YRC Worldwide Inc.
10990 Roe Avenue
Overland Park, KS 66211-1213
Phone 913 696 6100
yrcw.com

September 5, 2008

To Whom It May Concern:

Attached is the "Additional Site Assessment Report" for the Roadway Express, Inc. property located at 1708 Wood Street in Oakland, CA 94607, Fuel Leak Case No. RO 0000039. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Roadway Express, Inc. is a subsidiary of YRC Worldwide, Inc., and as Supervisor of Environmental Services at YRC North American Transportation I have been charged by YRC Worldwide, Inc. to represent Roadway Express, Inc. regarding environmental matters.

Sincerely,

Ruben D. Byerley
Supervisor – Environmental Services

September 5, 2008

Mr. Paresh C. Khatri
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Additional Site Assessment Report
Roadway Express, Inc.
1708 Wood Street
Oakland, California
Fuel Leak Case No. RO0000039
Burns & McDonnell Project No. 48791

Dear Mr. Khatri:

Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) has been retained by YRC North American Transportation (YRC) to perform additional site assessment of petroleum impacts to soil and groundwater at the Roadway Express, Inc. truck terminal, located at 1708 Wood Street, Oakland, CA (Site). Figure 1 shows the location of the Site. This report presents soil and groundwater results to further delineate the horizontal and vertical extent of petroleum hydrocarbon impacts, and further addresses the preferential pathways proximal to the abandoned-in-place underground storage tanks (USTs) and the area of the former USTs at the Site. Drilling and sampling activities were initiated in response to the Alameda County Environmental Health Service (ACEH) letter, dated March 18, 2008, included as Appendix A.

To further delineate the horizontal and vertical extent of petroleum hydrocarbon impacts related to the former USTs, 10 borings (designated BM-10 through BM-19) were advanced to depths ranging from 20 feet to 32 feet below ground surface (bgs). Additionally, two wells (MW-1 and MW-2), which were originally constructed without a sufficient sanitary seal, were destroyed.

1.0 Site Description and Location

The Site is currently operating as a trucking facility (Figure 2), which includes: a terminal, loading dock, warehouse, business office, and trailer storage around the perimeter. The Site is secured with a full perimeter fence and staffed by professional security guards.

The Site is situated between Wood Street to the west, 18th Street to the north, 17th Street to the south, and Campbell Street to the east. Across 18th Street is a community park and surrounding businesses are industrial complexes.

2.0 Regional and Site Geology

The Site is located approximately 1 mile east of the central-eastern portion of the San Francisco Bay, at an elevation of approximately 10 feet above mean sea level (MSL). The Site is near the current eastern extent of the San Francisco Bay, and in the recent geologic past, was part of the San Francisco Bay. The near-surface geology has largely been controlled by the changing morphology of the San Francisco Bay over geologic time. The closest surface-water bodies to the Site are the Oakland Outer Harbor, located approximately 1 mile west of the Site, and the Oakland Inner Harbor, located approximately 1.75 miles south of the Site.

The Site's lithology is characterized by dark gray, very soft, moist clay with intermittent layers of silty clay to a depth of approximately 15 feet (bgs). The bottom of this clay layer consists of a dark clay with organics and appears to be Bay Mud. Below this layer is soft, wet, silty sandy clay with organics, and medium to coarse sand, that extends from approximately 15 to 32 feet bgs. Below the sand is gray, very soft, wet clay of unknown thickness.

3.0 Hydrogeologic Stetting

Based on boring logs and groundwater measurements, it appears that there are two water zones separated by a semi-impermeable clay layer. Monitoring wells MW-3, MW-4, and MW-5 are all screened from 10 to 30 feet bgs. When these wells were installed, first encountered groundwater was at 13 to 15 feet bgs, however, static measured groundwater levels in these wells have consistently been at 4 to 5 feet bgs. This is indicative of an aquifer under semi-confined conditions.

Recent direct push borings have encountered a shallow groundwater zone at between 3 and 6 feet bgs and with very limited water recovery of approximately 1 to 2 liters over the entire day. Groundwater monitoring wells at the Site, screened in the deeper zone (from 10 to 30 feet bgs), were measured to have a recharge rate of approximately 0.5 gallons per minute, very different from the first encountered water zone which has a much slower recharge rate.

4.0 Site History and Underground Storage Tank Overview

According to an internal document review conducted by the consultant firm Marshall Miller & Associates (*Marshall Miller & Associates 2006*) between the years 1987 to 1996, three underground USTs were properly removed and two USTs were abandoned-in-place at the Site.

In March 1987, two USTs (one 10,000 gallon gasoline tank and one 2,000 gallon motor oil tank) were removed from the central-eastern area of the Site (Figure 3). During the tank removal, two other USTs were identified at the northwest corner of the property (one 2,000 gallon waste oil tank and one 10,000 gallon tank of unknown contents). The two USTs located in the northwest corner of the property were abandoned-in-place (filled with sand slurry and grout) by R.S. Eagan

& Co. At that time, R.S. Eagan & Co. installed two monitoring wells, MW-1 and MW-2, within the footprint of the central-eastern excavation.

In April 1996, the remaining 10,000 gallon diesel UST and all associated piping was removed from the central-eastern area of the Site. The excavated soil was properly disposed of and the area was backfilled with 300 tons of pea gravel.

In September 2000, One Environment installed three monitoring wells (MW-3, MW-4, and MW-5) around the location of the removed USTs in the central-eastern area of the Site.

5.0 Previous Investigations

In March 2007, Burns & McDonnell was retained by YRC to locate and sample the Site's monitoring wells. Monitoring wells MW-3, MW-4, and MW-5 were located and sampled for MTBE as requested by the ACEH.

In December 2007, Burns & McDonnell initiated subsurface characterization at the Site, which consisted of nine direct push borings, advanced to a maximum depth of 15 feet bgs. The purpose of this phase of investigation was to assess subsurface conditions due to a potential sale of the property. Six of the borings (BM-1 through BM-6) were in the central-eastern area of the Site, where the former fuel and waste oil USTs had been removed. Three borings (BM-7, BM-8, and BM-9) were advanced in the area near the corner of 18th Street and Wood Street, where the USTs that were abandoned-in-place are estimated to be located. Boring locations are illustrated on Figure 3 and Figure 4.

In the central-eastern portion of the Site where the USTs had been removed, petroleum-hydrocarbon impacts were seen in the shallow groundwater samples. The highest impacts in this area were seen in grab groundwater samples from boring BM-2. This boring was located below the former fueling island and was advanced through the pea gravel fill that was placed in the excavation after the tank was removed.

In the northwest corner of the Site where the two USTs were abandoned in place, petroleum-hydrocarbon constituents were seen in soil and grab groundwater samples from all three borings. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any of the groundwater samples and the only detected volatile organic compound (VOC) was limited to Methyl tert-butyl ether (MTBE), which was detected in BM-7 at a concentration of 2.3 micrograms per liter (µg/L).

The groundwater monitoring wells screened between 10 and 30 feet bgs (MW-3, MW-4, and MW-5) have not shown any petroleum-hydrocarbon constituents in the March or December 2007 sampling events. Monitoring well MW-2, which was screened between 0.5 and 9.2 feet bgs, was the only monitoring well at the Site that has recently shown any petroleum hydrocarbon constituents.

6.0 Preferential Pathway Study

In the ACEH letter dated May 29, 2008, more detail was requested as to the utilities present in the area and the potential for the migration of contaminants along the possible preferential pathways.

6.1 Local Utilities

Subsurface utilities were located during a perimeter Site walk and through communication with the local utility companies. A private utility locating company, Precision Locating, was retained to assist with utility identification and mapping.

A municipal water line runs down Wood Street to the northwest of the Site and approximately 20 feet along 18th Street. Markings made by East Bay Municipal Utility Distric, in response to a USA ticket indicate that the water line does not continue down 18th Street. Water service to the Site is located between the shop building and the main office building.

Storm drains in the area of the Site are tied into the sanitary sewer system and are marked as reclaimed sewer lines. There is a 10-inch diameter sewer line that runs down 18th Street, 18 feet into the street from the property fence line. At the southeast end of the Site, the swere line was measured at a depth of 4 feet below the road surface and a depth of 5 feet below the road surface at the northwest side of the Site. At the intersection of Wood and 18th Street the sewer encounters a junction and continues down Wood Street to the southwest at a depth of 8 feet below the road surface. The Site's sanitary sewer ties in to the city system at the northwest corner of the Site, along 18th Street.

A natural gas line runs along Wood Street, and is located approximately 5 feet outside of the perimeter fence. Gas service to the Site is located between the shop building and the main office building.

6.2 Potential Migration

At this time, it is unknown what fill material was used in the utility corridor areas around the Site. However, it is reasonable to assume that the material that was used was uncompacted artificial fill or aggregate. If this is the case, the material could act as a preferential pathway for the horizontal migration of petroleum impacts. It is unlikely that the utility trenching would be able to act as a conduit for vertical migration, since it lies in the heavy clayey material and the sandy material characteristic of the deeper water zone isn't encountered until 12 to 15 feet bgs.

The recent offsite borings, described later in this report, show that a measurable shallow water zone was not found outside of the property line. Therefore, it is unlikely that the impacted shallow groundwater extends into the street, encountering the subsurface utilities, and using them as a conduit. With the installation of shallow groundwater wells, we will be able to determine the flow direction of the shallow groundwater zone and determine if it is likely to encounter the utility trenching during periods of elevated groundwater.

Nearby utilities are shown on Figures 3 and 4. The depth of utilities are shown on cross sections B – B', C – C', and D – D', located in Appendix B.

7.0 Monitoring Well Destruction

The first Technical Comment of the March 18, 2008 ACEH letter(Appendix A), stated "*Specifically, the sanitary seal for MW-2 may not be constructed in accordance with California Well Standards and may pose a potential preferential pathway for surface contaminants to the subsurface.*" Burns & McDonnell agreed with this evaluation and proposed to remove this monitoring well by over-drilling. A well destruction permit for MW-2, was issued by the Alameda County Public Works Agency (ACPWA), and is presented in Appendix C.

7.1 MW-2 Well Destruction

Two weeks prior to the removal of MW-2, Burns & McDonnell extracted approximately 500 gallons from MW-2, located in the backfill material put in place after the USTs were removed. Groundwater was removed form MW-2 with a vacuum truck, transported off Site, and disposed of at an appropriate disposal / recycling facility.

The concrete around the well box of MW-2 was broken-out and removed. The casing was over-drilled using a hollow-stem auger mounted on a Geoprobe™ 6620 GT track mounted rig. Once the target depth of 10 feet bgs was reached, it was possible to pull the casing out by hand. The casing was intact but showed signs of damage when it was originally installed, as if it was pushed in place through the pea gravel. The inside of the auger was then tremmie grouted with neat cement as it was pulled up. The borehole was left to settle overnight and was completed with concrete to match the surrounding surface.

7.2 MW-1 Well Destruction

Based on the *Environmental Disclosure Report* by Marshall Miller & Associates, 2006, it was reported that MW-1 was removed during the removal of the 10,000 gallon diesel UST in the central-eastern area, in April 1996. However, during this Site investigation, a well was discovered that had similar construction to MW-2; a 10 foot section of 4-inch diameter slotted screen set into pea gravel with no sanitary seal. The well was located adjacent to the extent of the excavation from the removal of the tanks. A blank metal cover had previously been welded over the top of the well box.

Mr. Paresh Khatri was contacted and informed of the discovery. He granted permission to proceed with removal of the well as it was not properly constructed and could pose a potential pathway for surface contaminants to the sub-surface. A second well destruction permit was issued by the ACPWA and is included in Appendix C.

During the removal of MW-2 it was found that the unconsolidated pea gravel surrounding the well caved in while the auger was being pulled up. Since this could cause unwanted subsurface voids and fact that there was no sand filter pack present it was decided that it would be more ideal to grout the well casing in place. This was confirmed with Mr. Paresh Khatri over the phone and was approved of by the ACPWA.

On August 7, 2008, the well box was broken-out and removed. MW-1 was tremmie grouted up to within 6 inches of the top of the casing with neat cement. The rest of the area was finished with concrete to match the surrounding surface.

8.0 Soil Borings

Prior to drilling, Burns & McDonnell obtained boring permits from the ACPWA; permits are presented in Appendix C. Underground Service Alert (USA) North was contacted and ticket number 287506 was assigned for the drilling activities. Additionally, Burns & McDonnell retained Precision Locating, a private utility locating service, to clear the final boring locations.

8.1 North-west corner

Four borings (BM-16 through BM-19) were advanced in the area surrounding the tanks that were reportedly abandoned-in-place in the northwest corner of the Site (Figure 4). One boring is located outside the fence line along 18th Street (BM-19), one to the northeast outside the fence line of the abandoned tank (BM-18), one at the corner of the shop building (BM-16), and one down gradient and near the property edge (BM-17).

8.2 18th Street (Central-eastern)

Previous investigations have not determined the horizontal and vertical extent of petroleum phase hydrocarbons in the central-eastern area of the Site. Since concentrations in shallow groundwater were detected along the fence line northeast of the former USTs, off-Site borings BM-13 and BM-14 were advanced on 18th Street. Boring BM-13 is located on the south side of 18th Street near the property line (northwest of BM-4) and BM-14 is located on the north side of 18th Street (Figure 3).

8.3 Central-eastern Former UST Area

Borings BM-10, BM-11, BM-12, and BM-15 were advanced around the former USTs; BM-10 to the northwest, BM-11 to the southeast, BM-12 between B-2 and B-6, and BM-15 upgradient and to the southeast (Figure3).

9.0 Drilling and Sampling Activities

RSI Drilling, an experienced C-57 licensed drilling company, performed all drilling and well destruction activities. Drilling operations were supervised by a Burns & McDonnell experienced field geologist, under the oversight of a Burns & McDonnell California Professional Geologist. A Geoprobe™ 6620 GT track mounted rig was used to advance borings. All boring locations were hand cleared (hand auger) to a depth of five feet prior to advancement of the Geoprobe™. No utilities were encountered during hand clearance or boring advancement.

9.1 Soil Sampling

Borings were advanced in four foot intervals. A soil sample was taken above first encountered groundwater. Once shallow groundwater, where encountered, had been sampled as described in Section 9.2 below, borings were advanced to total depths ranging from 20 feet to 32 feet bgs. A second soil sample was collected from the semi-impermeable clay layer at approximately 10 feet bgs. Deeper soil samples were collected from the sandy material associated with the deeper water zone.

During drilling activities, soil cuttings were retained for visual classification according to the Unified Soil Classification System, and VOC screening with a photoionization detector (PID). Lithologic description, PID readings (breathing zone, borehole, soil), and drilling observations were recorded on the associated boring log, and are presented as Appendix C.

9.2 Groundwater Sampling

Once first encountered groundwater was reached, a temporary casing was placed in the borehole. Clean polyethylene tubing was placed down the casing and grab groundwater samples were taken using a peristaltic pump.

In the central-eastern area, groundwater was first encountered at approximately 3 to 5 feet bgs. First encountered groundwater for the borings advanced along 18th Street and the northwest corner of the Site, was at approximately 12 to 20 feet bgs. While moisture was observed at shallower depths, it was concomitant with the soft, black to gray clay layers.

After shallow groundwater was sampled and the boring was advanced to the total depth, a new temporary casing was placed in the borehole and a deeper grab groundwater sample was collected.

10.0 Summary of Laboratory Results

Soil and groundwater samples were analyzed by Curtis & Tompkins, a California State-certified laboratory, for the following compounds using Environmental Protection Agency (EPA) Methods:

- Total Petroleum Hydrocarbons in the diesel range (TPH-d), gasoline range (TPH-g), and in the motor oil range (TPH-mo) by EPA Method 8015M;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B;
- Methyl tert-butyl ether (MTBE) by EPA 8021B (confirmed by EPA Method 8260B if detected).

10.1 Groundwater Sample Results

Groundwater results from the central-eastern and northwestern areas showed that there were no detectable petroleum hydrocarbon impacts in the shallow or the deeper water zones. Some of the

samples had initial detections for TPHd and TPHmo, however after silica gel was used to remove biogenic interferences there, were no concentrations above the detection limits.

THPg, BTEX, and MTBE were not detected at or above the detection limits in any of the grab groundwater samples submitted for analysis.

A grab groundwater sample was taken from MW-2 prior to its destruction. Analytical results from this sample were below the detection limits for TPHd, TPHmo, TPHg, BTEX, and MTBE.

Copies of the certified analytical reports and Chain-of-Custody documentation are included as Appendix D. Table 1 summarizes the historical grab groundwater results.

10.2 Soil Sample Results

10.2.1 Central-Eastern Area

Soil samples from borings in the central-eastern area (BM-10 through MB-15) showed petroleum hydrocarbon impacts predominantly in the shallow soil samples. Concentrations of both TPHd and TPHmo were found to decrease to below the detection limits as depth increased past 15 feet bgs.

The highest impacts for TPHd were found in BM-11, BM-12, BM-14, and BM-15 at depths ranging from between 2.6 and 3.6 feet bgs. However these concentrations were all below the San Francisco Regional Water Quality Control Board (SFRWQCB) Environmental Screening Level (ESL) of 180 milligrams per kilogram (mg/Kg) for shallow soil in an industrial area where water is not a source of drinking water. The detections were also below the lower SFRWQCB ESL of 83 mg/Kg for shallow water in a residential area where water is a source of drinking water.

THPmo was detected at concentrations ranging from below detection limits to 860 mg/Kg (BM-11 at 2.6 feet bgs). All of the samples which had detectable concentration of TPHmo were from depths no greater than 11 feet bgs.

TPHg, BTEX, and MTBE were not detected at or above the detection limits in any of the soil samples.

Copies of the certified analytical reports and Chain-of-Custody documentation are included as Appendix E. Table 2 summarizes the soil sample results.

10.2.2 Northwest Corner

Soil boring samples in the area of the abandoned in place USTs (BM-16 through BM-19), showed TPHd concentrations ranging from below the detection limits to 7.6 mg/Kg (BM-19 at 7.8 feet bgs). Concentrations of TPHmo ranged from below the detection limits to 19 mg/Kg (BM-19 at 7.8 feet bgs).

Copies of the certified analytical reports and Chain-of-Custody documentation are included as Appendix E. Table 2 summarizes the soil sample results.

11.0 Conclusions and Recommendations

Petroleum impacts appear to be predominantly in the shallow soil and groundwater. The limited detections of petroleum hydrocarbons that were found in soil samples decreased with depth. None of the groundwater sampled below the clayey Bay Mud layer showed any petroleum impacts. The borings advanced off-Site did not encounter a shallow groundwater zone, but did have detectable petroleum hydrocarbon concentrations in the shallow soil samples. Given the lack of groundwater in the shallow zone and the relatively shallow depth of the detections (3 feet bgs), it is possible that the soil impacts found in BM-14 are not related to the shallow impact found in the area of the removed USTs

With the removal of MW-1 and MW-2, the only monitoring wells located at the Site are screened in the deeper water zone below 15 feet bgs. The remaining three groundwater monitoring wells, screened between 10 and 30 feet bgs, are sufficient to adequately gauge and monitor groundwater in the deeper zone in the central-eastern portion of the site. In order to monitor the shallow water zone and to determine flow direction and gradient, Burns & McDonnell recommends the installation and monitoring of three new shallow groundwater monitoring wells surrounding the former central-eastern USTs.

The highest groundwater concentrations in the former UST area have been within, or immediately adjacent to the footprint of the previous excavations for the USTs. The material used to backfill after the tank removals was pea gravel and based on the observations of the recharge rate of MW-2, it is apparent that this material has a “bathtub” effect, retaining shallow groundwater and acting as a source for the shallow petroleum impacts. It is recommended that this area be excavated, the pea gravel removed, and clean backfill be placed and compacted into the excavation.

