1.06**	**0.27[1]**	<1	<1	<2	**0.61[1]**	<5	**0.232[3]**	N/A	N/A	N/A
	6/6/2016	**47.5[1]**	**2.14**	<1	<1	<1	<2	**1.8[1]**	**0.53[1]**	**0.200**	**7.1[1]**	<1	<1
	11/28/2016	<100	**0.111**	<1	<1	<1	<2	**0.38[1]**	<5	**0.0854**	<25	<1	<1
	3/10/2017	<100	**0.0897**	<1	<1	<1	<2	**1.1**	<5	**0.0831**	<25	<1	<1

Foot Note:

1	Indicates an estimated value below the laboratory reporting limit
2	Tert-Amyl Methyl Ether and Tert-Butyl Alcohol were also detected. See laboratory report.
3	Samples were run with silica gel cleanup
4	Other compounds were detected in the 8260B analysis, see laboratory report

TPHg	Total petroleum hydrocarbons as gasoline
TPHd	Total petroleum hydrocarbons as diesel
TPHmo	Total petroleum hydrocarbons as motor oil
TPHho	Total petroleum hydrocarbons as hydraulic oil
mg/L	Milligrams per Liter
ug/L	Micrograms per Liter
MTBE	Methyl-tert-butyl ether
ND	Not Detected
NA	Not analyized
ESLs	State of California Environmental Screening Levels for diesel and motor oil in groundwater , where groundwater is a current or potential drinking water resource = 100 ug/L.



Base Map USGS

Reviewed By: GM	**Vicinity Map**	**Compliance & Closure, Inc.**
Approved By: GM	**Delong Petroleum** **1716 Webster Street** **Alameda, California**	Job No.: 12214-1 / Drawn By: GM Date: 2/3/2016 / Fig. No.: 1

N

Buena Vista Avenue

Sidewalk

11.00

11.50

(11.50)

RW-1

Property Line

MW-1

(10.95)

Landscaping

Bus Shelter

UST Area

Groundwater Flow Direction

Dispensers

Canopy

Webster Street

Landscaping

Former Gas Station Building Location

MW-3A

(11.67)

11.00

MW-2A

(11.15)