12.0 Certification

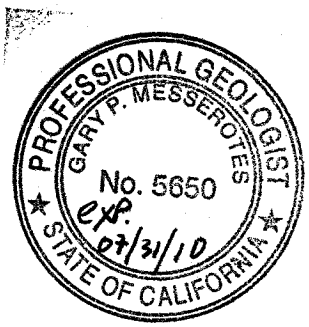
This report was prepared under the supervision of a California Professional Geologist. All statements, conclusions and recommendations are based solely upon published results from previous consultants, field observations by Burns & McDonnell and laboratory analysis performed by a California state-certified laboratory related to the work performed by Burns & McDonnell.

If you have any questions regarding this project please feel free to contact the undersigned at (650) 871-2926.

Sincerely,

Patrick Bratton
Project Manager

Gary P. Messerotes, P.G.
Senior Geologist



Attachments:
Table 1 – Historical Grab Groundwater Summary
Table 2 – Historical Soil Sample Summary

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Soil Boring Location Map – Abandoned USTs Area
Figure 4 – Monitoring Well and Soil Boring Location Map – Former USTs Area
Figure 5 – TPH Concentrations in Soil & Groundwater – Abandoned USTs Area
Figure 6 – TPH Concentrations in Shallow Groundwater & Soil – Former USTs Area
Figure 7 – TPH Concentrations in Deep Groundwater & Soil – Former USTs Area

Appendix A – Alameda County Environmental Health Letter, March 18, 2008
Appendix B – Cross-Sections
Appendix C – Boring and Well Destruction Permits
Appendix C – Boring Logs
Appendix C – Laboratory Analytical Reports

TABLES

TABLE 1
Historical Grab Groundwater Summary
Total Petroleum Hydrocarbons, Oil Grease, Motor Oil, BTEX, and MTBE
USF Roadway Express Facility
1708 Wood Street
Oakland, California

Sample ID	Date Sampled	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	Total Oil & Grease	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Analytical Reporting Units		µg/L	µg/L	µg/L	mg/L	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/L
B-1	24-Jul-97	<50	<50	---	<0.5	---	---	---	---	---
B-3	24-Jul-97	<50	500	---	0.54	---	---	---	---	---
B-4	24-Jul-97	<50	560	---	<0.5	---	---	---	---	---
B-5	24-Jul-97	<50	<50	---	<0.5	---	---	---	---	---
B-6	24-Jul-97	<50	2,000	---	0.69	---	---	---	---	---
B-7	24-Jul-97	840	120,000	---	8.8	---	---	---	---	---
B-8	24-Jul-97	<50	2,000	---	0.61	---	---	---	---	---
BM-2	10-Dec-07	260	28,000	1,500	<5.0	---	---	---	---	---
BM-3	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-4	10-Dec-07	<50	<620	9,900	<5.0	---	---	---	---	---
BM-5	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-6	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-7	10-Dec-07	<50	120 Y	---	<5.0	---	---	---	---	---
BM-8	10-Dec-07	54,000 Y	61,000	---	430	---	---	---	---	---
BM-9	10-Dec-07	180 Y	1,200 Y	---	<5.0	---	---	---	---	---
BM-10-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-10-D	4-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-11-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-11-D	4-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-12-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-12-D	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-13-O	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-14-O	5-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-15-S	5-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-15-D	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-16-O	5-Aug-08	<50 b	<50 b	<300 b	---	<0.50 b	<0.50 b	<0.50 b	<0.50 b	<2.0 b
BM-17-O	6-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-18-O	6-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-19-O	6-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
MW-2	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0

Notes:

ND = Sample not detected above detection limit; unable to find detection limit in prior sampling reports

< ## = Sample not detected above detection limit of ##

--- = Not sampled/analyzed for this constituent due to limited recovery of groundwater/and or not scheduled

NS = Not sampled for constituent

* = Result after silica gel clean-up procedure, EPA Method 3630C

Y = Atypical pattern

b = Sample analysed outside of hold time

S = Shallow water zone

D = Deeper water zone

O = Singular water zone

TABLE 2
Historical Soil Sample Summary
Total Petroleum Hydrocarbons, Motor Oil, BTEX, and MTBE
USF Roadway Express Facility
1708 Wood Street
Oakland, California

Sample ID	Date Sampled	Depth	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Analytical Reporting Units		(Feet bgs)	mg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
B-1	24-Jul-97	4	<1	<1	---	---	---	---	---	---
B-3	24-Jul-97	6	<1	240	---	---	---	---	---	---
B-4	24-Jul-97	7	<1	<1	---	---	---	---	---	---
B-5	24-Jul-97	3.5	<1	5.4	---	---	---	---	---	---
B-6	24-Jul-97	5	<1	<1	---	---	---	---	---	---
B-7	24-Jul-97	3	<1	<1	---	---	---	---	---	---
B-8	24-Jul-97	2	<1	<1	---	---	---	---	---	---
MW-3	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-3	6-Sep-00	10	ND	ND	---	---	---	---	---	---
MW-4	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-4	6-Sep-00	10	ND	ND	---	---	---	---	---	---
MW-5	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-5	6-Sep-00	10	ND	ND	---	---	---	---	---	---
BM-2	10-Dec-07	5	<0.50	8.8 Y	86	---	---	---	---	---
BM-2	10-Dec-07	13	<0.50	<5.0	---	---	---	---	---	---
BM-6	10-Dec-07	---	---	---	---	---	---	---	---	---
BM-7	10-Dec-07	6	<0.50	<5.0	86	---	---	---	---	---
BM-8	10-Dec-07	7	<0.50	<120	1,700	---	---	---	---	---
BM-9	10-Dec-07	5	<0.50	<5.0	83	---	---	---	---	---
BM-10	4-Aug-08	5	<0.93	4.5* Y	12*	<4.6	<4.6	<4.6	<4.6	<19
BM-10	4-Aug-08	24	<0.91	<0.99	<5.0	<4.5	<4.5	<4.5	<4.5	<18
BM-11	4-Aug-08	2.6	<0.94	30* Y	860* Y	<4.7	<4.7	<4.7	<4.7	<19
BM-11	4-Aug-08	11	<0.93	<1.0*	<5.0	<4.6	<4.6	<4.6	<4.6	<19
BM-11	4-Aug-08	20	<1.0	1.1* Y	<5.0	<4.6	<4.6	<4.6	<4.6	<18
BM-12	4-Aug-08	3	<0.98	65* Y	130*	<4.6	<4.6	<4.6	<4.6	<18
BM-12	5-Aug-08	9.6	<0.93	1.2* Y	10*	<4.7	<4.7	<4.7	<4.7	<19
BM-12	5-Aug-08	19.6	<0.98	<0.99	<5.0	<4.9	<4.9	<4.9	<4.9	<20
BM-13	5-Aug-08	3.6	<1.0	3.7* Y	13*	<5.2	<5.2	<5.2	<5.2	<21
BM-13	5-Aug-08	21	<1.1	<1.0	<5.0	<5.3	<5.3	<5.3	<5.3	<21
BM-14	5-Aug-08	3	<1.0	56* Y	90*	<5.0	<5.0	<5.0	<5.0	<20
BM-14	5-Aug-08	17.6	<0.99	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20
BM-14	5-Aug-08	23.6	<0.95	<0.99	<5.0	<4.8	<4.8	<4.8	<4.8	<19
BM-15	5-Aug-08	3.6	<1.0	45* Y	320*	<5.1	<5.1	<5.1	<5.1	<20
BM-15	5-Aug-08	11	<0.98	1.3* Y	11*	<4.9	<4.9	<4.9	<4.9	<20
BM-16	5-Aug-08	19	<1.0	2.4* Y	13*	<5.2	<5.2	<5.2	<5.2	<21
BM-16	5-Aug-08	29	<0.99	<1.0*	<5.0	<5.0	<5.0	<5.0	<5.0	<20
BM-17	6-Aug-08	10.6	<1.0	2.4* Y	16*	<5.0	<5.0	<5.0	<5.0	<20
BM-17	6-Aug-08	23.2	<0.97	3.1* Y	15*	<4.9	<4.9	<4.9	<4.9	<19
BM-17	6-Aug-08	25	<1.0	1.3* Y	8.2	<5.2	<5.2	<5.2	<5.2	<21
BM-18	6-Aug-08	2.6	<0.97	3.7* Y	16*	<4.9	<4.9	<4.9	<4.9	<19
BM-18	6-Aug-08	8.6	<1.0	<1.0*	<5.0*	<5.1	<5.1	<5.1	<5.1	<20
BM-18	6-Aug-08	12.6	<0.93	2.0* Y	13*	<4.7	<4.7	<4.7	<4.7	<19
BM-19	6-Aug-08	7.8	<0.98	7.6* Y	15*	<4.9	<4.9	<4.9	<4.9	<20
BM-19	6-Aug-08	11	<0.98	3.7* Y	19*	<4.9	<4.9	<4.9	<4.9	<20
BM-19	6-Aug-08	19	<0.97	<1.0* Y	<5.0	<4.9	<4.9	<4.9	<4.9	<19
BM-19	6-Aug-08	22	<0.94	<1.0	<5.0	<4.7	<4.7	<4.7	<4.7	<19

Notes:

ND = Sample not detected above detection limit; unable to find detection limit in prior sampling reports

< ## = Sample not detected above detection limit of ##

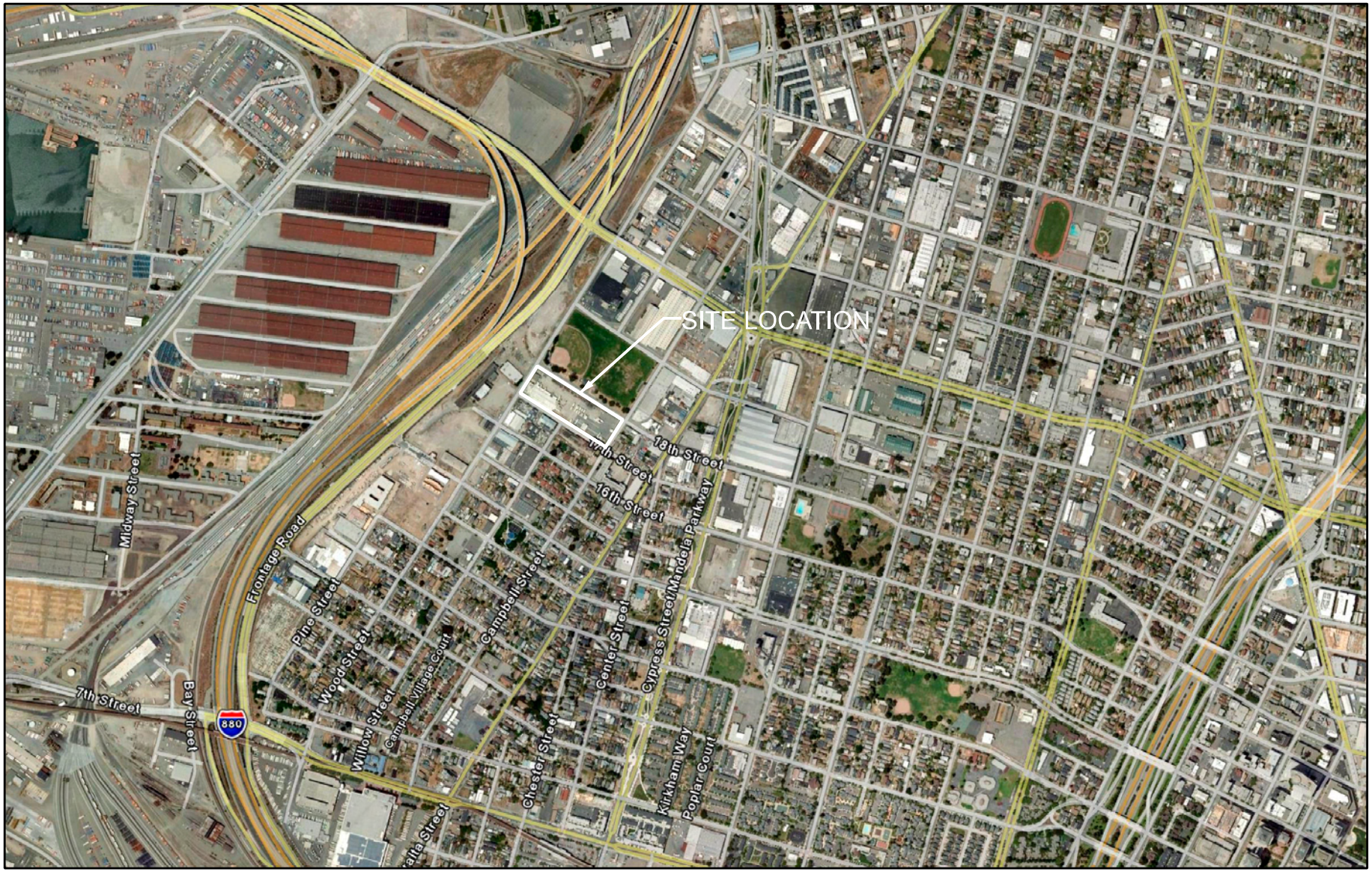
--- = Not sampled/analyzed for this constituent

Boring Locations are indicated on Figures 1 and 2

* = Result after silica gel clean-up procedure, EPA Method 3630C

Y = Sample exhibits chromatagraphic pattern that does not resemble the standard

FIGURES

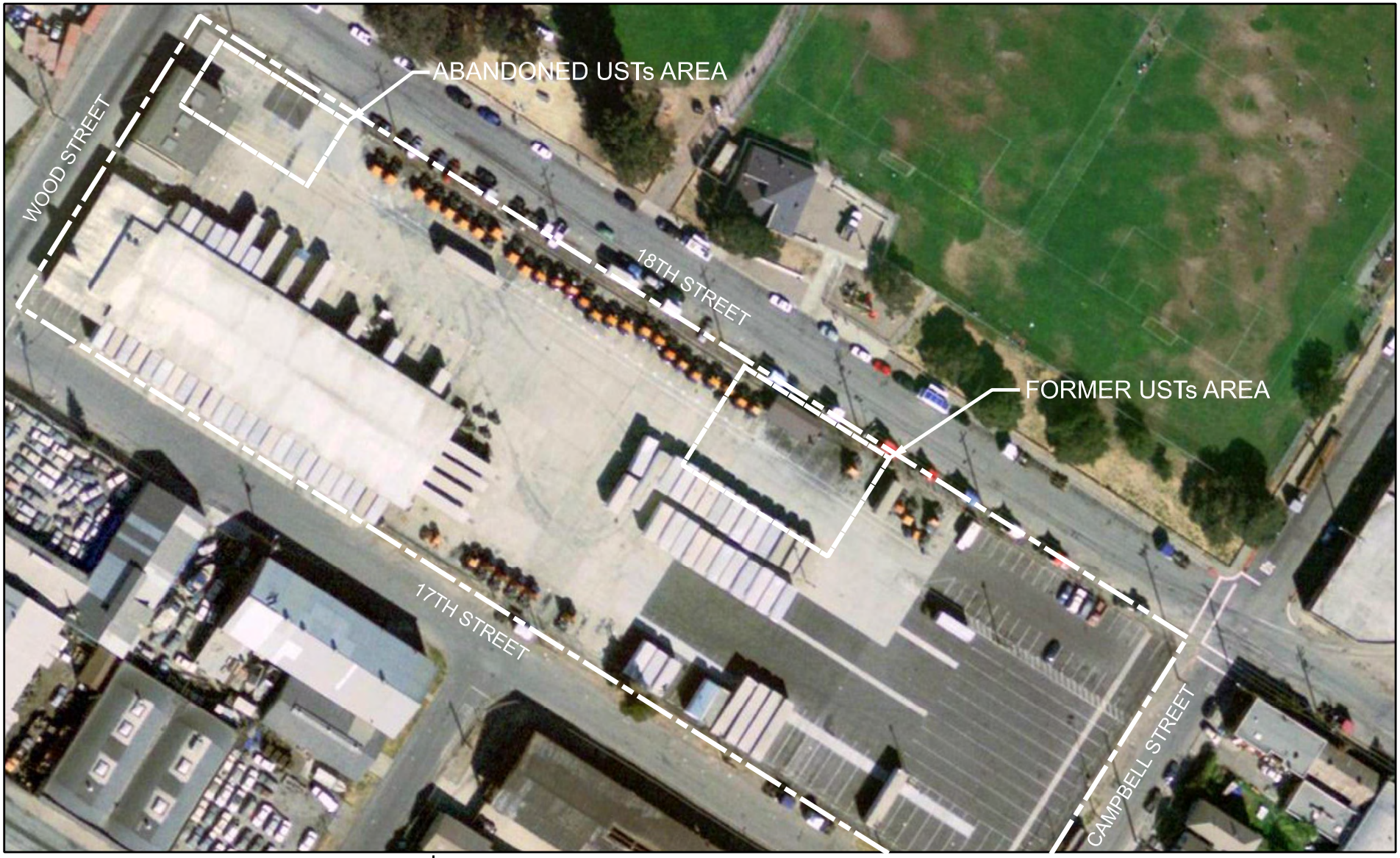


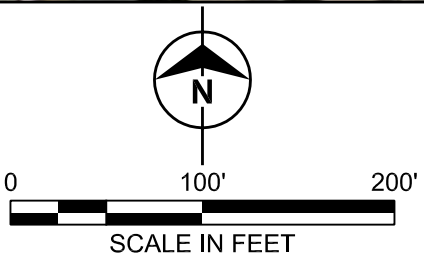
Burns & McDonnell
SINCE 1898

Figure 1

SITE LOCATION MAP
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\YRC OAKLAND FIG 1.DGN 12-04-2007 16:40 F_BITTNE

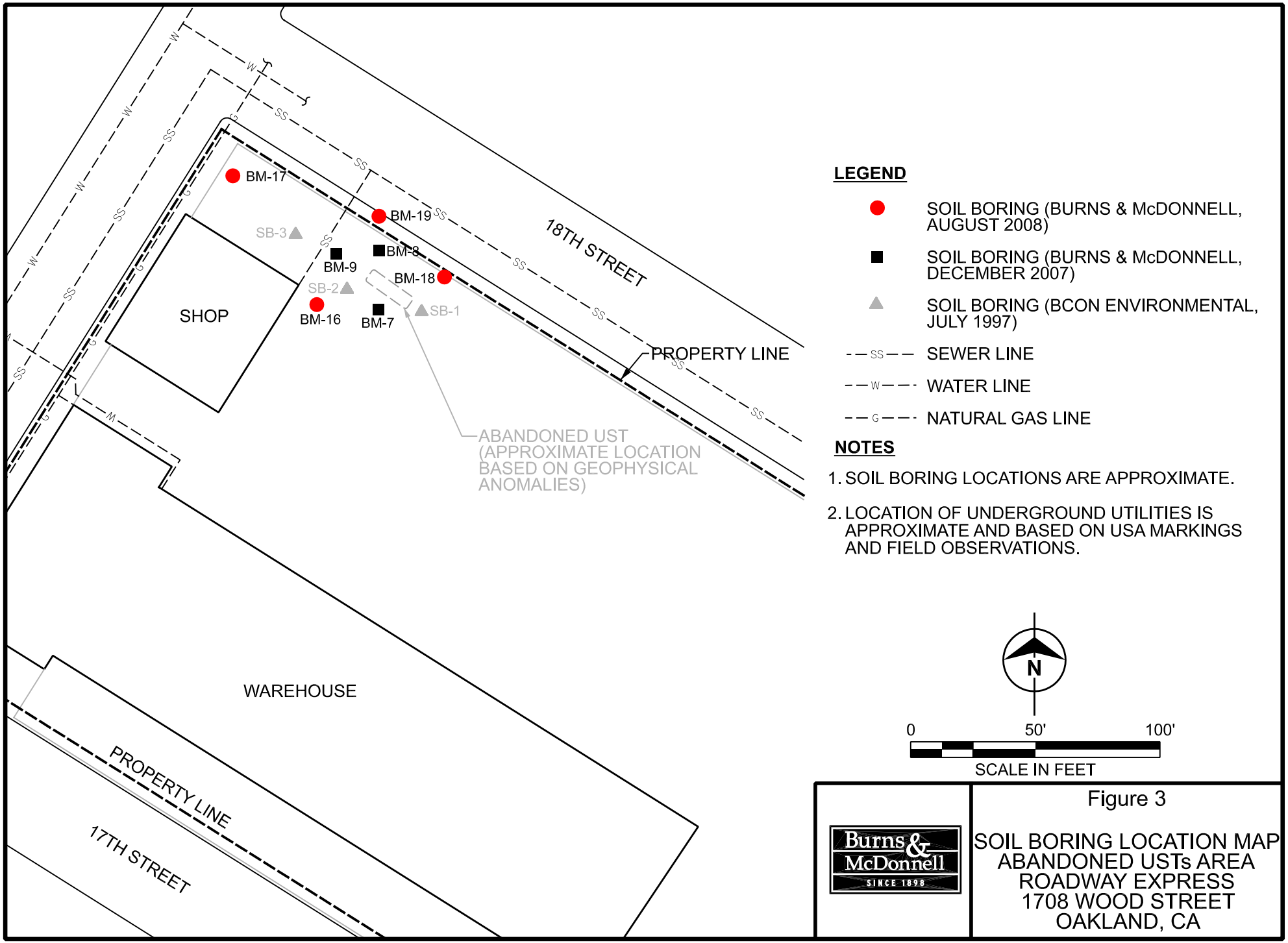




Burns & McDonnell
SINCE 1898

Figure 2

SITE MAP
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA



LEGEND

- SOIL BORING (BURNS & McDONNELL, AUGUST 2008)
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007)
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SS SEWER LINE
- W WATER LINE
- G NATURAL GAS LINE

NOTES

1. SOIL BORING LOCATIONS ARE APPROXIMATE.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

0 50' 100'

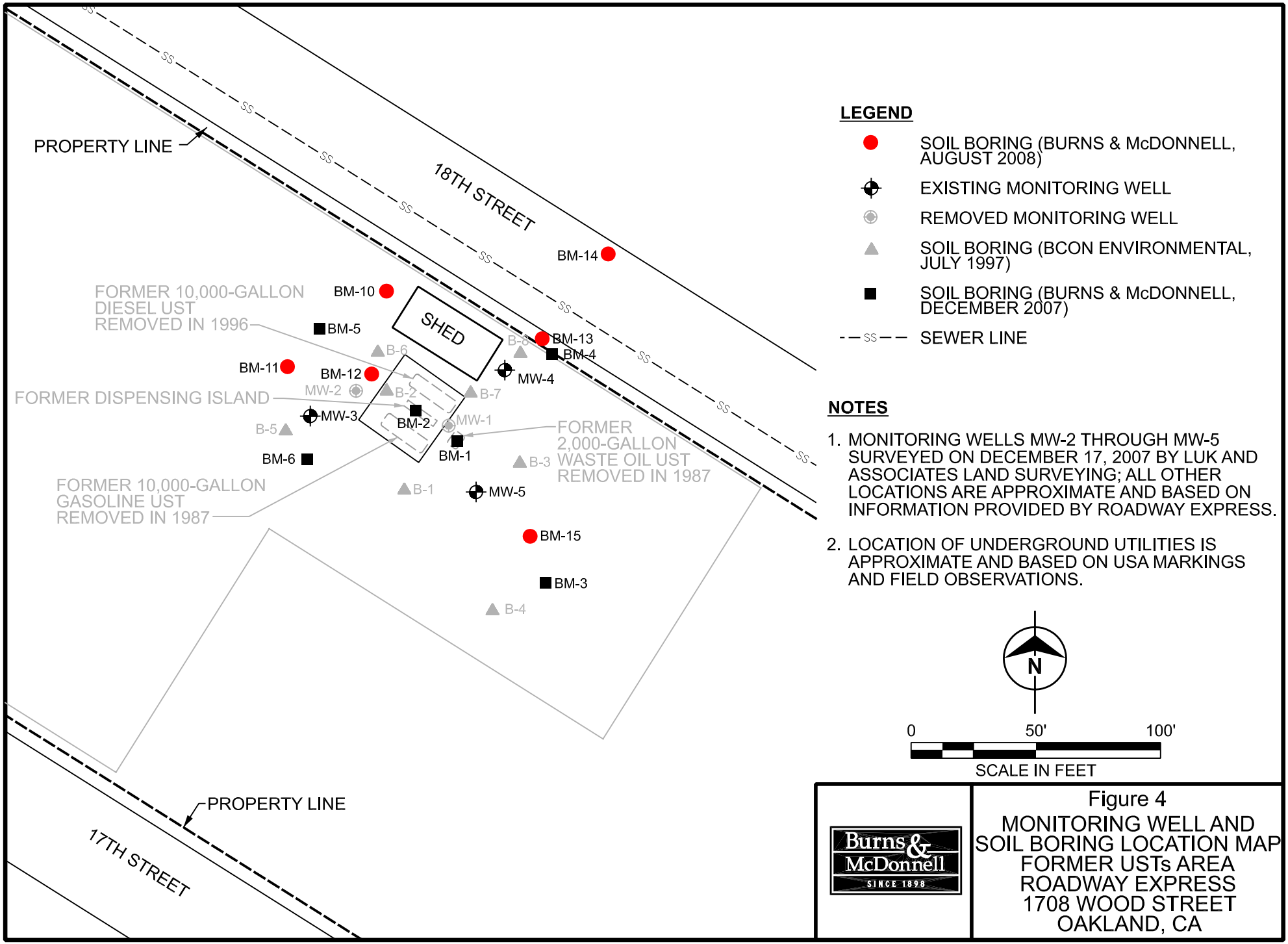
SCALE IN FEET

Figure 3

SOIL BORING LOCATION MAP
ABANDONED USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

Burns & McDonnell SINCE 1898

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\NSITE\YRC-OAK 2008-NORTH SITE.DGN 9-04-2008 12:41 F_BITTNE



LEGEND

- SOIL BORING (BURNS & McDONNELL, AUGUST 2008)
- EXISTING MONITORING WELL
- REMOVED MONITORING WELL
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007)
- SS SEWER LINE

NOTES

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

0 50' 100'

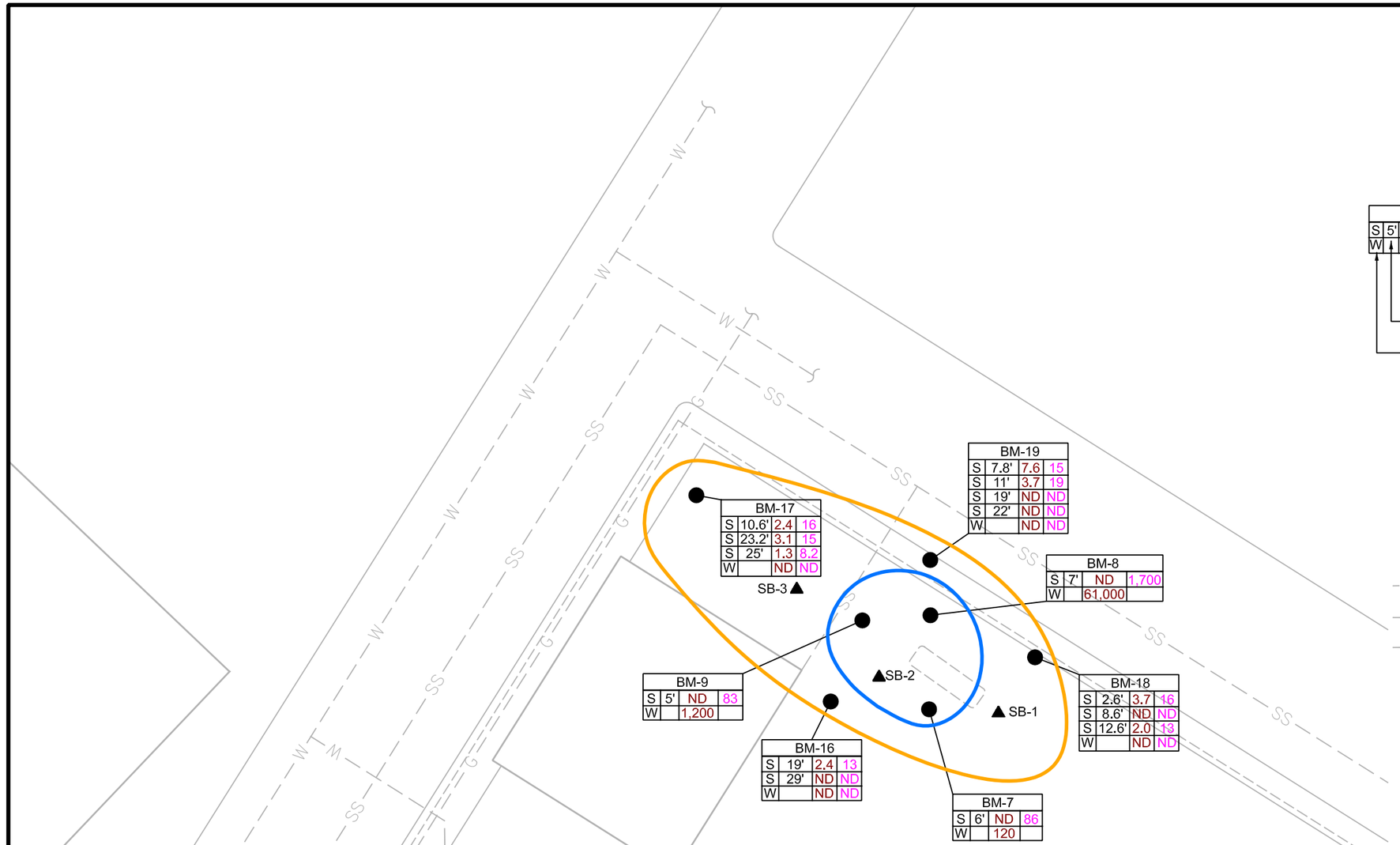
SCALE IN FEET

Burns & McDonnell SINCE 1898

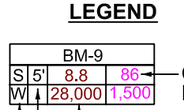
Figure 4

MONITORING WELL AND SOIL BORING LOCATION MAP
FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\N\SITE\YRC-OAK 2008-SOUTH SITE.DGN 9-04-2008 12:37 F_BITTNE



LEGEND



- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL (TPHmo)
- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPHd)
- SAMPLE DEPTH (FEET BGS)
- SAMPLE IDENTIFIER:
  S=SOIL SAMPLE
  W=GROUNDWATER SAMPLE
- DETECTABLE CONCENTRATION OF TPH IN SOIL
- DETECTABLE CONCENTRATION OF TPH IN GROUNDWATER
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007 AND AUGUST 2008)
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SS — SEWER LINE
- W — WATER LINE
- G — GAS LINE

NOTES

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

0 30' 60'

SCALE IN FEET

Figure 5

TPH CONCENTRATIONS IN SOIL & GROUNDWATER
ABANDONED USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

Burns & McDonnell SINCE 1898

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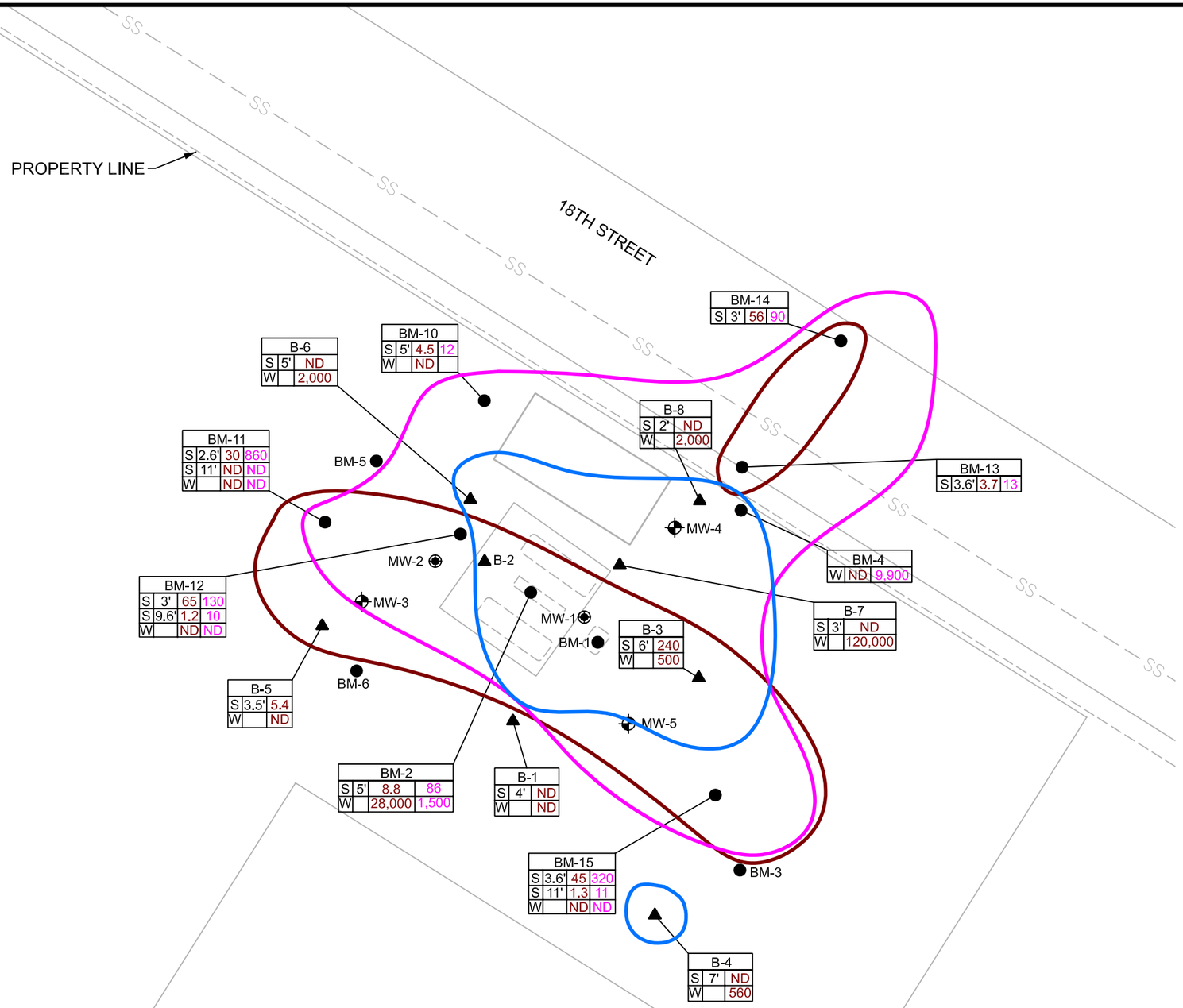


LEGEND

BM-2
S 5' 8.8 86
W 28,000 1,500

- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL (TPHmo)
- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPHd)
- SAMPLE DEPTH (FEET BGS)
- SAMPLE IDENTIFIER: S=SOIL SAMPLE W=GROUNDWATER SAMPLE
- DETECTABLE CONCENTRATION OF TPHd IN SOIL
- DETECTABLE CONCENTRATION OF TPHmo IN SOIL
- DETECTABLE CONCENTRATION OF TPH IN GROUNDWATER
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007 AND AUGUST 2008)
- EXISTING MONITORING WELL
- REMOVED MONITORING WELL
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SEWER LINE

NOTES

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

0 30' 60'

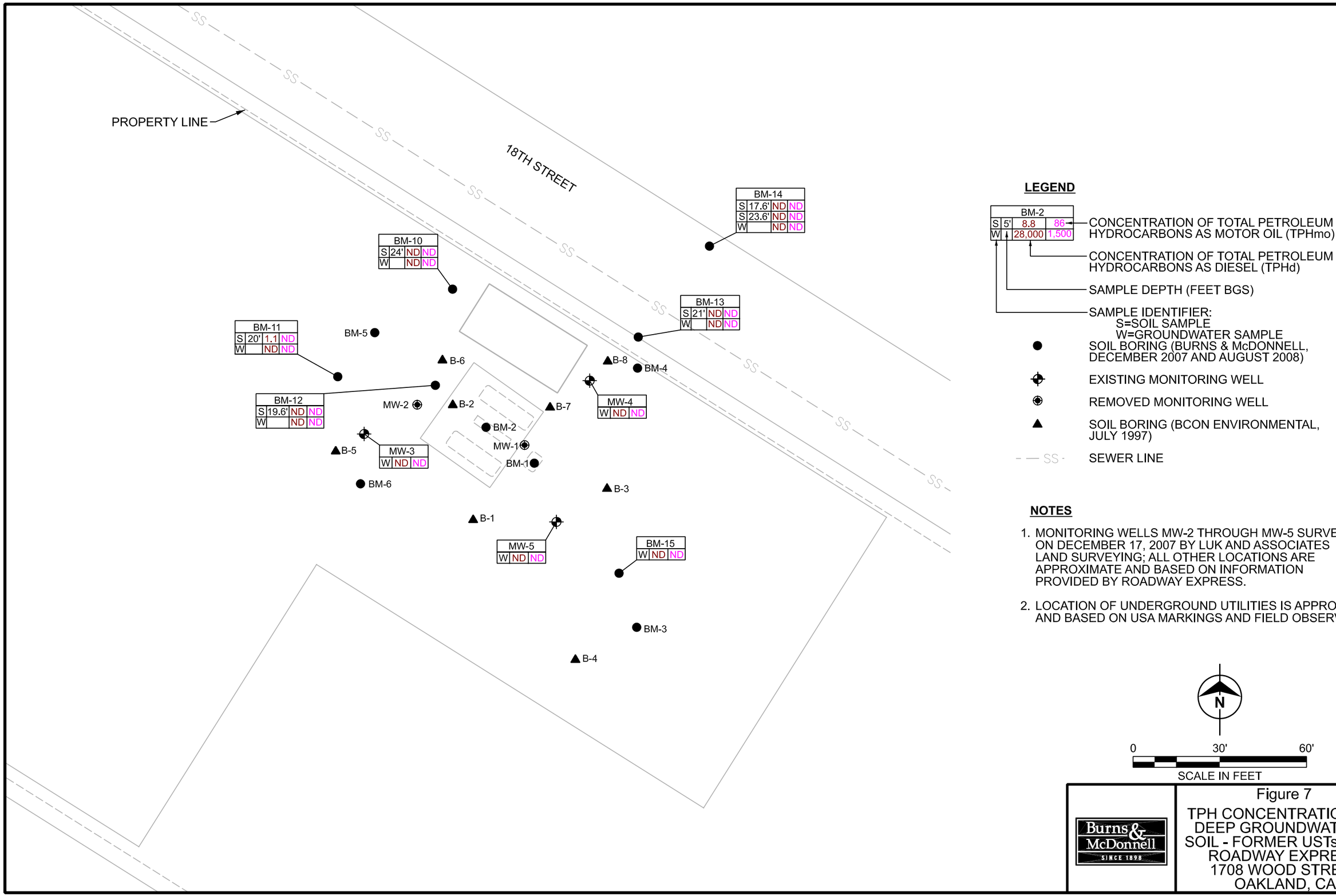
SCALE IN FEET

Figure 6

TPH CONCENTRATIONS IN SHALLOW GROUNDWATER & SOIL - FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

Burns & McDonnell SINCE 1898

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\YRC-OAK 2008-SOUTH-SHALLOW.DGN 9-04-2008 11:45 F_BITTNE



NOTES

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

Figure 7

TPH CONCENTRATIONS IN DEEP GROUNDWATER & SOIL - FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

APPENDIX A

ALAMEDA COUNTY ENVIRONMENTAL HEALTH LETTER, MARCH 18, 2008

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 18, 2008

Mr. Robert E. Zimmermann
Roadway Express Inc.
P.O. Box 471
Akron, OH 44309-0471

Subject: Fuel Leak Case No. RO0000039 and Geotracker Global ID T0600102107,
Roadway Express, 1708 Wood Street, Oakland, CA 94607

Dear Mr. Zimmermann:

This letter is sent in response to our meeting with Mr. Ruben Byerley and your environmental consultants Mr. Patrick Bratton and Mr. Gary Messerotes with Burns & McDonnell, on Tuesday, March 18, 2008 at our office. The meeting was to discuss the findings summarized in the document entitled, "Site Investigation" [Report], dated February 5, 2008, which was prepared by Burns & McDonnell, and discuss the next appropriate course of action for the site. Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted above-mentioned Report. The report details the installation of six direct push borings in the vicinity of the central eastern portion of the site where the former fuel and waste oil USTs had been removed and the installation of 3 boring surrounding the abandoned-in-place USTs, located in the northwest portion of the site. Elevated concentrations of total petroleum hydrocarbons (TPH) as diesel (d), motor oil (mo) and total oil and grease (TOG) were detected in several "grab" groundwater samples collected from the site.