Trash Enclosure

Sidewalk

11.50

Transformer

Market

Former Waste Oil Tank Excavation

Legend

Monitoring Well Location

(11.15) Groundwater surface elevation in feet (datum: mean sea level - 3/10/2017

Groundwater surface contour elevation in feet (datum: mean sea level - 3/10/2017

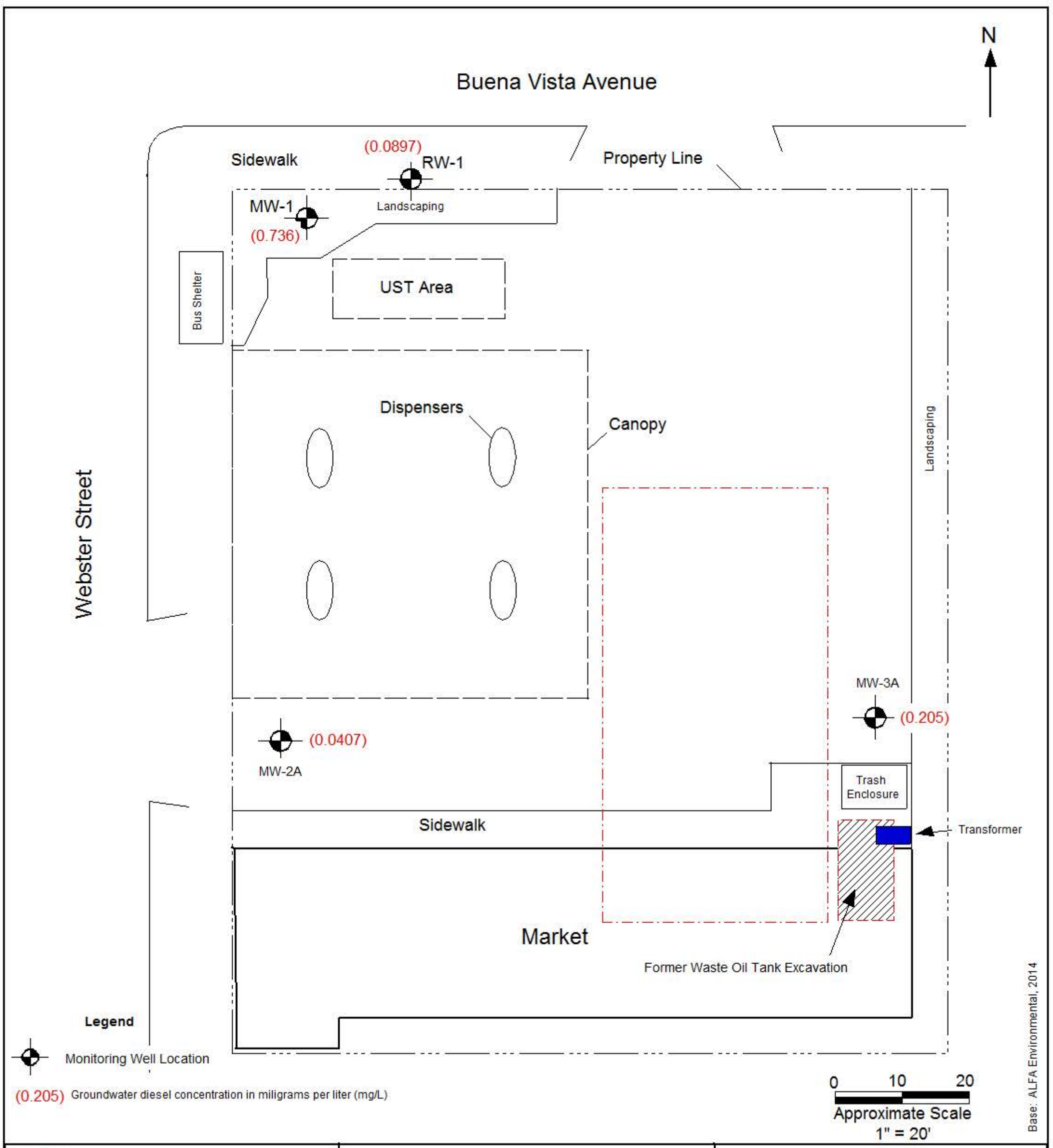
0 10 20

Approximate Scale

1" = 20'

Base: ALFA Environmental, 2014

Job No.: 121214-1	**Groundwater Contour Map** 76 Gas Station/Circle K 1716 Webster Street Alameda, California	**Compliance & Closure, Inc.**
Date: 4/13/2017		Drawn by: NLN Figure No.: 2



Job No.: 121214-1	**Groundwater Diesel Concentration Map** 76 Gas Station/Circle K 1716 Webster Street Alameda, California	**Compliance & Closure, Inc.**
Date: 4/13/2017		Drawn by: NLN Figure No.: 3

APPENDIX A

CCI Groundwater Sampling Protocol

COMPLIANCE & CLOSURE, INC.

Latest Revision: January 2017

GROUNDWATER SAMPLING PROTOCOL

Sampling of groundwater is performed by Compliance & Closure, Inc. sampling technicians. Summarized field sampling procedures are as follows:

1. Measure depth to water in all wells prior to sampling (+- 0.01')
   Calibrate field equipment. Proceed to first well with clean and decontaminated equipment.

2. Measurements of liquid surface(s) in the well, and total depth of monitoring well. Note presence of silt accumulation.

3. Field check for presence of floating product; measure apparent thickness.

4. Purge well with disposable bailer prior to collecting samples; purge volume (Minimum of 3 casing volumes) calculated prior to removal.

5. Monitor groundwater for temperature, pH, and specific conductance, note turbidity during purging. Allow temperature, pH and specific conductance to stabilize. Allow well to recover.

6. Collect samples using Environmental Protection Agency (EPA) approved sample collection devices, i.e., disposable bailers. Test parameters will include EPA 8015M for TPHg, EPA 8260B for BTEX compounds and fuel oxygenates.

7. Transfer samples into laboratory-supplied EPA-approved containers. Minimize aeration and avoid headspace in VOAs.

8. Label samples and log onto chain-of-custody form.

9. Store samples in a chilled ice chest for shipment to a state- certified analytical laboratory. Chain-of-custody to remain with samples.

10. Decontaminate equipment (water level sounder) prior to sampling next well. Disposable bailers to be used and discarded after each use.

11. Drum purge water collected from the site wells will be labeled and stored on site.

Compliance & Closure, Inc.
Groundwater Sampling Protocol
Latest Revision: January 2017

Equipment Cleaning and Decontamination

All water samples are placed in precleaned laboratory-supplied bottles. Sample bottles and caps remain sealed until actual usage at the site. All equipment which comes in contact with the well or groundwater is thoroughly cleaned with hexane wipes then trisodium phosphate (TSP) solution and rinsed with deionized or distilled water before each use at the site. This cleaning procedure is followed between each well sampled. Wells are sampled in approximate order of increasing contamination. If a Teflon cord is used, the cord is cleaned. If a nylon or cotton cord is used, a new cord is used in each well. If equipment blanks are collected, they will be collected between monitoring wells to test decontamination procedures. The blanks are analyzed periodically to ensure proper cleaning procedures are used.

Water Level Measurements

Depth to groundwater is measured in each well using a sealed sampling tape or scaled electric sounder prior to purging or sampling. If the well is known or suspected of containing free-phase petroleum hydrocarbons, an optical interface probe is used to measure the hydrocarbon thickness and groundwater level. Measurements are collected and recorded to the nearest 0.01 foot. Each monitoring well's total depth will be measured; this will allow a relative judgment of well siltation to be made and need for redevelopment.

Bailer Sheen Check

If no measurable free-phase petroleum hydrocarbons are detected, a clear acrylic bailer is used to determine the presence of a sheen. Any observed film, as well as odor and color of the water is recorded.