ACEH generally concurs with Burns & McDonnell's recommendation to prepare a work plan and requests that you address the following technical comments and send us the technical reports described below.

TECHNICAL COMMENTS

1. **Monitoring Wells and Hydrogeologic Setting** – Monitoring well MW-2 is installed to a depth of approximately 9.2 feet bgs with a screened interval from 0.5 feet to 9.2 feet bgs. Monitoring wells MW-3, MW-4, and MW-5 are installed to a depth of 30 feet below the ground surface (bgs) with a screened interval from 10 feet to 30 feet bgs. Depth to groundwater at the site ranges from approximately 3.66 feet bgs to 5.45 feet bgs. Since groundwater elevation is above the screened interval for monitoring wells MW-3, MW-4, and MW-5 and petroleum hydrocarbons have a specific gravity that is lower than water (therefore, float on water); concentrations of contaminants may not be representative of actual site conditions. Therefore, the monitoring wells MW-3, MW-4, and MW-5 appear to be incorrectly constructed, which may affect the contaminant concentrations detected in groundwater. Another concern is regarding the shallow screened interval of groundwater monitoring well

MW-2, which is reported to be from 0.5 feet to 9.2 feet bgs. Specifically, the sanitary seal for MW-2 may not be constructed in accordance with California Well Standards and may pose a potential preferential pathway for surface contaminants to the subsurface. Please evaluate and discuss the effect that groundwater elevations rising above monitoring well screens have on hydrocarbon concentrations for each monitoring well at the site as well as the shallow screen interval and construction of MW-2. It may be advantageous to collect depth discrete groundwater samples or install multi-level monitoring wells, monitoring well clusters, or systems capable of monitoring multiple depths. Please address the above-mentioned concerns and include your analysis in the work plan requested below.

2. **Preferential Pathway Study** – The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the NAPL and/or plume encountering preferential pathways and conduits that could spread contamination. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for vertical and lateral migration that may be present in the vicinity of the site.

   Discuss your analysis and interpretation of the results of the preferential pathway study and report your results in the soil and groundwater investigation work plan requested below. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

   a. Utility Survey

   An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

   b. Well Survey

   The preferential pathway study shall include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, decommissioned (sealed with concrete), abandoned (improperly decommissioned or lost); and dewatering, drainage, and cathodic protection wells) within a ¼ mile radius of the subject site. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties in the vicinity of the site. Use the results of your background study to determine the existence of unrecorded/unknown (abandoned) wells, which can act as contaminant migration pathways at or from your site. Please review and submit copies of historical maps, such as Sanborn maps, aerial photographs, etc., when conducting the background study.

3. **Soil and Groundwater Characterization** – The vertical and lateral extent of the hydrocarbon plume in groundwater appears uncharacterized at this time. The groundwater flow direction has been reported in September 1999 to be in a southeasterly direction. However, more recent calculations indicate a northwesterly groundwater flow direction.

   Elevated concentrations of petroleum hydrocarbons have been detected in "grab" groundwater samples collected at the site. Analytical results from "grab" groundwater

samples collected from boring BM-8 and BM-9, located in the northwest portion of the site, detected 61,000 µg/L TPH-d and 1,200 µg/L TPH-d, respectively. In the central portion of the site, 28,000 µg/L TPH-d was detected in a "grab" groundwater sample collected from BM-2. A lower concentration of TPH-d (120 µg/L) was detected in a groundwater sample collected from monitoring well MW-2. In summary, the analytical results, compounded with a significantly varied groundwater flow direction, have made it difficult to determine whether the hydrocarbon plume is adequately assessed. Please address the above-mentioned concerns and submit a work plan.

4. **GeoTracker Compliance** – A review of the case file and the State Water Resources Control Board's (SWRCB) GeoTracker website indicate that electronic copies of analytical data have not been submitted, rendering the site to non-compliance status. Pursuant to California Code of Regulations, Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude to sub-meter accuracy using NAD 83. A California licensed surveyor may be required to perform this work. Additionally, pursuant to California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3893, 3894, and 3895, beginning July 1, 2005, the successful submittal of electronic information (i.e. report in PDF format) shall replace the requirement for the submittal of a paper copy. Please complete the surveying and upload all applicable electronic submittal types such as the analytical data (EDF), survey data (GEO_XY and GEO_Z), and PDF reports from July 1, 2005 to current to GeoTracker. Electronic reporting is described below.

REQUEST FOR INFORMATION

ACEH's case file for the subject site contains only the electronic reports as listed on our website (http://www.acgov.org/aceh/lop/ust.htm). You are requested to submit copies of all other reports related to environmental investigations for this property (including Phase I and Phase II reports) by **April 30, 2008**.

TECHNICAL REPORT REQUEST

Please submit a Work Plan, FS/CAP, and technical reports to Alameda County Environmental Health (Attention: Paresh Khatri), according to the following schedule:

- **April 30, 2008** – Quarterly Monitoring Report (1st Quarter 2008,)
- **May 6, 2008** – Soil and Water Investigation Work Plan (including Preferential Pathway evaluation)
- **July 30, 2008** – Quarterly Monitoring Report (2nd Quarter 2008)

- **October 30, 2008** – Quarterly Monitoring Report (3rd Quarter 2008)
- **January 30, 2009** – Quarterly Monitoring Report (4th Quarter 2008)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to

present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at Paresh.Khatri@acgov.org.

Sincerely,

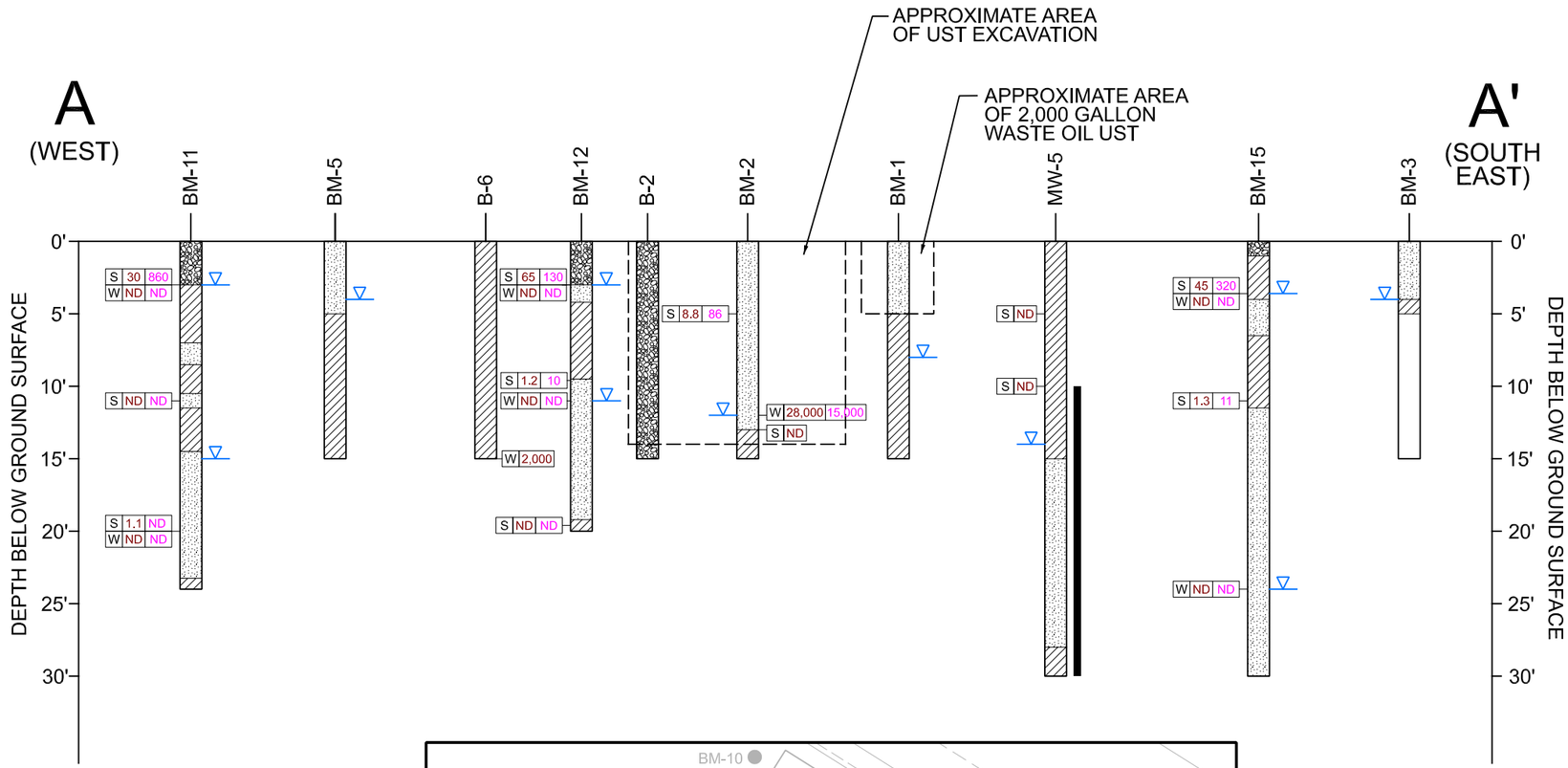
Paresh C. Khatri
Hazardous Materials Specialist

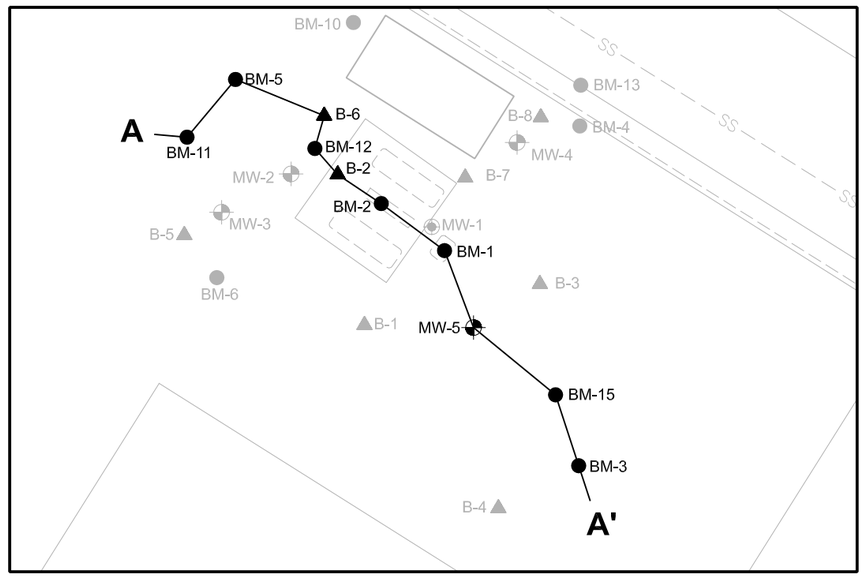
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ruben Byerley, YRC North American Transportation, Inc., 10990 Roe Avenue, Overland Park, KS 66211
Gary Messerotes, Burns & McDonnell, 393 East Grand Avenue, Suite J, South San Francisco, CA 94080
Patrick Bratton, Burns & McDonnell, 393 East Grand Avenue, Suite J, South San Francisco, CA 94080
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032
Donna Drogos, ACEH
Paresh Khatri, ACEH
File

APPENDIX B

CROSS-SECTIONS





CROSS SECTION A-A' LOCATION MAP

0 20' 40' 80'

SCALE IN FEET

N

LEGEND

S 1.3 11 — CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN SOIL

CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN SOIL

SAMPLE IDENTIFIER:
S=SOIL SAMPLE
W=GROUNDWATER SAMPLE

ND — NOT DETECTED AT OR ABOVE DETECTION LIMITS

GROUNDWATER LEVEL MEASURED DURING DRILLING

GROUNDWATER WELL SCREENED INTERVAL

SIMPLIFIED LITHOLOGY:

- GRAVELLY SOIL
- SANDY SOIL
- CLAYEY SOIL
- NO RECOVERY

NOTES

1. SOIL CONCENTRATION UNITS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)
2. GROUNDWATER CONCENTRATION UNITS ARE MICROGRAMS PER LITER (µg/L)
3. GROUND SURFACE SHOWN FLAT FOR PRESENTATION PURPOSES.

0 10' 20' 40'

HORIZONTAL SCALE IN FEET

0 10' 20'

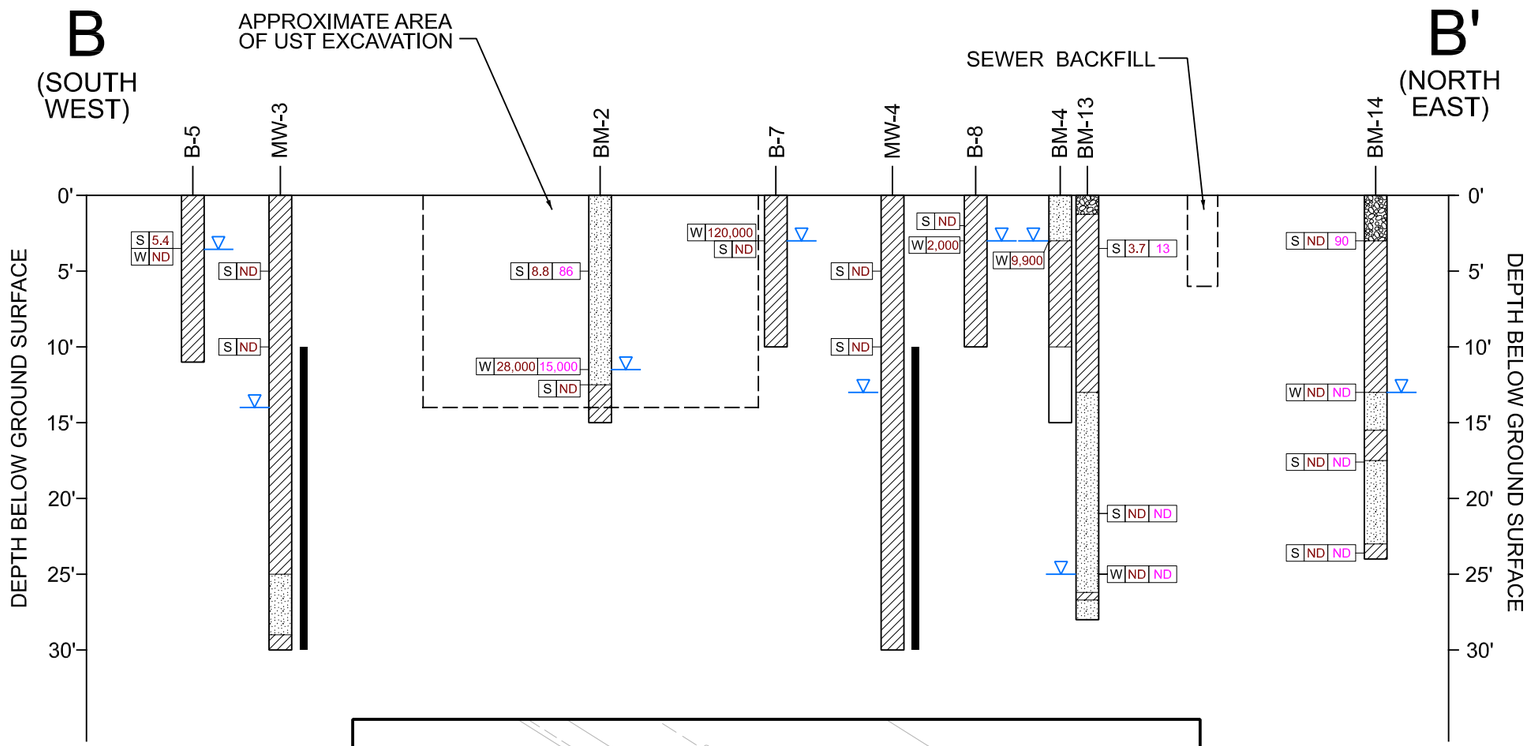
VERTICAL SCALE IN FEET

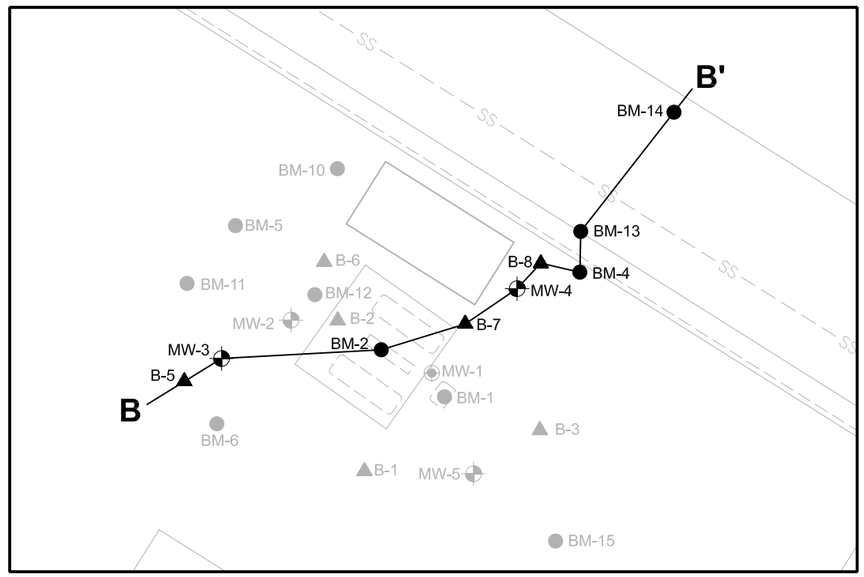
VERTICAL EXAGGERATION: 2X

Burns & McDonnell SINCE 1898

Figure

CROSS SECTION A-A' & TPH CONCENTRATIONS
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA





CROSS SECTION B-B' LOCATION MAP

0 20' 40' 80'

SCALE IN FEET

N

LEGEND

S 1.3 11 — CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN SOIL

CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN SOIL

SAMPLE IDENTIFIER:
S=SOIL SAMPLE
W=GROUNDWATER SAMPLE

ND — NOT DETECTED AT OR ABOVE DETECTION LIMITS

GROUNDWATER LEVEL MEASURED DURING DRILLING

GROUNDWATER WELL SCREENED INTERVAL

SIMPLIFIED LITHOLOGY:

- GRAVELLY SOIL
- SANDY SOIL
- CLAYEY SOIL
- NO RECOVERY

NOTES

1. SOIL CONCENTRATION UNITS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)
2. GROUNDWATER CONCENTRATION UNITS ARE MICROGRAMS PER LITER (µg/L)
3. GROUND SURFACE SHOWN FLAT FOR PRESENTATION PURPOSES.

0 10' 20' 40'

HORIZONTAL SCALE IN FEET

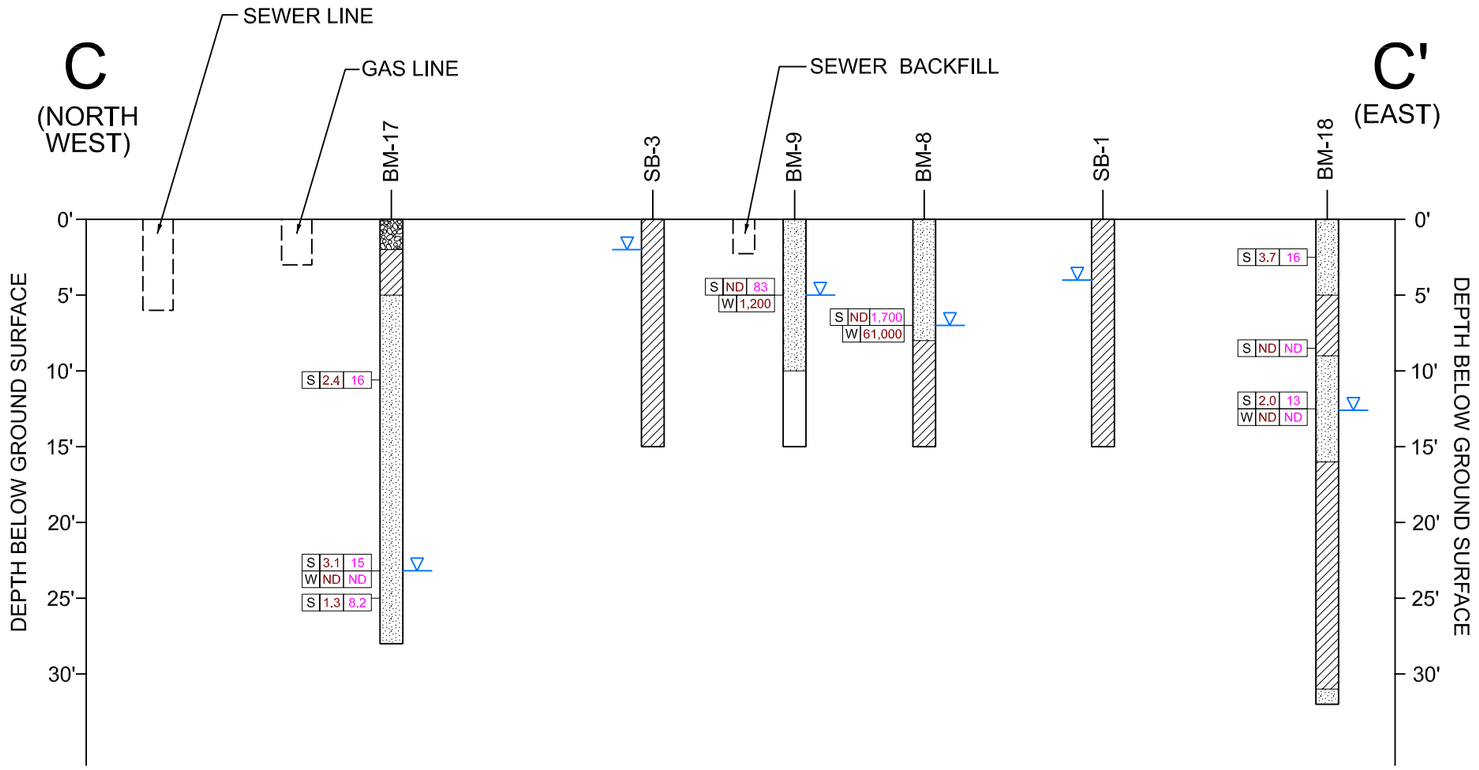
0 10' 20'

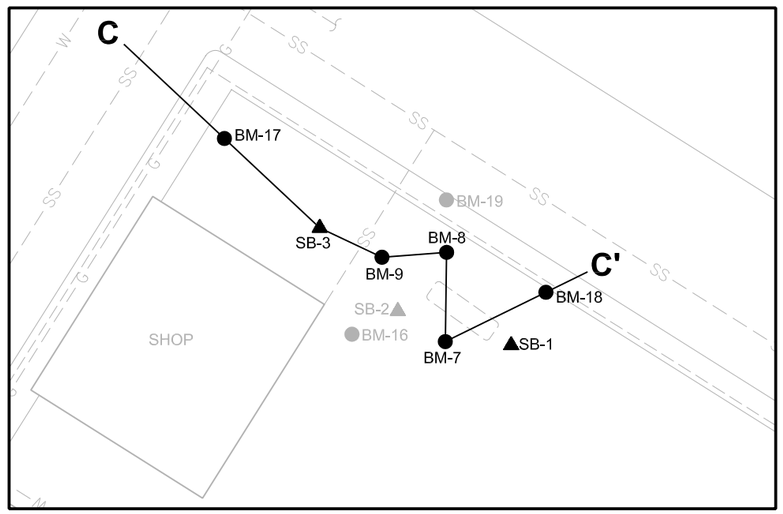
VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION: 2X

Figure

CROSS SECTION B-B' & TPH CONCENTRATIONS
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA





CROSS SECTION C-C' LOCATION MAP

0 20' 40' 80'

SCALE IN FEET

N

LEGEND

S 1.3 11 — CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN SOIL

CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN SOIL

SAMPLE IDENTIFIER:
S=SOIL SAMPLE
W=GROUNDWATER SAMPLE

ND — NOT DETECTED AT OR ABOVE DETECTION LIMITS

GROUNDWATER LEVEL MEASURED DURING DRILLING

GROUNDWATER WELL SCREENED INTERVAL

SIMPLIFIED LITHOLOGY:

- GRAVELLY SOIL
- SANDY SOIL
- CLAYEY SOIL
- NO RECOVERY

NOTES

1. SOIL CONCENTRATION UNITS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)
2. GROUNDWATER CONCENTRATION UNITS ARE MICROGRAMS PER LITER (μg/L)
3. GROUND SURFACE SHOWN FLAT FOR PRESENTATION PURPOSES.

0 10' 20' 40'

HORIZONTAL SCALE IN FEET

0 10' 20'

VERTICAL SCALE IN FEET

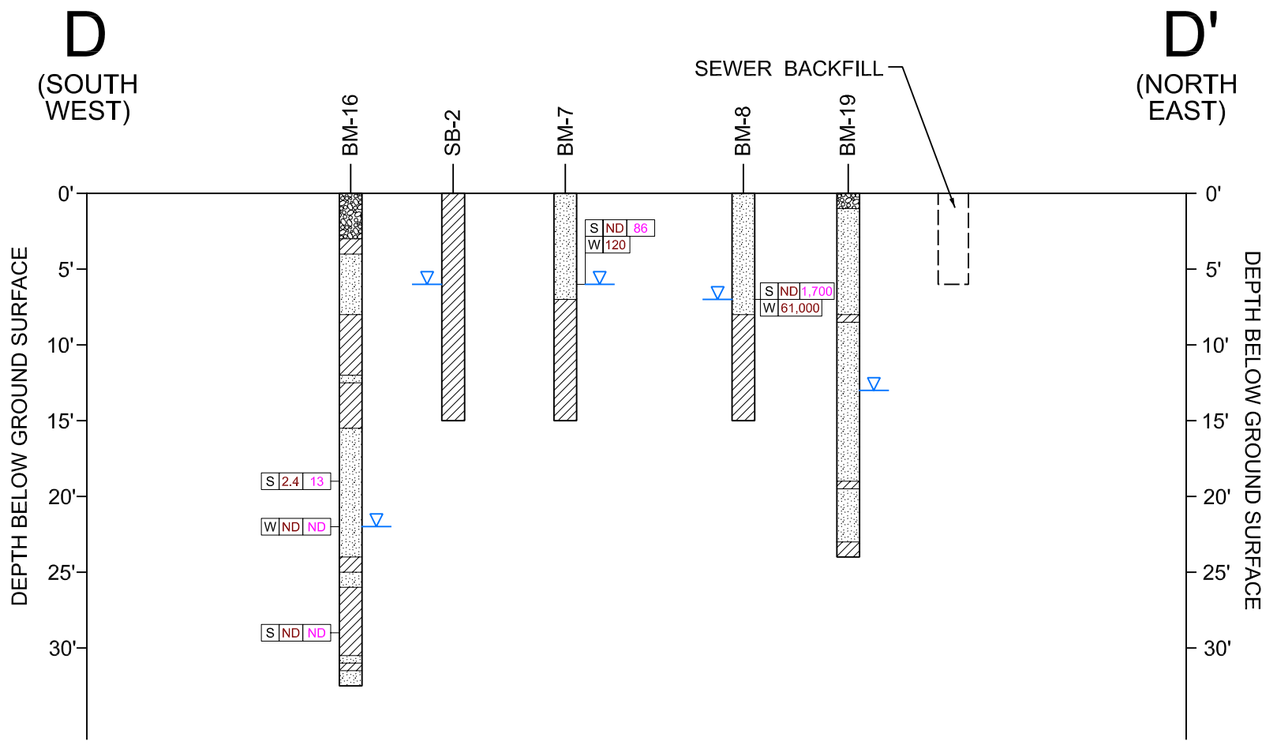
VERTICAL EXAGGERATION: 2X

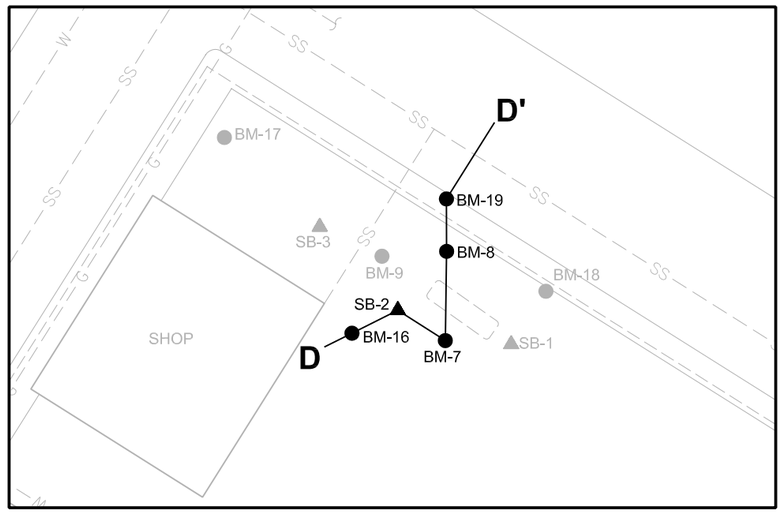
Burns & McDonnell SINCE 1898

Figure

CROSS SECTION C-C' & TPH CONCENTRATIONS
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\YRC-OAK 2008-XSEC C-C'.DGN 9-02-2008 11:00 F_BITTNER





CROSS SECTION D-D' LOCATION MAP

0 20' 40' 80'

SCALE IN FEET

N

LEGEND

S 1.3 11 — CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN SOIL

CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN SOIL

SAMPLE IDENTIFIER:
S=SOIL SAMPLE
W=GROUNDWATER SAMPLE

ND — NOT DETECTED AT OR ABOVE DETECTION LIMITS

GROUNDWATER LEVEL MEASURED DURING DRILLING

GROUNDWATER WELL SCREENED INTERVAL

SIMPLIFIED LITHOLOGY:

- GRAVELLY SOIL
- SANDY SOIL
- CLAYEY SOIL
- NO RECOVERY

NOTES

1. SOIL CONCENTRATION UNITS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)
2. GROUNDWATER CONCENTRATION UNITS ARE MICROGRAMS PER LITER (µg/L)
3. GROUND SURFACE SHOWN FLAT FOR PRESENTATION PURPOSES.

0 10' 20' 40'

HORIZONTAL SCALE IN FEET

0 10' 20'

VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION: 2X

Figure

CROSS SECTION D-D' & TPH CONCENTRATIONS
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

APPENDIX C

BORING AND WELL DESTRUCTION PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 07/31/2008 By jamesy

Permit Numbers: W2008-0518
Permits Valid from 08/04/2008 to 08/05/2008

Application Id: 1217541590903
City of Project Site: Oakland
Site Location: 1708 Wood Street
Project Start Date: 08/04/2008
Completion Date: 08/05/2008
Requested Inspection: 08/04/2008
Scheduled Inspection: 08/04/2008 at 1:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: Burns & McDonnel, Inc - Patrick Bratton
393 East Grand Ave, Suite J, South San Francisco, CA 94080
Phone: 650-871-2926

Property Owner: YRC North America c/o ruben Byerley
10990 Roe Ave, Oakland Park, KS 62211
Phone: 913-234-8940

Client: ** same as Property Owner **

Total Due: $230.00
Receipt Number: WR2008-0265 **Total Amount Paid:** $230.00
Payer Name : Burns & McDonnell Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 10 Boreholes
Driller: RSI, Inc - Lic #: 802334 - Method: DP **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0518	07/31/2008	11/02/2008	10	3.00 in.	25.00 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 Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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. Permitte, 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. 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.

8. 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.

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 08/06/2008 By jamesy

Permit Numbers: W2008-0527
Permits Valid from 08/07/2008 to 08/08/2008

Application Id: 1218045131719
City of Project Site: Oakland
Site Location: Roadway Express
1708 Wood Street
Project Start Date: 08/07/2008
Completion Date: 08/08/2008
Requested Inspection: 08/07/2008
Scheduled Inspection: 08/07/2008 at 12:30 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: Burns & McDonnell - Patrick Bratton
393 East Grand Ave Suite J, South San Francisco, CA 94080
Phone: 650-871-2926
Property Owner: Ruben Byerley
10990 Roe Ave, Overland Park, KS 66211
Phone: --
Client: ** same as Property Owner **
Contact: Simon Barber
Phone: 415-505-2884
Cell: 415-505-2884

Total Due: $345.00
Receipt Number: WR2008-0273 **Total Amount Paid:** $345.00
Payer Name : Patrick Bratton Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells
Driller: RSI - Lic #: 802334 - Method: press **Work Total: $345.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0527	08/06/2008	11/05/2008	MW-1	4.00 in.	4.00 in.	0.00 ft	8.50 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

7. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

8. 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.

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 07/31/2008 By jamesy

Permit Numbers: W2008-0519
Permits Valid from 08/04/2008 to 08/07/2008

Application Id: 1217541982064
City of Project Site: Oakland
Site Location: 1708 Wood Street
Project Start Date: 08/07/2008
Completion Date: 08/07/2008
Requested Inspection: 08/07/2008
Scheduled Inspection: 08/07/2008 at 10:30 AM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)
Extension Start Date: 08/04/2008
Extension End Date: 08/07/2008
Extension Count: 1
Extended By: vickyh1

Applicant: Burns & McDonnell - Patrick Bratton
393 East Grand Ave.,Suite J, South San Francisco, CA 94080
Phone: 650-871-2926

Property Owner: YRC North America c/o Ruben Byerley
10990 Roe Ave, Overland Park, KS 66211
Phone: 913-234-8940

Client: ** same as Property Owner **

	Total Due:	$345.00
Receipt Number: WR2008-0266	**Total Amount Paid:**	$345.00
Payer Name : Burns & McDonnell	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 1 Wells
Driller: RSI, Inc - Lic #: 802334 - Method: press

Work Total: $345.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2008-0519	07/31/2008	11/05/2008	MW-2	8.00 in.	4.00 in.	0.00 ft	10.00 ft	N/A	N/A	N/A

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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6. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

7. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

8. 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.

APPENDIX D

BORING LOGS

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name: YRCW Roadway Express Oakland	Project Number: 48791	Boring/Well Number: BM-10
	Ground Elevation:	Location: 1708 Wood Street	Page: 1 of 2
Air Monitoring Equipment: Mini RAE 2000			Total Footage: 28

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			3	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe
Date:	8/4/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	Concrete	CONCRETE								
	SP	SAND - dark gray to black, medium to coarse-grained, moist. <5 % white, medium, dry, sand and rare green staining				0833			0/0/0	
		bricks and gravel 1cm to 2cm								▽
	CL	BAY MUD								
5					100%	0905	BM-10-1S		0/0/0	
	SP	SAND - two inch sand lens, black medium sand								
	PT	PEAT - heavy organics, brown, weed like								
	CL	BAY MUD			80%	0938			0/0/0	
10										

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-10
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CL									
15										
	SP	SAND - black, moist, medium, subangular to subrounded, homogenous				0948			0/0/0	
	SP	SAND - green Gley 1 4/10 GY, some clay								
	SC	SANDY CLAY - Gley 1 4/10 GY to black, same sand with clay								
20	SP	SAND - same sand, 10YR 5/4, yellowish brown			100%	0952			0/0/0	
					100%	0955	BM-10-2S		0/0/0	
25	CL	CLAY - 10YR 6/6 with black smears, some red staining (bioturbation)								
		END OF BORING			100%	1000				

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-11
	Ground Elevation	Location	Page
		1708 Wood Street	1 of 2
Air Monitoring Equipment			Total Footage
Mini RAE 2000			24

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			3	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/4/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CONCRETE	CONCRETE				1405				
	FILL	FILL - angular gravel, black with coarse sand, similar to asphalt							0/0/0	
					100%	1420	BM-11-1S			▽
	CL	BAY MUD - with organics								
5									0/0/0	
						1455				
	SP	SAND - very dark gray to black, 2.5Y 3/1, fine to medium, subangular, wet; with some fines and clay lenses <1cm			100%	1500				
	CL	BAY MUD - peat								
10										
	SP	SAND - black to very dark gray, medium, homogenous; some clays					BM-11-2S		0/0/0	
	CL	BAY MUD- peat			100%	1502				

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-11
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CL									
	SP	SAND - green to black, Gley 2 3/10 GY, medium to coarse, angular to subangular, homogenous, wet			100%	1503				
15										
	SP	same sand but brown 10YR 4/4								
20						1505	BM-11-3S		0/0/0	
					100%	1510			0/0/0	
	SC	SANDY CLAY - 10Y 4/4, firm, some moisture, sand very fine grain								
	CL	CLAY- firm, some moisture								
		END OF BORING								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name: YRCW Roadway Express Oakland	Project Number: 48791	Boring/Well Number: BM-12
	Ground Elevation:	Location: 1708 Wood Street	Page: 1 of 2
Air Monitoring Equipment: Mini RAE 2000			Total Footage: 20

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			3	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/4/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	Concrete	CONCRETE								
	Fill	FILL - dark brown sand and clay				1600				
	SP	SAND - black, medium to coarse, subangular, homogenous, some moisture					BM-12-1S		0/0/0	▽
	SC	SANDY CLAY - very dark gray to black, very fine grained, very soft								
5						1621 (8/4)				
	CL	BAY MUD- dark brown, very wet							0/0/0	
						1202 (8/5)				
		heavy organics								
	CL	BAY MUD - very dark gray green, gley 2 4/10 NG, soft, wet			100%	1207				
						1225	BM-12-2S		0/0/0	
	SP	SAND - very dark gray to black, wet to saturated ,medium, homogenous; some silt								
10										
					100%	1201			0/0/0	
	SP	SAND - greenish gray, medium, dense, wet; rare organics								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-12
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP									
15						1212			0/0/0	
	SP	SAND - Saturated, brown, 2.5 HY 4/3, medium grained, homogenous								
	SP	same sand but not saturated								
	SC	SANDY CLAY - dark brown, 2.5 YN 5/4								
20		END OF BORING				1232	BM12-3S		0/0/0	

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-13
	Ground Elevation	Location	Page
		1708 Wood Street	1 of 2
Air Monitoring Equipment			Total Footage
Mini RAE 2000			28