Groundwater Sampling

Prior to groundwater sampling, each well is purged of "standing" groundwater. A disposable bailer is used to purge the well. The amount of purging is dependent on the well yield. In a high yield formation, samples will be collected when normal field measurement, including temperature, pH, and specific conductance stabilize, provided a minimum of three well-casing volumes of water have been removed. Field measurements will be taken after purging each well volume. Physical parameter measurements (temperature, pH, and specific

conductance) are closely monitored throughout the well purging process and are used as indicators for assessing sufficient purging. The purging parameters are measured to observe stabilization to a range of values typical for that aquifer and well. Stable field parameters are recognized as indicative of groundwater aquifer chemistry entering the well. Specific conductance (conductivity) meters are read to the nearest $\pm$10 umhos/cm and are checked daily. Temperature is read to the nearest 0.1 F. Calibration of physical parameter meters will follow manufacturer's specifications. pH will be calibrated daily using two fresh buffer solutions. Collected field data during purging activities will be entered on the Well Sampling Field Data Sheet.

Compliance & Closure, Inc.
Groundwater Sampling Protocol
Latest Revision: January 2017

In low yield formations, the well is purged such that the "standing" water is removed and the well is allowed to recharge. (Normal field measurements will be periodically recorded during the purging process). In situations where recovery to 80% of static water level is estimated, or observed to exceed a two hour duration, a sample will be collected when sufficient volume is available for a sample for each parameter. Attempts will be made so the well is not purged dry such that the recharge rate causes the formation water to cascade into the well.

In wells where free-phase hydrocarbons are detected, the free-phase portion will be bailed from the well and the estimated volume removed and recorded. A groundwater sample will be collected if bailing reduces the amount of free-phase hydrocarbons to the point where they are not present in the well. Well sampling will be conducted using one of the aforementioned methods depending on the formation yield. However, if free-phase hydrocarbons persist throughout bailing, then a groundwater sample will not be collected.

Volatile organic groundwater samples are collected so that air passage through the sample does not occur or is minimal (to prevent volatiles from being stripped from the samples). Sample bottles are filled by slowly running the sample down the side of the bottle until there is a positive convex meniscus over the neck of the bottle; the Teflon side of the septum (in cap) is positioned against the meniscus, and the cap screwed on tightly; the sample is inverted and the bottle lightly tapped. The absence of an air bubble indicates a successful seal; if a bubble is evident, the cap is removed, more sample is added, and the bottle is resealed. If this occurs more than once in a given sample, a new sample will be collected.

Chain-of-Custody

Groundwater sample containers are labeled with a unique sample number, location, and date of collection. All samples are logged into a chain-of custody form and placed in a chilled ice chest for shipment to a laboratory certified by the State of California Department of Health Services.

Sample Storage

Groundwater samples collected in the field are stored in an ice chest cooled to 4 C while in transit to the office or analytical laboratory. Samples are stored in a refrigerator overnight and during weekends and holidays. The refrigerator is set to 4 C and is locked with access controlled by a designated sample custodi

Quality Assurance/Quality Control Objectives

The sampling and analysis procedures employed by Compliance & Closure, Inc. for groundwater sampling and monitoring follow quality assurance/quality control (QA/QC) guidelines. Quality assurance objectives have been established to develop and implement procedures for obtaining and evaluating water quality and field data in an accurate, precise, and complete manner. In this way, sampling procedures and field measurements provide information that is comparable and representative of actual field conditions. Quality control (QC) is maintained

by site-specific field protocols and requiring the analytical laboratory to perform internal and external QC checks. The goal is to provide data that are accurate, precise, complete, comparable, and representative. The definitions as developed by overseeing federal, state, and local agency guidance documents for accuracy, precision, completeness, comparability, and representativeness are:

- **Accuracy** - the degree of agreement of a measurement with an accepted reference or true value.

- **Precision** - a measure of agreement among individual measurements under similar conditions. Usually expressed in terms of the standard deviation.

- **Completeness** - the amount of valid data obtained from a measurement system compared to the amount that was expected to meet the project data goals.

- **Comparability** - express the confidence with which one data set can be compared to another.

- **Representativeness** - a sample or group of samples that reflect the characteristics of the media at the sampling point. It also includes how well the sampling point represents the actual parameter variations which are under study.

Laboratory and field handling procedures of samples are monitored by including QC samples for analysis with every submitted sample lot from a project site. QC samples may include any combination of the following:

- **Trip Blanks:** Periodic Trip Blank will be prepared and analyzed for purgeable organic compounds only; QC samples are collected in 40 milliliter (ml) sample vials filled in the analytical laboratory with organic-free water. Trip blanks are sent to the project site, and travel with project site samples. Trip blanks are **not** opened, and are returned from a project site with the project site samples for analysis.

- **Duplicates:** Duplicated samples are collected "second samples" from a selected well at the project site. They are collected as either split samples or second-run samples collected from the same well. The duplicate sample will be analyzed using EPA Test Method 8260B.

- **Equipment Blank:** Periodic QC samples collected from field equipment rinseate to verify decontamination procedures (if applicable). Equipment rinsate blanks will be collected between sampling of wells.

The number and types of QC samples are determined and analyzed on a project-specific basis.

APPENDIX B

Laboratory Report

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

Compliance & Closure, Inc.

T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

12214-2

SGS Accutest Job Number: FA41947

Sampling Date: 03/10/17

Report to:

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

ATTN: Gary Mulkey

Total number of pages in report: **48**

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.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

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Test results relate only to samples analyzed.

SGS Accutest is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.