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			25	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/5/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	ASPHALT	ASPHALT				0845				
	FILL	FILL - road base, gravel and sand								
	SP SC	SANDY CLAY - 10YR 3/2, moist, heterogenous, sand, silt, rare very fine sand (fill?)							0/0/0	
	CL	BAY MUD - dark gray green with organics, mild odor, firm; some moisture				0910	BM-13-1S			
5	PT	PEAT- heavy organics			30%	0920			0/0/0	
						0930			0/0/0	
10					60%	0933			0/0/0	
	SP	SAND - dark grayish brown, 2.5 Y 3/2, medium, subangular, homogenous, moist								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-13
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP									
	SP	same sand; but green with some fines (clay), Gley 2 3/10 G			60%	0934			0/0/0	
15										
	SP	same sand; brown, rare wood								
20					95%	0937			0/0/0	
	SP	same sand; with organics, straining (bioturbated), a bit coarser					BM-13-2S		0/0/0	
					100%	0940			0/0/0	
25	SP	SAND - Saturated, coarse to medium sand, subangular, homogenous								▽
	SP	SAND - medium, wet								
	SC	SANDY CLAY - tan, soft 2.5Y 5/3, one inch lens								
	SP	SAND - same as above								
	SP	END OF BORING - sands heaving			100%	0948			0/0/0	

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name: YRCW Roadway Express Oakland	Project Number: 48791	Boring/Well Number: BM-14
	Ground Elevation:	Location: 1708 Wood Street	Page: 1 of 2
Air Monitoring Equipment: Mini RAE 2000			Total Footage: 24

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			13	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/5/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	ASPHALT	ASPHALT				1020				
	FILL	FILL - sand, silt, clay, odor, loose, some moisture								
	CL	BAY MUD - black green gray with organics					BM-14-1S		0/0/0	
5						1000			0/0/0	
	PT	one inch black organic layer, brown peat, organics, clay			40%	1044			0/0/0	
10					60%	1047			0/0/0	▽
	SP	SAND - black Gley 1 2.5/N, medium, homogenous; with <10% organics								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-14
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP									
15										
	SC	SANDY CLAY - greenish gray, Gley 2 3/5 BG, soft			70%	1049			0/0/0	
	SC	SANDY CLAY - firm								
	SC	SAND - green, medium, dense			80%	1052	BM-14-2S		0/0/0	
	SC	same sand but brown, 2.5Y 5/7, wet								
20	SC	SAND - Saturated, sand as above, loose								
	SC	SANDY CLAY - 2.5 Y 5/4, very firm, some organics; orange stains			100%	1055	BM-14-3S		0/0/0	
	SC	END OF BORING								

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-15
	Ground Elevation	Location	Page
		1708 Wood Street	1 of 2
Air Monitoring Equipment			Total Footage
Mini RAE 2000			30

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			24	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/5/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CONCRETE	CONCRETE - one inch							0/0/0	
	GRAVEL	GRAVEL - wet				1334				
	SC	SANDY CLAY - dark gray to black, soft								
					30%	1340	BM-15-1S		0/0/0	
5	SP	SAND - 10YR 3/1, very dark gray, medium, subangular, homogenous sand. Alternating one inch clay and sand beds to 6.6 ft bgs								
	CL	CLAY - dark gray 10 YR 4/1, soft								
	PT	PEAT - dark gray with organics								
	CL	CLAY - very dark gray, soft with organics; rare sands			60%	1344			0/0/0	
10										
	CL	CLAY - dark gray brown, organics, odor, firm			80%	1355	BM-152S		0/0/0	
	SC SM	CLAYEY SAND - black, medium to coarse, homogenous with organics								
	SC SM	SAND - gray to black, medium to coarse, homogenous								
		same sand, green, Gley 2 4/10 G								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-15
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SC SM									
15	OL	Organic layer, 2 inches thick, black								
	SC SM	SANDY CLAY - green with brown patches, firm. Sand is fine to medium grained, rare organics			90%	1401			0/0/0	
	SC SM	SAND - 2.5 YR 4/4, medium to coarse, homogenous, subangular to subrounded, dense. oxidation staining								
20					90%	1405			0/0/0	
										▽
25					100%	1421			0/0/0	
		Saturated								
30		END OF BORING - sands are heaving			100%	1423			0/0/0	

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-16
	Ground Elevation	Location	Page
		1708 Wood Street	1 of 3
Air Monitoring Equipment			Total Footage
Mini RAE 2000			32

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			22	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/5/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CONCRETE	CONCRETE				1548			0/0/0	
	FILL	FILL - black, gravel, sand, fines, odor								
	CL	CLAY - black, green, moist, soft								
	SP SC	CLAYEY SILTY SAND - very fine black sand, odor								
5	SP SC	CLAYEY SILT - gray, odor, wet; with trace sands			100%	1600			0/0/0	
	CL	CLAY - gray to black, soft, some moisture			90%	1609			0/0/0	
10										
	SP	Orgainics - 2 inch organinc bed with brown medium sand			100%	1612			0/0/0	
	CL	CLAY - as above								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-16
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 3

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CL									
15	SP	SAND - medium, two inch lens, homogenous, moisture								
	SP SM	SANDY SILT - gray, moist, very soft								
	SP SM	SANDY SILT - gray soft, wet, very fine grained			100%	1620	BM-16-1S		0/0/0	
	SP	SAND - meidum, gray, wet; with silt								
20	SP SM	SILTY SAND - medium, wet; some clay								
	SP	SAND - medium, wet, 1 inch bed								
	SP SM	SANDY SILT - gray, wet, very soft								▽
	SP	SAND - Saturated, medium, sub-angular to sub-rounded								
	CL	CLAY - green, firm								
25	SP	SAND - medium, green, some fines								
	SC	SANDY CLAY - 5 Y 3/1 organics								
	CL	CLAY - greenish gray, firm			100%	1620			0/0/0	
					100%	1630	BM-16-2S		0/0/0	
	SC	SANDY CLAY - 5Y 3/1								
30	SP	SAND - 1 inch medium to coarse sand bed								
	SC	SANDY CLAY - as above								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-16
	Ground Elevation	Location	Page
		1708 Wood Street	3 of 3

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP SM	SILTY SAND - greenish gray, wet								
		END OF BORING								

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name: YRCW Roadway Express Oakland	Project Number: 48791	Boring/Well Number: BM-17
	Ground Elevation:	Location: 1708 Wood Street	Page: 1 of 2
Air Monitoring Equipment: Mini RAE 2000			Total Footage: 28

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			24	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/6/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
		CONCRETE								
	FILL	FILL - gravel, sand, fines. Random rubbish: metal, plastic, etc...								
	CL	CLAY - black, dark gray, very soft, rare sands				0745			0/0/0	
	Shell Layer	Shell Layer - 2 inch zone								
5	SP SM	SANDY SILT - gray, moist, no water								
	PT	PEAT - black, with brown organics								
	SP SM	SANDY SILT - gray, moist, no water			50%	0800			0/0/0	
10							DUP-1			
					70%	0802	DUP-1S, BM-17-1		0/0/0	
						0802				
	SP	SAND - medium grained, homogenous, subangular								
	SP SM	SANDY SILT - as above								
	SP	SAND - medium grained homogenous, subangular								
	SP SM	SANDY SILT - gray, moisture								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-17
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP SM	organics								
15	SP	SAND - medium grained, subangular, homogenous								
	SP SM	SANDY SILT- gray, moisture			70%	0804			0/0/0	
	Shell Layer	Shell Layer, two centimeter zone								
20					80%	0807			0/0/0	
		organic rich zone								
	SP SM	SANDY SILT - as above								
	SP	SAND - medium grained, subangular, homogenous				0810	BM-17-2S		0/0/0	▽
	SP	Saturated - sands as above, with coarse sand								
25	SP SM	SANDY SILT - gray, moisture					BM-173S		0/0/0	
	SP	SAND - half inch sand lens								
	SP	SANDY SILT - gray, moisture								
	PT	PEAT								
	PT	END OF BORING								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-18
	Ground Elevation	Location	Page
		1708 Wood Street	1 of 3
Air Monitoring Equipment			Total Footage
Mini RAE 2000			32

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			12.6	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/6/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CONCRETE	CONCRETE								
	SP SM	SANDY SILT - black and gray medium sand, very soft; some clay. Sheen, strong odor				0949			0/8/151	
						0950	BM-18-1S			
5	SP SC	SANDY CLAY - Gley 2 Y5/10GY, very soft, some moisture, organics							0/0/0	
					100%	1003	BM-18-2S		0/0/0	
	SP SC	SANDY SILT - Gley 2 2.5/10GY, gray, with organics								
10		no organics								
		Shell layer - 2 cm shell zone								
	SP	SAND - medium, gray, subangular, wet			70%	1005	BM-18-3S		0/0/0	▽
	SP SM	SANDY SILT- as above								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-18
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 3

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP SM									
15	SP	SAND - medium, subangular, homogenous, wet								
	SP SC	SANDY CLAY - very dark greenish gray, Gley 2 3/3, dense, stiff; with organics			70%	1005			0/0/0	
20						1007			0/0/0	
	SP SC	CLAYEY SAND - Gley 2 3/2, medium, homogenous, moist			90%	1010			0/0/0	
					90%	1010			0/0/0	
25										
						1012			0/0/0	
	CL	CLAY - Gley 2 3/3 soft								
30										

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-18
	Ground Elevation	Location	Page
		1708 Wood Street	3 of 3

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	CL					1016			0/0/0	
	SP	SAND - greenish gray, Gley 2 3/3, medium, homogenous, moisture								
	SP	END OF BORING								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name: YRCW Roadway Express Oakland	Project Number: 48791	Boring/Well Number: BM-19
	Ground Elevation:	Location: 1708 Wood Street	Page: 1 of 2
Air Monitoring Equipment: Mini RAE 2000			Total Footage: 24

Drilling Method	Borehole Size	Casing Type/Diam.	Screen Type/Slot	Depth to Water	Top of Casing Elevation
Direct Push	3"			13	

Drilling Company:	RSI Drilling	Driller(s):	Mauricio Sanchez
Drilling Rig:	Geoprobe 6620 GT	Type of Sampler:	Geoprobe Sleeve
Date:	8/6/08	Logged by:	S. Barber

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
		CONCRETECONCRETE								
	FILL	FILL - gravel, sand								
	SP	SAND - gray, medium, subangular, some moisture								
	SP SM	SANDY SILT - Gley 2 3/2, very soft, moist							0/0/0	
5										
	CL	CLAY - black, organics; some sand.			80%		BM-19-1S		0/0/0	
	SP	sheen?				1115				
	SM	SANDY SILT - same as above								
10										
					70%		BM-19-2S		0/0/0	
						1125				
		two centimeter layer of shells								
	SP	SAND - gray, medium, subangular, homogenous								
	SP	Saturated zone								▽
	SP	SAND - as above								

BZ=Breathing Zone BH=Bore Hole S=Sample

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

Reviewed By: _____

Boring/Well Construction Log

Burns & McDonnell	Project Name	Project Number	Boring/Well Number
	YRCW Roadway Express Oakland	48791	BM-19
	Ground Elevation	Location	Page
		1708 Wood Street	2 of 2

Depth (feet) BGL	USCS	Lithologic Description	Class	Blow Count	Recov.	Run/ Time	Sample Desig.	Sample	PID (ppm) BZ/BH/S	Well Diagram
	SP									
15					80%	1122			0/0/0	
	CL	CLAY - Gley 2 3/3 gray, with organics, soft			90%	1129	BM-19-3S		0/0/0	
	SP	SAND - medium grey sub angular, homogenous, wet								
20		Saturated								
							BM-19-4S		0/0/0	
					100%				0/0/0	
	CL	CLAY - gray, soft; some silt				1132				
		END OF BORING								

BORING/WELL YRC OAKLAND.GPJ BURNS&MC.GDT 8/14/08

BZ=Breathing Zone BH=Bore Hole S=Sample

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 205158
ANALYTICAL REPORT

Burns & McDonnell
393 East Grand Avenue
South San Francisco, CA 94080

Project : 48791
Location : YRC-Oakland
Level : II

Sample ID	Lab ID
BM-10_1W	205158-001
BM-10_2W	205158-002
MW-2	205158-003
BM-11_1W	205158-004
BM-11_2W	205158-005
TRIP BLANKS-1	205158-006
BM-12_1W	205158-007
BM-12_-1W	205158-008
BM-13_-1W	205158-009
BM-14_-1W	205158-010
BM-12_-2W	205158-011
BM-15_-1W	205158-012
BM-15_-2W	205158-013
BM-16_-1W	205158-014
TRIP BLANKS-2	205158-015
BM-17_-1W	205158-016
DUP_-1W	205158-017
BM-18_-1W	205158-018
BM-19_-1W	205158-019
TRIP BLANKS	205158-020
BM-16_-1W	205158-021

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 08/28/2008
Project Manager

Signature: _____ Date: 08/28/2008
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**205158**
Client:	**Burns & McDonnell**
Project:	**48791**
Location:	**YRC-Oakland**
Request Date:	**08/07/08, 08/20/08**
Samples Received:	**08/07/08**

This hardcopy data package contains sample and QC results for twenty water samples, requested for the above referenced project on 08/07/08 and 08/20/08. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

High surrogate recoveries were observed for trifluorotoluene (FID) in the MS/MSD for batch 141479; the corresponding bromofluorobenzene (FID) surrogate recoveries were within limits, and the parent sample was not a project sample. 205158-014 was analyzed outside of hold time; affected data was qualified with "b". This analysis was requested past hold. BM-10_1W (lab # 205158-001) had pH greater than 2. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

205158-021 was prepared outside of hold time; affected data was qualified with "b". This analysis was requested past hold. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-10_1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-001	Analyzed:	08/13/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	105	69-140	EPA 8015B
Bromofluorobenzene (FID)	115	73-144	EPA 8015B
Trifluorotoluene (PID)	83	60-146	EPA 8021B
Bromofluorobenzene (PID)	93	65-143	EPA 8021B

Field ID:	BM-10_2W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-002	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	69-140	EPA 8015B
Bromofluorobenzene (FID)	102	73-144	EPA 8015B
Trifluorotoluene (PID)	74	60-146	EPA 8021B
Bromofluorobenzene (PID)	84	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	MW-2	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-003	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	69-140	EPA 8015B
Bromofluorobenzene (FID)	96	73-144	EPA 8015B
Trifluorotoluene (PID)	66	60-146	EPA 8021B
Bromofluorobenzene (PID)	73	65-143	EPA 8021B

Field ID:	BM-11_1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-004	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	110	69-140	EPA 8015B
Bromofluorobenzene (FID)	118	73-144	EPA 8015B
Trifluorotoluene (PID)	89	60-146	EPA 8021B
Bromofluorobenzene (PID)	97	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-11_2W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-005	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	69-140	EPA 8015B
Bromofluorobenzene (FID)	115	73-144	EPA 8015B
Trifluorotoluene (PID)	82	60-146	EPA 8021B
Bromofluorobenzene (PID)	91	65-143	EPA 8021B

Field ID:	TRIP BLANKS-1	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-006	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	69-140	EPA 8015B
Bromofluorobenzene (FID)	110	73-144	EPA 8015B
Trifluorotoluene (PID)	84	60-146	EPA 8021B
Bromofluorobenzene (PID)	86	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-12_1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205158-007	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	69-140	EPA 8015B
Bromofluorobenzene (FID)	115	73-144	EPA 8015B
Trifluorotoluene (PID)	82	60-146	EPA 8021B
Bromofluorobenzene (PID)	91	65-143	EPA 8021B

Field ID:	BM-13_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-009	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	112	69-140	EPA 8015B
Bromofluorobenzene (FID)	120	73-144	EPA 8015B
Trifluorotoluene (PID)	87	60-146	EPA 8021B
Bromofluorobenzene (PID)	92	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-14_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-010	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	69-140	EPA 8015B
Bromofluorobenzene (FID)	117	73-144	EPA 8015B
Trifluorotoluene (PID)	78	60-146	EPA 8021B
Bromofluorobenzene (PID)	98	65-143	EPA 8021B

Field ID:	BM-12_-2W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-011	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	69-140	EPA 8015B
Bromofluorobenzene (FID)	100	73-144	EPA 8015B
Trifluorotoluene (PID)	73	60-146	EPA 8021B
Bromofluorobenzene (PID)	82	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-15_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-012	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	110	69-140	EPA 8015B
Bromofluorobenzene (FID)	117	73-144	EPA 8015B
Trifluorotoluene (PID)	88	60-146	EPA 8021B
Bromofluorobenzene (PID)	94	65-143	EPA 8021B

Field ID:	BM-15_-2W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-013	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	69-140	EPA 8015B
Bromofluorobenzene (FID)	103	73-144	EPA 8015B
Trifluorotoluene (PID)	78	60-146	EPA 8021B
Bromofluorobenzene (PID)	84	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-16_-1W	Batch#:	141724
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-014	Analyzed:	08/22/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND b	50	EPA 8015B
MTBE	ND b	2.0	EPA 8021B
Benzene	ND b	0.50	EPA 8021B
Toluene	ND b	0.50	EPA 8021B
Ethylbenzene	ND b	0.50	EPA 8021B
m,p-Xylenes	ND b	0.50	EPA 8021B
o-Xylene	ND b	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99 b	69-140	EPA 8015B
Bromofluorobenzene (FID)	114 b	73-144	EPA 8015B
Trifluorotoluene (PID)	95 b	60-146	EPA 8021B
Bromofluorobenzene (PID)	105 b	65-143	EPA 8021B

Field ID:	TRIP BLANKS-2	Batch#:	141395
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205158-015	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	69-140	EPA 8015B
Bromofluorobenzene (FID)	111	73-144	EPA 8015B
Trifluorotoluene (PID)	84	60-146	EPA 8021B
Bromofluorobenzene (PID)	84	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-17_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205158-016	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	69-140	EPA 8015B
Bromofluorobenzene (FID)	113	73-144	EPA 8015B
Trifluorotoluene (PID)	87	60-146	EPA 8021B
Bromofluorobenzene (PID)	92	65-143	EPA 8021B

Field ID:	DUP_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205158-017	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	69-140	EPA 8015B
Bromofluorobenzene (FID)	109	73-144	EPA 8015B
Trifluorotoluene (PID)	85	60-146	EPA 8021B
Bromofluorobenzene (PID)	90	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-18_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205158-018	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	69-140	EPA 8015B
Bromofluorobenzene (FID)	115	73-144	EPA 8015B
Trifluorotoluene (PID)	87	60-146	EPA 8021B
Bromofluorobenzene (PID)	96	65-143	EPA 8021B

Field ID:	BM-19_-1W	Batch#:	141395
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205158-019	Analyzed:	08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	69-140	EPA 8015B
Bromofluorobenzene (FID)	105	73-144	EPA 8015B
Trifluorotoluene (PID)	83	60-146	EPA 8021B
Bromofluorobenzene (PID)	86	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID: TRIP BLANKS
Type: SAMPLE
Lab ID: 205158-020
Sampled: 08/06/08

Analyte	Result	RL	Batch#	Analyzed	Analysis
Gasoline C7-C12	ND	50	141395	08/14/08	EPA 8015B
MTBE	ND	2.0	141395	08/14/08	EPA 8021B
Benzene	ND	0.50	141395	08/14/08	EPA 8021B
Toluene	ND	0.50	141479	08/15/08	EPA 8021B
Ethylbenzene	ND	0.50	141395	08/14/08	EPA 8021B
m,p-Xylenes	ND	0.50	141395	08/14/08	EPA 8021B
o-Xylene	ND	0.50	141395	08/14/08	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	100	69-140	141395	08/14/08	EPA 8015B
Bromofluorobenzene (FID)	108	73-144	141395	08/14/08	EPA 8015B
Trifluorotoluene (PID)	75	60-146	141395	08/14/08	EPA 8021B
Bromofluorobenzene (PID)	86	65-143	141395	08/14/08	EPA 8021B

Type: BLANK
Lab ID: QC455408
Batch#: 141395
Analyzed: 08/14/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	69-140	EPA 8015B
Bromofluorobenzene (FID)	107	73-144	EPA 8015B
Trifluorotoluene (PID)	83	60-146	EPA 8021B
Bromofluorobenzene (PID)	92	65-143	EPA 8021B

Type: BLANK
Lab ID: QC455787
Batch#: 141479
Analyzed: 08/15/08
Analysis: EPA 8021B