Sections: 1 2 3 4 5 6 7

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Sample Summary

Compliance & Closure, Inc.

Job No: FA41947

T10000005974 Delong Oil; 1716 Webster St, Alameda, CA
Project No: 12214-2

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA41947-1	03/10/17	08:55	GM	03/11/17	AQ	Ground Water	MW-3A
FA41947-2	03/10/17	09:20	GM	03/11/17	AQ	Ground Water	MW-2A
FA41947-3	03/10/17	09:45	GM	03/11/17	AQ	Ground Water	MW-1
FA41947-4	03/10/17	10:15	GM	03/11/17	AQ	Ground Water	RW-1

Summary of Hits

Job Number: FA41947
Account: Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA
Collected: 03/10/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA41947-1	**MW-3A**					
TPH (C10-C28)		0.205	0.048	0.019	mg/l	SW846 8015C
TPH (> C28-C40)		0.144	0.048	0.019	mg/l	SW846 8015C
FA41947-2	**MW-2A**					
Tetrachloroethylene		0.37 J	1.0	0.22	ug/l	SW846 8260B
TPH (C10-C28)		0.0407 J	0.048	0.019	mg/l	SW846 8015C
TPH (> C28-C40)		0.0502	0.048	0.019	mg/l	SW846 8015C
FA41947-3	**MW-1**					
Benzene		6.0	1.0	0.31	ug/l	SW846 8260B
n-Butylbenzene		5.5	1.0	0.23	ug/l	SW846 8260B
sec-Butylbenzene		4.8	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		22.5	1.0	0.36	ug/l	SW846 8260B
Isopropylbenzene		10.3	1.0	0.22	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.5	1.0	0.23	ug/l	SW846 8260B
Naphthalene		20.7	5.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		21.7	1.0	0.29	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		1.7 J	2.0	0.24	ug/l	SW846 8260B
1,1,2,2-Tetrachloroethane		0.36 J	1.0	0.30	ug/l	SW846 8260B
Toluene		0.60 J	1.0	0.30	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		21.3	1.0	0.32	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		1.2	1.0	0.27	ug/l	SW846 8260B
Xylene (total)		17.8	3.0	0.72	ug/l	SW846 8260B
TPH-GRO (C6-C10)		0.432	0.10	0.050	mg/l	SW846 8015C
TPH (C10-C28)		0.736	0.048	0.019	mg/l	SW846 8015C
TPH (> C28-C40)		0.131	0.048	0.019	mg/l	SW846 8015C
FA41947-4	**RW-1**					
Chloroform		1.0	1.0	0.30	ug/l	SW846 8260B
Methyl Tert Butyl Ether		1.1	1.0	0.23	ug/l	SW846 8260B
TPH (C10-C28)		0.0897	0.048	0.019	mg/l	SW846 8015C
TPH (> C28-C40)		0.0831	0.048	0.019	mg/l	SW846 8015C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-3A		
Lab Sample ID:	FA41947-1	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A03776.D	1	03/16/17	AJ	n/a	n/a	V1A143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	

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:	MW-3A		
Lab Sample ID:	FA41947-1	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.24	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.24	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.24	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	110%		79-125%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3A		
Lab Sample ID:	FA41947-1	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

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:	MW-3A		
Lab Sample ID:	FA41947-1	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD143034.D	1	03/14/17	EG	n/a	n/a	GCD5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-131%
98-08-8	aaa-Trifluorotoluene	84%		69-143%

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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:	MW-3A		
Lab Sample ID:	FA41947-1	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW9188.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.205	0.048	0.019	mg/l	
	TPH (> C28-C40)	0.144	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		50-131%

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:	MW-2A		
Lab Sample ID:	FA41947-2	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A03777.D	1	03/16/17	AJ	n/a	n/a	V1A143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	

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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:	MW-2A		
Lab Sample ID:	FA41947-2	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.24	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.24	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.24	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.37	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%

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:	MW-2A		
Lab Sample ID:	FA41947-2	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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Report of Analysis

Client Sample ID:	MW-2A		
Lab Sample ID:	FA41947-2	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD143035.D	1	03/14/17	EG	n/a	n/a	GCD5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		70-131%
98-08-8	aaa-Trifluorotoluene	85%		69-143%

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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:	MW-2A		
Lab Sample ID:	FA41947-2	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW9194.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0407	0.048	0.019	mg/l	J
	TPH (> C28-C40)	0.0502	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		50-131%

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:	MW-1		
Lab Sample ID:	FA41947-3	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A03778.D	1	03/16/17	AJ	n/a	n/a	V1A143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	6.0	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	5.5	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	4.8	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	

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:	MW-1		
Lab Sample ID:	FA41947-3	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.24	ug/l	
100-41-4	Ethylbenzene	22.5	1.0	0.36	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.24	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	10.3	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.5	1.0	0.23	ug/l	
91-20-3	Naphthalene	20.7	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	21.7	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
994-05-8	Tert-Amyl Methyl Ether	1.7	2.0	0.24	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	20	5.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.36	1.0	0.30	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.60	1.0	0.30	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	21.3	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.2	1.0	0.27	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	17.8	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%

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:	MW-1		
Lab Sample ID:	FA41947-3	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