Analyte	Result	RL
Toluene	ND	0.50

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		80	60-146
Bromofluorobenzene (PID)		85	65-143

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Water	Dil'n Fac:	1.000
Units:	ug/L	Received:	08/07/08

Type:	BLANK	Batch#:	141724
Lab ID:	QC456909	Analyzed:	08/22/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	69-140	EPA 8015B
Bromofluorobenzene (FID)	102	73-144	EPA 8015B
Trifluorotoluene (PID)	96	60-146	EPA 8021B
Bromofluorobenzene (PID)	101	65-143	EPA 8021B

b= See narrative
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC455409	Batch#:	141395
Matrix:	Water	Analyzed:	08/13/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	19.05	95	70-129
Benzene	20.00	20.19	101	80-120
Toluene	20.00	21.42	107	80-120
Ethylbenzene	20.00	21.97	110	80-120
m,p-Xylenes	20.00	21.32	107	80-120
o-Xylene	20.00	20.29	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	80	60-146
Bromofluorobenzene (PID)	93	65-143

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC455410	Batch#:	141395
Matrix:	Water	Analyzed:	08/13/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,960	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	69-140
Bromofluorobenzene (FID)	117	73-144

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	BM-10_1W	Batch#:	141395
MSS Lab ID:	205158-001	Sampled:	08/04/08
Matrix:	Water	Received:	08/07/08
Units:	ug/L	Analyzed:	08/13/08
Diln Fac:	1.000		

Type: MS Lab ID: QC455411

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	27.49	2,000	1,874	92	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	69-140
Bromofluorobenzene (FID)	120	73-144

Type: MSD Lab ID: QC455412

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,975	97	67-120	5	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-140
Bromofluorobenzene (FID)	119	73-144

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC455788	Batch#:	141479
Matrix:	Water	Analyzed:	08/15/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,118	112	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	69-140
Bromofluorobenzene (FID)	117	73-144

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	141479
MSS Lab ID:	205253-014	Sampled:	08/12/08
Matrix:	Water	Received:	08/12/08
Units:	ug/L	Analyzed:	08/15/08
Diln Fac:	1.000		

Type: MS Lab ID: QC455789

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	20.42	2,000	2,153	107	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	142 *	69-140
Bromofluorobenzene (FID)	117	73-144

Type: MSD Lab ID: QC455790

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,087	103	67-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141 *	69-140
Bromofluorobenzene (FID)	116	73-144

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC455923	Batch#:	141479
Matrix:	Water	Analyzed:	08/15/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Toluene	10.00	9.311	93	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	88	60-146
Bromofluorobenzene (PID)	92	65-143

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC456067	Batch#:	141542
Matrix:	Water	Analyzed:	08/18/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Toluene	10.00	9.384	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	70	60-146
Bromofluorobenzene (PID)	72	65-143

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC456910	Batch#:	141724
Matrix:	Water	Analyzed:	08/22/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,036	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	69-140
Bromofluorobenzene (FID)	104	73-144

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC456911	Batch#:	141724
Matrix:	Water	Analyzed:	08/22/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	10.00	8.989	90	70-129
Benzene	10.00	9.167	92	80-120
Toluene	10.00	9.462	95	80-120
Ethylbenzene	10.00	9.787	98	80-120
m,p-Xylenes	10.00	9.901	99	80-120
o-Xylene	10.00	9.830	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	60-146
Bromofluorobenzene (PID)	100	65-143

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	141724
MSS Lab ID:	205447-003	Sampled:	08/20/08
Matrix:	Water	Received:	08/20/08
Units:	ug/L	Analyzed:	08/22/08
Diln Fac:	1.000		

Type: MS Lab ID: QC456950

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	13.64	2,000	1,802	89	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	69-140
Bromofluorobenzene (FID)	108	73-144

Type: MSD Lab ID: QC456951

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,762	87	67-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	69-140
Bromofluorobenzene (FID)	109	73-144

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-10_1W	Sampled:	08/04/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-001	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	1,500 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/15/08
Motor Oil C24-C36	1,500	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	84	63-130	08/15/08
Hexacosane	116	63-130	08/12/08

Field ID:	BM-10_2W	Sampled:	08/04/08
Type:	SAMPLE	Prepared:	08/13/08
Lab ID:	205158-002	Analyzed:	08/14/08
Batch#:	141401		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	75	63-130

Field ID:	MW-2	Sampled:	08/04/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-003	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	1,900 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	1,300	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	85	63-130	08/13/08
Hexacosane	116	63-130	08/12/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID: BM-11_1W
Type: SAMPLE
Lab ID: 205158-004
Batch#: 141238
Sampled: 08/04/08
Prepared: 08/08/08
Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	870 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	1,100	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	98	63-130	08/13/08
Hexacosane	109	63-130	08/12/08

Field ID: BM-11_2W
Type: SAMPLE
Lab ID: 205158-005
Batch#: 141238
Sampled: 08/04/08
Prepared: 08/08/08
Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	430 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	90	63-130	08/13/08
Hexacosane	109	63-130	08/12/08

Field ID: BM-12_1W
Type: SAMPLE
Lab ID: 205158-007
Batch#: 141238
Sampled: 08/04/08
Prepared: 08/08/08
Cleanup Method: EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24	1,200 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	1,100	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	86	63-130	08/13/08
Hexacosane	107	63-130	08/12/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-12_-1W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-008	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	1,400 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	1,300	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	81	63-130	08/13/08
Hexacosane	112	63-130	08/12/08

Field ID:	BM-13_-1W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-009	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	170 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/15/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	81	63-130	08/15/08
Hexacosane	95	63-130	08/12/08

Field ID:	BM-14_-1W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-010	Analyzed:	08/12/08
Batch#:	141238		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	93	63-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-12_-2W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-011	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	240 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	71	63-130	08/13/08
Hexacosane	98	63-130	08/12/08

Field ID:	BM-15_-1W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-012	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	2,900 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/13/08
Motor Oil C24-C36	2,600	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	75	63-130	08/13/08
Hexacosane	109	63-130	08/12/08

Field ID:	BM-15_-2W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-013	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	80 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/15/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	92	63-130	08/15/08
Hexacosane	94	63-130	08/12/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-17_-1W	Sampled:	08/06/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-016	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	70 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/15/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	103	63-130	08/15/08
Hexacosane	102	63-130	08/12/08

Field ID:	DUP_-1W	Sampled:	08/06/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-017	Cleanup Method:	EPA 3630C
Batch#:	141238		

Analyte	Result	RL	Analyzed
Diesel C10-C24	110 Y	50	08/12/08
Diesel C10-C24 (SGCU)	ND	50	08/15/08
Motor Oil C24-C36	ND	300	08/12/08
Motor Oil C24-C36 (SGCU)	ND	300	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	94	63-130	08/15/08
Hexacosane	86	63-130	08/12/08

Field ID:	BM-18_-1W	Sampled:	08/06/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-018	Analyzed:	08/12/08
Batch#:	141238		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	99	63-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Field ID:	BM-19_-1W	Sampled:	08/06/08
Type:	SAMPLE	Prepared:	08/08/08
Lab ID:	205158-019	Analyzed:	08/12/08
Batch#:	141238		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	84	63-130

Field ID:	BM-16_-1W	Sampled:	08/05/08
Type:	SAMPLE	Prepared:	08/26/08
Lab ID:	205158-021	Analyzed:	08/27/08
Batch#:	141832		

Analyte	Result	RL
Diesel C10-C24	ND b	50
Motor Oil C24-C36	ND b	300

Surrogate	%REC	Limits
Hexacosane	111 b	63-130

Type:	BLANK	Prepared:	08/08/08
Lab ID:	QC454750	Analyzed:	08/12/08
Batch#:	141238	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50
Motor Oil C24-C36	ND	300
Motor Oil C24-C36 (SGCU)	ND	300

Surrogate	%REC	Limits
Hexacosane (SGCU)	89	63-130
Hexacosane	114	63-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/07/08

Type:	BLANK	Prepared:	08/13/08
Lab ID:	QC455434	Analyzed:	08/14/08
Batch#:	141401	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50
Motor Oil C24-C36	ND	300
Motor Oil C24-C36 (SGCU)	ND	300

Surrogate	%REC	Limits
Hexacosane (SGCU)	94	63-130
Hexacosane	74	63-130

Type:	BLANK	Prepared:	08/26/08
Lab ID:	QC457423	Analyzed:	08/27/08
Batch#:	141832		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	103	63-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
b= See narrative
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	141238
Units:	ug/L	Prepared:	08/08/08
Diln Fac:	1.000	Analyzed:	08/12/08

Type: BS
Lab ID: QC454751
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24 (SGCU)	2,500	2,486	99	61-120

Surrogate	%REC	Limits
Hexacosane (SGCU)	113	63-130

Type: BSD
Lab ID: QC454752
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24 (SGCU)	2,500	2,278	91	61-120	9	29

Surrogate	%REC	Limits
Hexacosane (SGCU)	106	63-130

RPD= Relative Percent Difference
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	141401
Units:	ug/L	Prepared:	08/13/08
Diln Fac:	1.000	Analyzed:	08/14/08

Type: BS
Lab ID: QC455435
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24 (SGCU)	2,500	2,481	99	61-120

Surrogate	%REC	Limits
Hexacosane (SGCU)	108	63-130

Type: BSD
Lab ID: QC455436
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24 (SGCU)	2,500	2,307	92	61-120	7	29

Surrogate	%REC	Limits
Hexacosane (SGCU)	100	63-130

RPD= Relative Percent Difference
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205158	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	48791	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	141832
Units:	ug/L	Prepared:	08/26/08
Diln Fac:	1.000	Analyzed:	08/27/08

Type: BS
Lab ID: QC457424
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24 (SGCU)	2,500	2,044	82	61-120

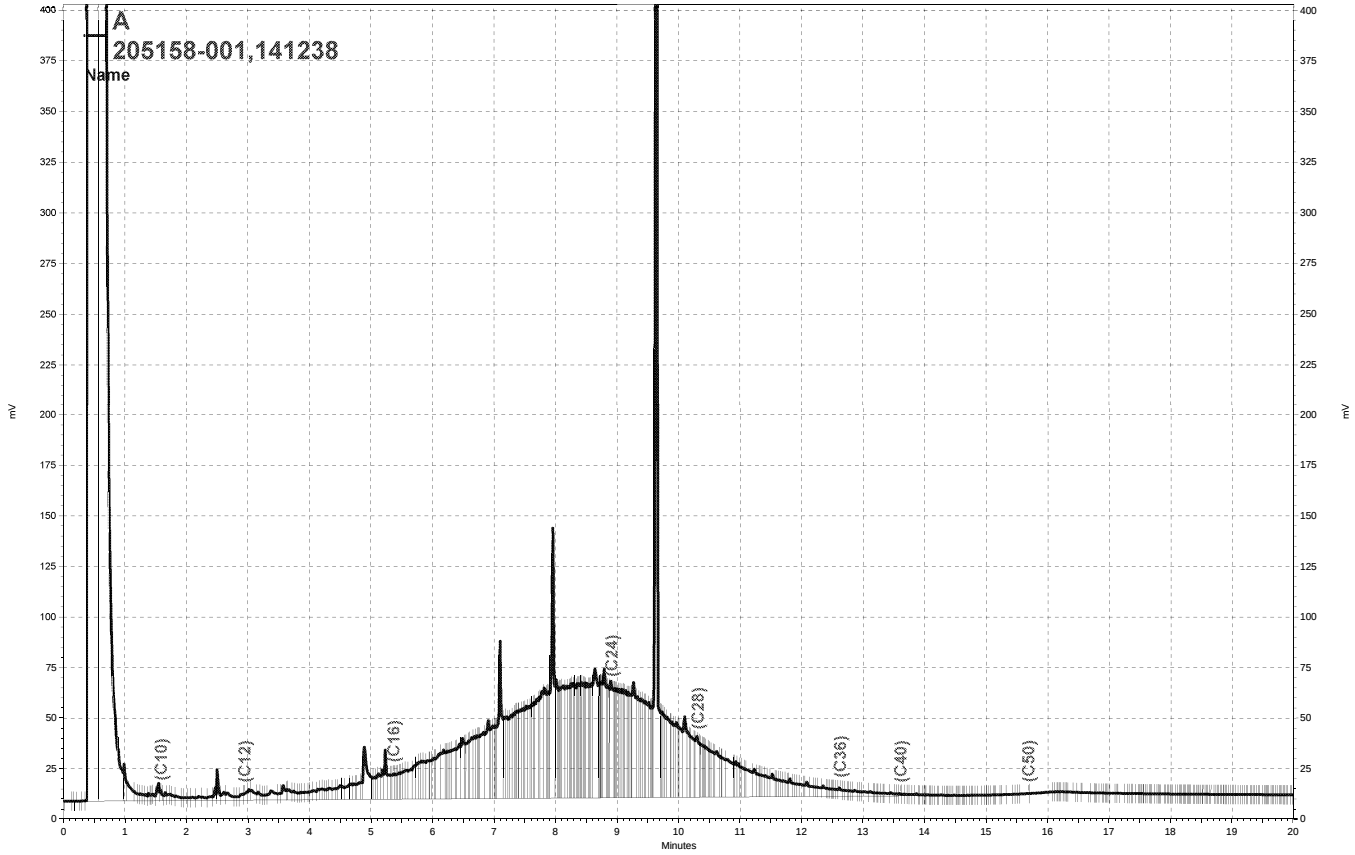
Surrogate	%REC	Limits
Hexacosane (SGCU)	99	63-130

Type: BSD
Lab ID: QC457425
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24 (SGCU)	2,500	1,926	77	61-120	6	29

Surrogate	%REC	Limits
Hexacosane (SGCU)	90	63-130

RPD= Relative Percent Difference
SGCU= Silica gel cleanup



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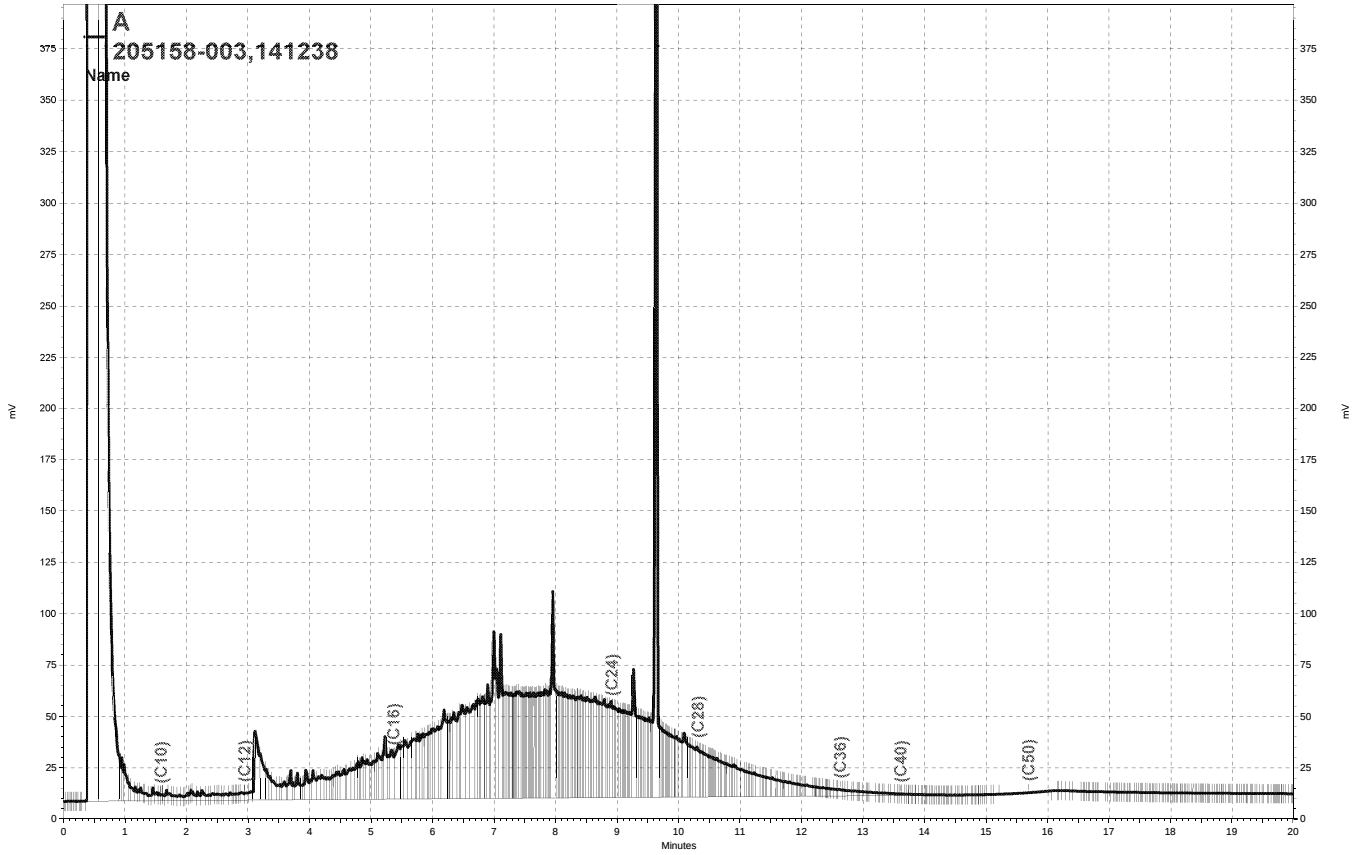

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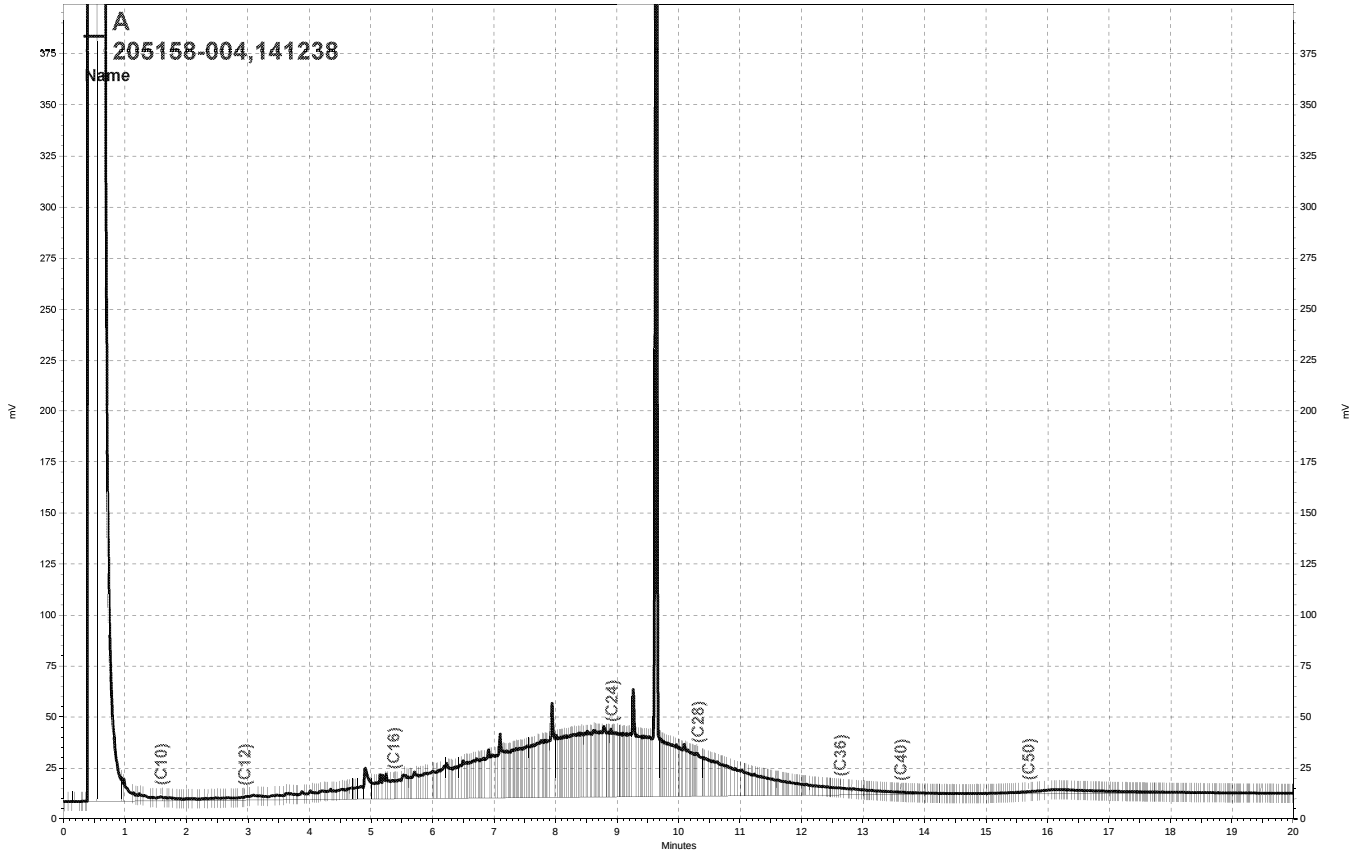