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:	MW-1		
Lab Sample ID:	FA41947-3	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD143036.D	1	03/14/17	EG	n/a	n/a	GCD5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.432	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-131%
98-08-8	aaa-Trifluorotoluene	106%		69-143%

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:	MW-1		
Lab Sample ID:	FA41947-3	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW9419.D	1	04/03/17	SJL	03/17/17	OP64218	GWW414
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.736	0.048	0.019	mg/l	
	TPH (> C28-C40)	0.131	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		50-131%

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:	RW-1		
Lab Sample ID:	FA41947-4	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A03779.D	1	03/16/17	AJ	n/a	n/a	V1A143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	1.0	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	

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:	RW-1		
Lab Sample ID:	FA41947-4	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.24	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.24	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.1	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.24	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%

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:	RW-1		
Lab Sample ID:	FA41947-4	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

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:	RW-1		
Lab Sample ID:	FA41947-4	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD143037.D	1	03/14/17	EG	n/a	n/a	GCD5961
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-131%
98-08-8	aaa-Trifluorotoluene	85%		69-143%

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:	RW-1		
Lab Sample ID:	FA41947-4	**Date Sampled:**	03/10/17
Matrix:	AQ - Ground Water	**Date Received:**	03/11/17
Method:	SW846 8015C SW846 3510C	**Percent Solids:**	n/a
Project:	T10000005974 Delong Oil; 1716 Webster St, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW9196.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0897	0.048	0.019	mg/l	
	TPH (> C28-C40)	0.0831	0.048	0.019	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		50-131%

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:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Di-Isopropyl Ether	108-20-3	**SW846 8260B**	AQ	Certified by SOP MS005

SGS CADS 531 ACCUTEST

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job #: FA41947

Client / Reporting Information

Company Name: compliance & closure, INC.
Address: 4115 Blackhawk Plaza Circle, STE 100
City: Danville State: CA Zip: 94506
Project Contact: Gary Mulkey
Phone #: 925-580-2258
Samplers's Name: Gary Mulkey

Project Information

Project Name: DeLong oil
Street: 1716 webster street
City: Alameda State: CA
Project #: 12214-2
EMAIL: gary@cci-envr.com
Client Purchase Order #: 12214-2

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

SGS Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	HDPE	H2SO4	NONE	NaOH/Zn	MEOH	ENCORE	TPHg - 8015	8260 - full scan, BTEX + oxygenates	TPHd - silica gel cleanup	TPH40 - silica gel cleanup	LAB USE ONLY
1	MW-3A	3/10/17	8:55	GM	GW	8	X			X				X	X	X	X	
2	MW-2A	3/10/17	9:20	GM	GW	8	X			X				X	X	X	X	
3	MW-1	3/10/17	9:45	GM	GW	8	X			X				X	X	X	X	
4	RW-1	3/10/17	10:15	GM	GW	8	X			X				X	X	X	X	

Turnaround Time (Business days)

Approved By:/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Prepare EDF - Global I.D. # T10000005974

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Gary R. Mulkey	3/10/17			03-10-17 12:40	FedEx
2						
3	FX					
4						
5				Custody Seal #	Appropriate Bottle / Pres. Y / N; Headspace Y / N; On Ice Y / N; Cooler Temp. 3.1 °C	Labels match Coc? Y / N; Separate Receiving Check List used: Y / N

SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: FA41947 CLIENT: Compliance + Closure PROJECT: DeLong oil

DATE/TIME RECEIVED: 03/11/17 09:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 7786 2894 4672

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID_____ CORR. FACTOR +0.8
- [ ] OBSERVED TEMPS: 2.3
- [ ] CORRECTED TEMPS: 3.1 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

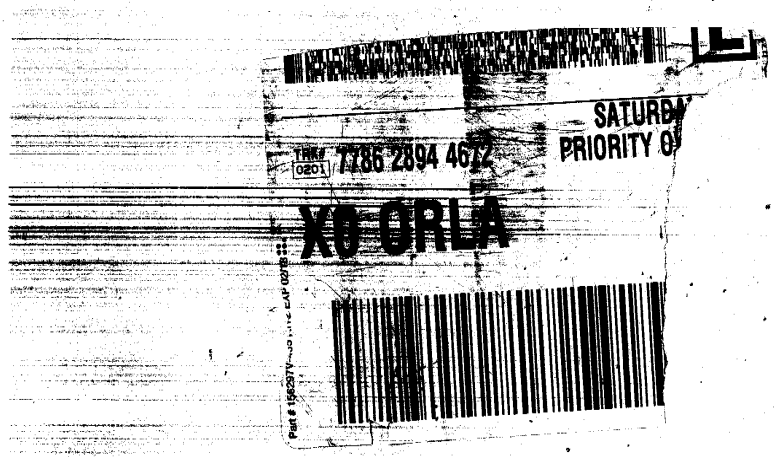
{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 03/11/17 REVIEWER SIGNATURE/DATE: 03/11/17

NF 02/16 receipt confirmation 020116.xls



FA41947: 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: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-MB	1A03762.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.37	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.41	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.0	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.23	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.24	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.31	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.36	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.67	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.31	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.32	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.34	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.32	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.31	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.24	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.24	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	

Method Blank Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-MB	1A03762.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Result	RL	MDL	Units	Q
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.24	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.22	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.59	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene Bromide	ND	2.0	0.37	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.29	ug/l	
100-42-5	Styrene	ND	1.0	0.22	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.24	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.3	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.28	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.61	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.47	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.35	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.32	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.72	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	83-118%

Method Blank Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-MB	1A03762.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	103%	83-118%

Blank Spike Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-BS	1A03761.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	113	90	50-147
71-43-2	Benzene	25	26.5	106	81-122
108-86-1	Bromobenzene	25	25.4	102	80-121
74-97-5	Bromochloromethane	25	22.1	88	76-123
75-27-4	Bromodichloromethane	25	22.3	89	79-123
75-25-2	Bromoform	25	21.6	86	66-123
78-93-3	2-Butanone (MEK)	125	119	95	56-143
104-51-8	n-Butylbenzene	25	26.1	104	79-126
135-98-8	sec-Butylbenzene	25	24.2	97	83-133
98-06-6	tert-Butylbenzene	25	23.3	93	80-133
56-23-5	Carbon Tetrachloride	25	24.7	99	76-136
108-90-7	Chlorobenzene	25	23.2	93	82-124
75-00-3	Chloroethane	25	26.5	106	62-144
67-66-3	Chloroform	25	23.5	94	80-124
95-49-8	o-Chlorotoluene	25	24.7	99	81-127
106-43-4	p-Chlorotoluene	25	23.9	96	83-130
124-48-1	Dibromochloromethane	25	22.4	90	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	22.5	90	64-123
106-93-4	1,2-Dibromoethane	25	22.5	90	75-120
75-71-8	Dichlorodifluoromethane	25	27.3	109	42-167
95-50-1	1,2-Dichlorobenzene	25	23.1	92	82-124
541-73-1	1,3-Dichlorobenzene	25	23.9	96	84-125
106-46-7	1,4-Dichlorobenzene	25	22.5	90	78-120
75-34-3	1,1-Dichloroethane	25	25.6	102	81-122
107-06-2	1,2-Dichloroethane	25	23.1	92	75-125
75-35-4	1,1-Dichloroethylene	25	26.5	106	78-137
156-59-2	cis-1,2-Dichloroethylene	25	24.8	99	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.8	103	76-127
78-87-5	1,2-Dichloropropane	25	23.8	95	76-124
142-28-9	1,3-Dichloropropane	25	22.6	90	80-118
594-20-7	2,2-Dichloropropane	25	27.7	111	74-139
563-58-6	1,1-Dichloropropene	25	23.9	96	79-131
10061-01-5	cis-1,3-Dichloropropene	25	22.1	88	75-118
10061-02-6	trans-1,3-Dichloropropene	25	23.4	94	80-120
108-20-3	Di-Isopropyl Ether	25	22.4	90	68-123
100-41-4	Ethylbenzene	25	25.4	102	81-121

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-BS	1A03761.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
637-92-3	Ethyl Tert Butyl Ether	25	22.2	89	71-120
87-68-3	Hexachlorobutadiene	25	26.3	105	75-142
591-78-6	2-Hexanone	125	116	93	61-129
98-82-8	Isopropylbenzene	25	24.1	96	83-132
99-87-6	p-Isopropyltoluene	25	26.1	104	79-130
74-83-9	Methyl Bromide	25	25.1	100	59-143
74-87-3	Methyl Chloride	25	24.7	99	50-159
74-95-3	Methylene Bromide	25	23.5	94	78-119
75-09-2	Methylene Chloride	25	22.0	88	69-135
108-10-1	4-Methyl-2-pentanone (MIBK)	125	128	102	66-122
1634-04-4	Methyl Tert Butyl Ether	25	21.8	87	72-117
91-20-3	Naphthalene	25	27.7	111	63-132
103-65-1	n-Propylbenzene	25	26.2	105	82-133
100-42-5	Styrene	25	24.6	98	78-119
994-05-8	Tert-Amyl Methyl Ether	25	20.4	82	73-122
75-65-0	Tert-Butyl Alcohol	250	201	80	63-129
630-20-6	1,1,1,2-Tetrachloroethane	25	23.9	96	77-122
79-34-5	1,1,2,2-Tetrachloroethane	25	22.6	90	72-120
127-18-4	Tetrachloroethylene	25	25.9	104	76-135
108-88-3	Toluene	25	26.0	104	80-120
87-61-6	1,2,3-Trichlorobenzene	25	24.8	99	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	73-129
71-55-6	1,1,1-Trichloroethane	25	24.4	98	75-130
79-00-5	1,1,2-Trichloroethane	25	23.6	94	76-119
79-01-6	Trichloroethylene	25	25.2	101	81-126
75-69-4	Trichlorofluoromethane	25	29.5	118	71-156
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-120
95-63-6	1,2,4-Trimethylbenzene	25	24.9	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.6	98	79-120
75-01-4	Vinyl Chloride	25	25.8	103	69-159
1330-20-7	Xylene (total)	75	75.5	101	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1A143-BS	1A03761.D	1	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA41989-20MS	1A03783.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20MSD	1A03784.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20	1A03763.D	20	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	FA41989-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	2220	89	2500	2100	84	6	50-147/21
71-43-2	Benzene	ND		500	642	128*	500	578	116	10	81-122/14
108-86-1	Bromobenzene	ND		500	600	120	500	543	109	10	80-121/14
74-97-5	Bromochloromethane	ND		500	523	105	500	473	95	10	76-123/14
75-27-4	Bromodichloromethane	ND		500	509	102	500	463	93	9	79-123/19
75-25-2	Bromoform	ND		500	408	82	500	378	76	8	66-123/21
78-93-3	2-Butanone (MEK)	ND		2500	2660	106	2500	2550	102	4	56-143/18
104-51-8	n-Butylbenzene	ND		500	605	121	500	539	108	12	79-126/16
135-98-8	sec-Butylbenzene	ND		500	569	114	500	511	102	11	83-133/16
98-06-6	tert-Butylbenzene	ND		500	548	110	500	494	99	10	80-133/16
56-23-5	Carbon Tetrachloride	ND		500	579	116	500	527	105	9	76-136/23
108-90-7	Chlorobenzene	ND		500	555	111	500	504	101	10	82-124/14
75-00-3	Chloroethane	ND		500	667	133	500	586	117	13	62-144/20
67-66-3	Chloroform	ND		500	587	117	500	531	106	10	80-124/15
95-49-8	o-Chlorotoluene	ND		500	587	117	500	526	105	11	81-127/15
106-43-4	p-Chlorotoluene	ND		500	568	114	500	509	102	11	83-130/15
124-48-1	Dibromochloromethane	ND		500	471	94	500	441	88	7	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	449	90	500	420	84	7	64-123/18
106-93-4	1,2-Dibromoethane	ND		500	523	105	500	482	96	8	75-120/13
75-71-8	Dichlorodifluoromethane	ND		500	672	134	500	597	119	12	42-167/19
95-50-1	1,2-Dichlorobenzene	ND		500	541	108	500	484	97	11	82-124/14
541-73-1	1,3-Dichlorobenzene	ND		500	561	112	500	503	101	11	84-125/14
106-46-7	1,4-Dichlorobenzene	ND		500	533	107	500	475	95	12	78-120/15
75-34-3	1,1-Dichloroethane	ND		500	608	122	500	547	109	11	81-122/15
107-06-2	1,2-Dichloroethane	ND		500	581	116	500	527	105	10	75-125/14
75-35-4	1,1-Dichloroethylene	ND		500	622	124	500	561	112	10	78-137/18
156-59-2	cis-1,2-Dichloroethylene	ND		500	587	117	500	530	106	10	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		500	599	120	500	539	108	11	76-127/17
78-87-5	1,2-Dichloropropane	ND		500	566	113	500	510	102	10	76-124/14
142-28-9	1,3-Dichloropropane	ND		500	532	106	500	488	98	9	80-118/13
594-20-7	2,2-Dichloropropane	ND		500	593	119	500	527	105	12	74-139/17
563-58-6	1,1-Dichloropropene	ND		500	601	120	500	541	108	11	79-131/16
10061-01-5	cis-1,3-Dichloropropene	ND		500	455	91	500	416	83	9	75-118/23
10061-02-6	trans-1,3-Dichloropropene	ND		500	485	97	500	457	91	6	80-120/22
108-20-3	Di-Isopropyl Ether	ND		500	522	104	500	479	96	9	68-123/16
100-41-4	Ethylbenzene	ND		500	614	123*	500	551	110	11	81-121/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA41989-20MS	1A03783.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20MSD	1A03784.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20	1A03763.D	20	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	FA41989-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
637-92-3	Ethyl Tert Butyl Ether	ND		500	513	103	500	476	95	7	71-120/14
87-68-3	Hexachlorobutadiene	ND		500	559	112	500	497	99	12	75-142/19
591-78-6	2-Hexanone	ND		2500	2520	101	2500	2410	96	4	61-129/18
98-82-8	Isopropylbenzene	ND		500	571	114	500	516	103	10	83-132/15
99-87-6	p-Isopropyltoluene	ND		500	612	122	500	550	110	11	79-130/16
74-83-9	Methyl Bromide	ND		500	633	127	500	541	108	16	59-143/19
74-87-3	Methyl Chloride	ND		500	617	123	500	546	109	12	50-159/19
74-95-3	Methylene Bromide	ND		500	545	109	500	501	100	8	78-119/14
75-09-2	Methylene Chloride	ND		500	532	106	500	477	95	11	69-135/16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	2740	110	2500	2630	105	4	66-122/16
1634-04-4	Methyl Tert Butyl Ether	ND		500	492	98	500	460	92	7	72-117/14
91-20-3	Naphthalene	ND		500	558	112	500	529	106	5	63-132/25
103-65-1	n-Propylbenzene	ND		500	622	124	500	555	111	11	82-133/15
100-42-5	Styrene	ND		500	586	117	500	520	104	12	78-119/23
994-05-8	Tert-Amyl Methyl Ether	ND		500	454	91	500	423	85	7	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		5000	4520	90	5000	4250	85	6	63-129/27
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	560	112	500	505	101	10	77-122/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	526	105	500	483	97	9	72-120/14
127-18-4	Tetrachloroethylene	ND		500	605	121	500	546	109	10	76-135/16
108-88-3	Toluene	ND		500	583	117	500	531	106	9	80-120/14
87-61-6	1,2,3-Trichlorobenzene	ND		500	518	104	500	477	95	8	68-131/25
120-82-1	1,2,4-Trichlorobenzene	ND		500	530	106	500	490	98	8	73-129/20
71-55-6	1,1,1-Trichloroethane	ND		500	630	126	500	560	112	12	75-130/16
79-00-5	1,1,2-Trichloroethane	848		500	1500	130*	500	1360	102	10	76-119/14
79-01-6	Trichloroethylene	ND		500	616	123	500	558	112	10	81-126/15
75-69-4	Trichlorofluoromethane	ND		500	671	134	500	595	119	12	71-156/21
96-18-4	1,2,3-Trichloropropane	ND		500	528	106	500	477	95	10	77-120/16
95-63-6	1,2,4-Trimethylbenzene	ND		500	592	118	500	528	106	11	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		500	583	117	500	525	105	10	79-120/19
75-01-4	Vinyl Chloride	ND		500	648	130	500	578	116	11	69-159/18
1330-20-7	Xylene (total)	ND		1500	1790	119	1500	1620	108	10	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA41989-20	Limits
1868-53-7	Dibromofluoromethane	109%	108%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA41989-20MS	1A03783.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20MSD	1A03784.D	20	03/16/17	AJ	n/a	n/a	V1A143
FA41989-20	1A03763.D	20	03/16/17	AJ	n/a	n/a	V1A143

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

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Surrogate Recoveries	MS	MSD	FA41989-20	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	106%	104%	79-125%
2037-26-5	Toluene-D8	91%	91%	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	101%	97%	83-118%

* = Outside of Control Limits.

GC 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: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD5961-MB	CD143012.D	1	03/13/17	EG	n/a	n/a	GCD5961

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	70-131%
98-08-8	aaa-Trifluorotoluene	84%	69-143%

Blank Spike Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD5961-BS	CD143011.D	1	03/13/17	EG	n/a	n/a	GCD5961

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.447	112	75-138

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	70-131%
98-08-8	aaa-Trifluorotoluene	97%	69-143%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA41903-5MS	CD143040.D	200	03/14/17	EG	n/a	n/a	GCD5961
FA41903-5MSD	CD143041.D	200	03/14/17	EG	n/a	n/a	GCD5961
FA41903-5	CD143020.D	200	03/13/17	EG	n/a	n/a	GCD5961

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	FA41903-5 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	63.4		80	159	120	80	157	117	1	75-138/13

CAS No.	Surrogate Recoveries	MS	MSD	FA41903-5	Limits
460-00-4	4-Bromofluorobenzene	98%	101%	92%	70-131%
98-08-8	aaa-Trifluorotoluene	97%	99%	85%	69-143%

* = Outside of Control Limits.

GC Semi-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: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64218-MB	WW9187.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.050	0.020	mg/l	
	TPH (> C28-C40)	ND	0.050	0.020	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	109%	50-131%

Blank Spike Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64218-BS	WW9186.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.981	98	60-128
	TPH (> C28-C40)	1	0.772	77	51-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	50-131%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA41947
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974 Delong Oil; 1716 Webster St, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64218-MS	WW9189.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406
OP64218-MSD	WW9190.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406
FA41947-1	WW9188.D	1	03/18/17	SJL	03/17/17	OP64218	GWW406

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA41947-1, FA41947-2, FA41947-3, FA41947-4

CAS No.	Compound	FA41947-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.205		1.9	2.35	113	1.9	2.08	98	12	60-128/33
	TPH (> C28-C40)	0.144		1.9	1.86	90	1.9	1.66	80	11	51-138/18

CAS No.	Surrogate Recoveries	MS	MSD	FA41947-1	Limits
84-15-1	o-Terphenyl	115%	100%	92%	50-131%

* = Outside of Control Limits.

COMPLIANCE & CLOSURE WELL DEVELOPMENT LOG

Peloos oil 1st Qtr 2017 Sample Round

JOB # 12214-2

DATE: 3/10/17

TIME: 8:30

WELL #	VOLUME	TD	DTW	Ph	TEMP	COND	COMMENTS
D.O. = 2.45 mg/L MW-1 ORP = -112	7-gal	15.15	3.75	7.26	56.93	381	visible sheen, moderate product odor, slightly cloudy
MW-2A D.O. = 3.01 mg/L ORP = 79	8-gal	16.84	4.01	7.34 7.35	61.15 61.12	372 373	clear to slightly cloudy, no petro odor
MW-3A D.O. = 1.68 mg/L ORP = 85	3/4 = 7	16.82	3.96	7.81 7.82	52.28 52.32	380 379	clear to slightly cloudy, no petro odor,
RW-1 D.O. = 4.25 mg/L ORP = 19	30-gal	22.55	3.34	7.10 7.08	56.98 56.99	339 335	slightly cloudy, no petro odor

pH w/ #4 & #7 buffer

EQUIPMENT CALIBRATION DATE: 3/10/17

SERIAL No. YSI-556

Compliance & Closure, Inc.