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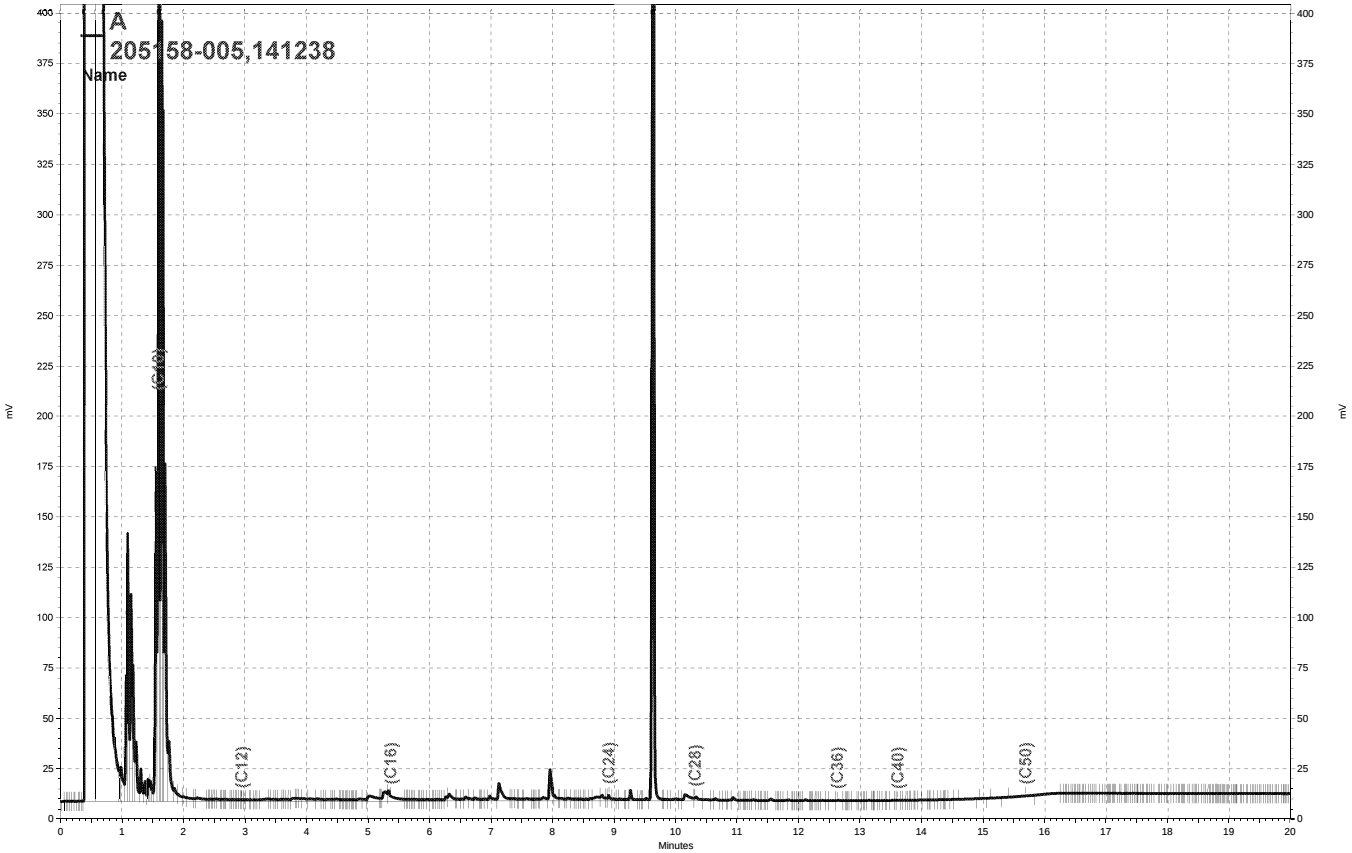

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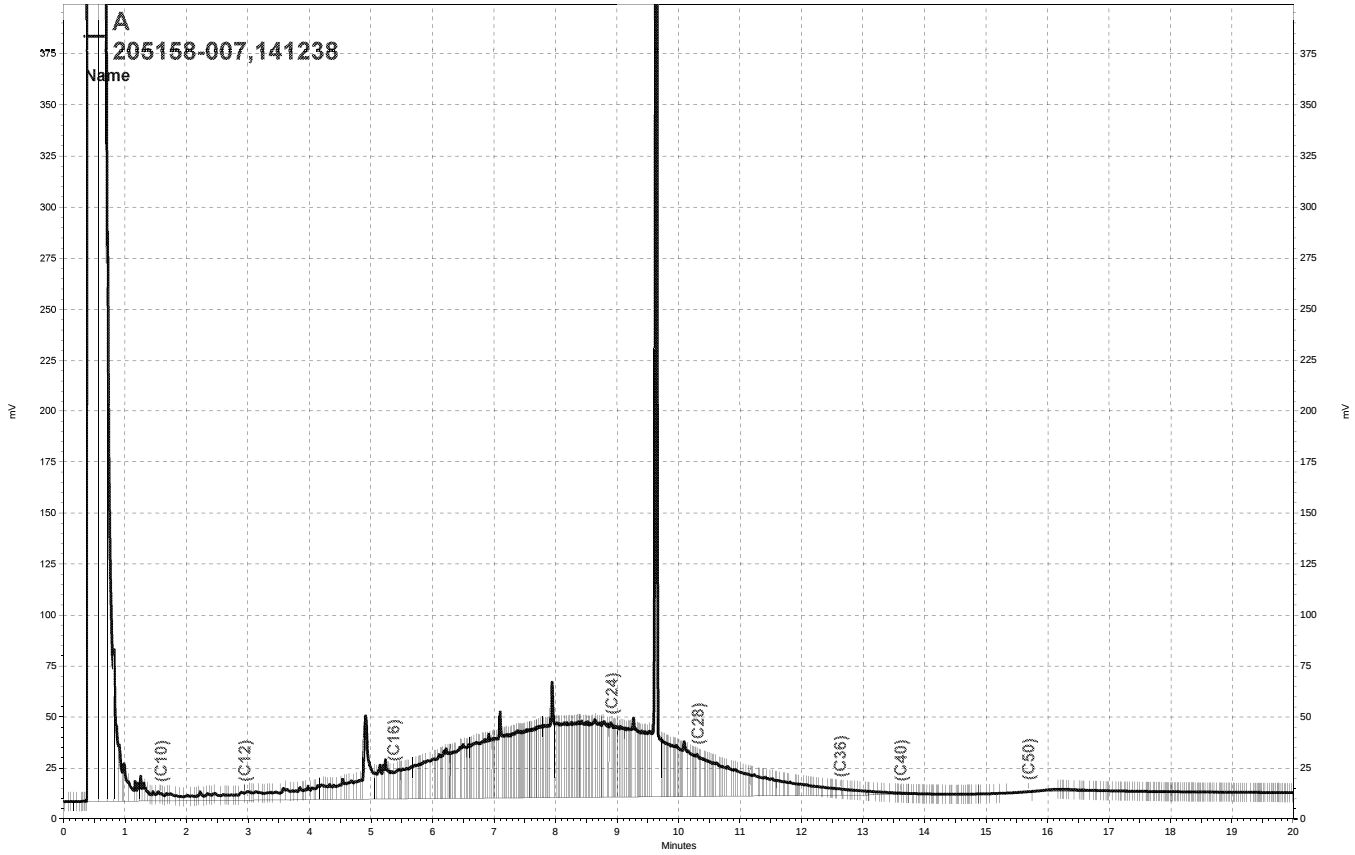

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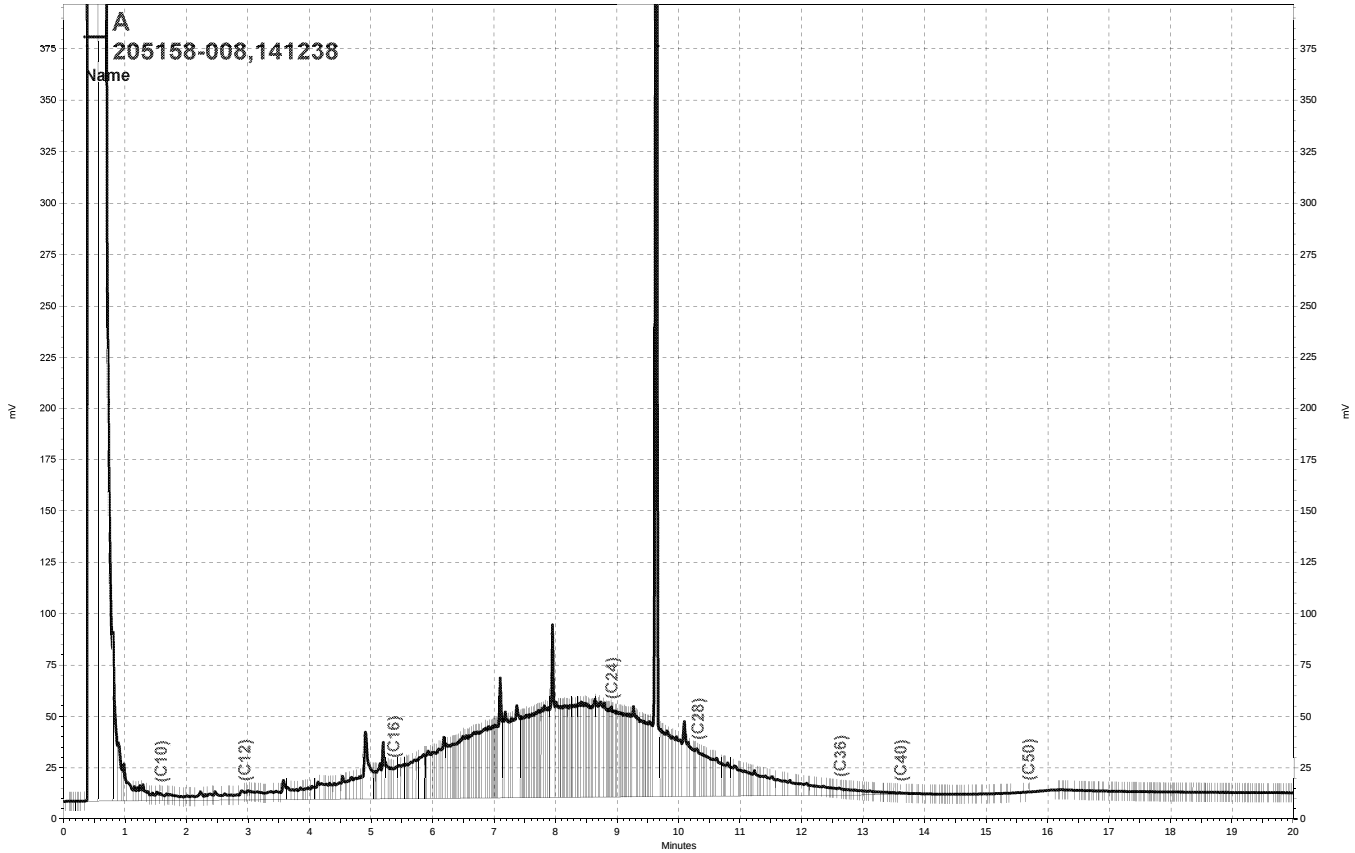

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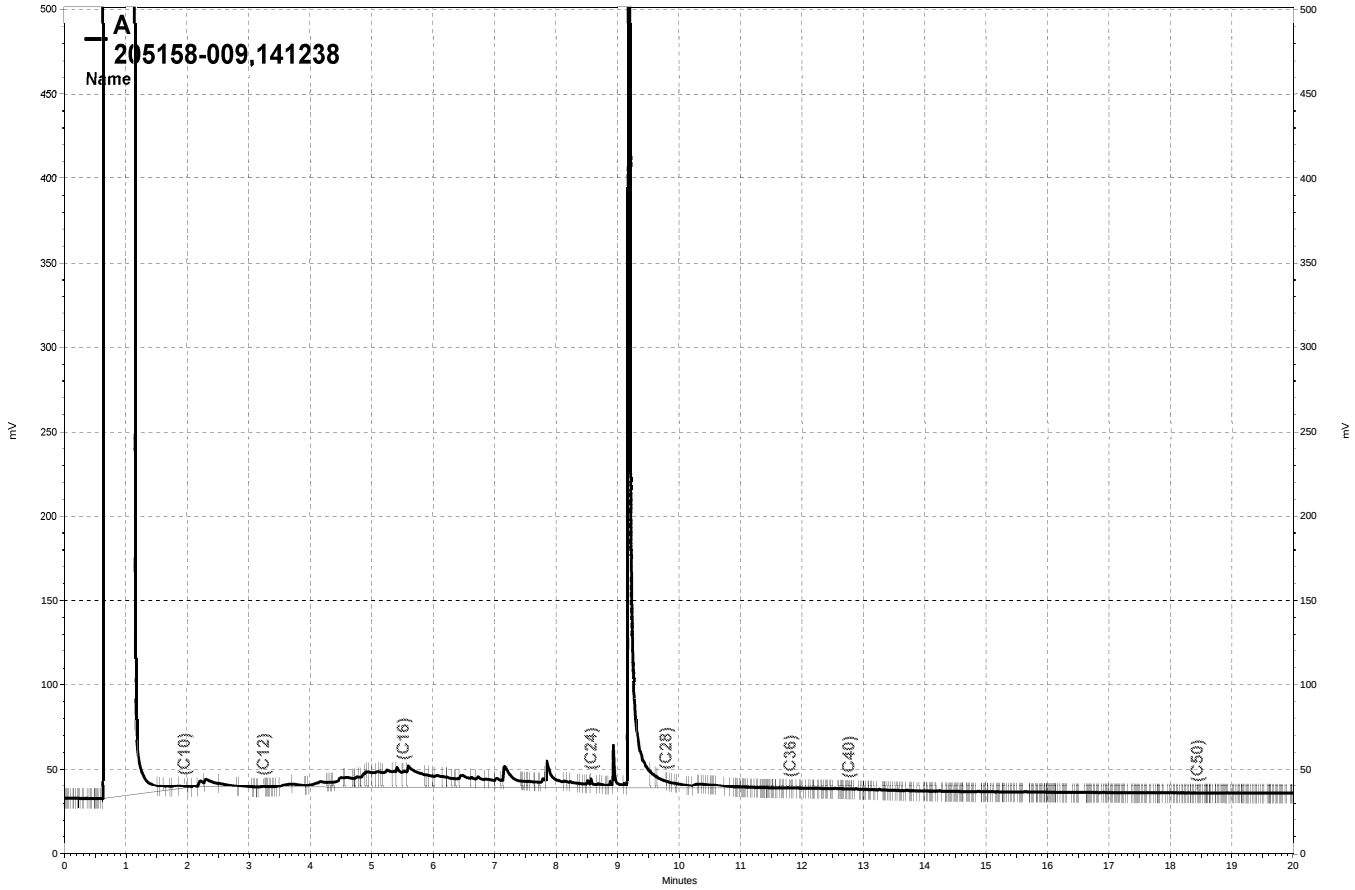

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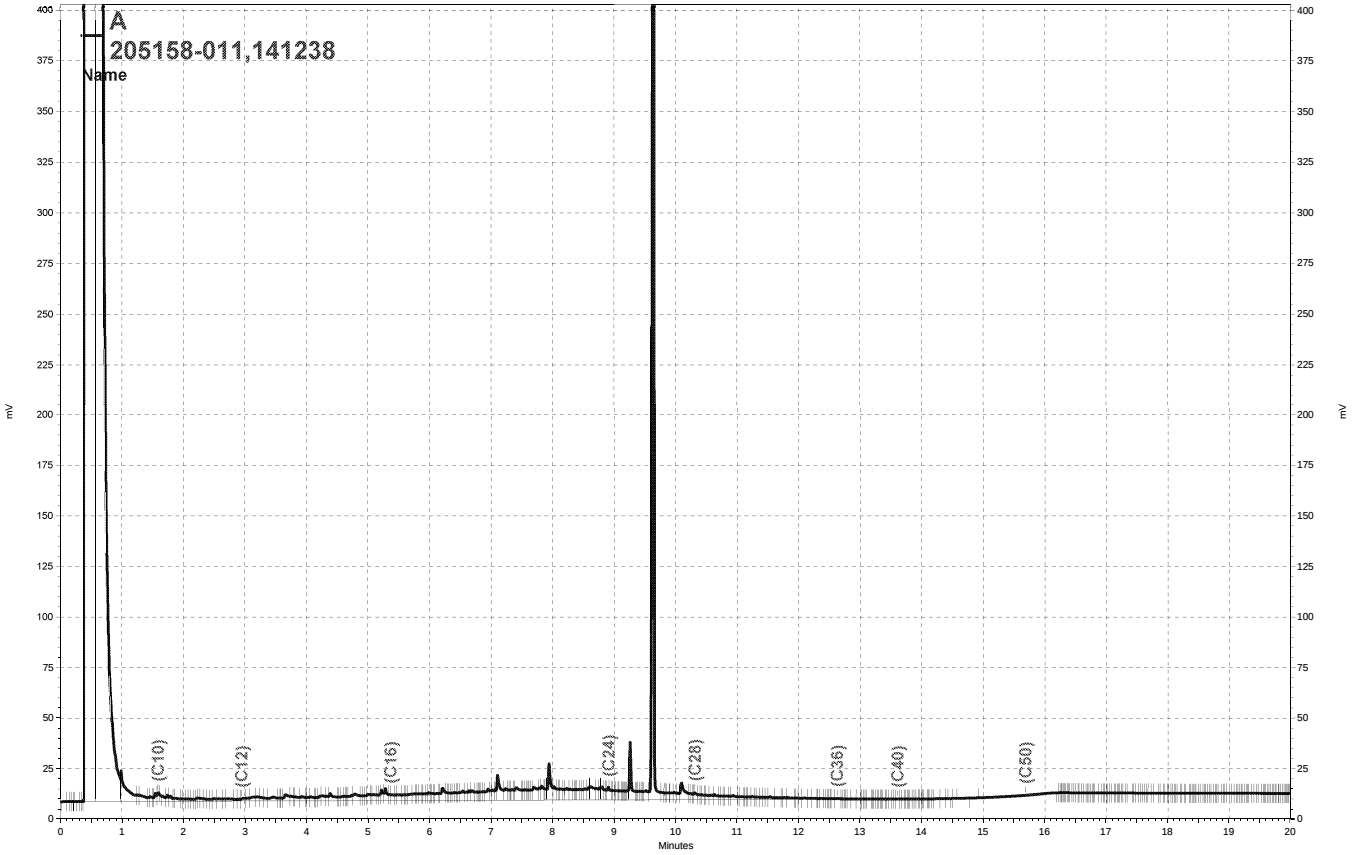

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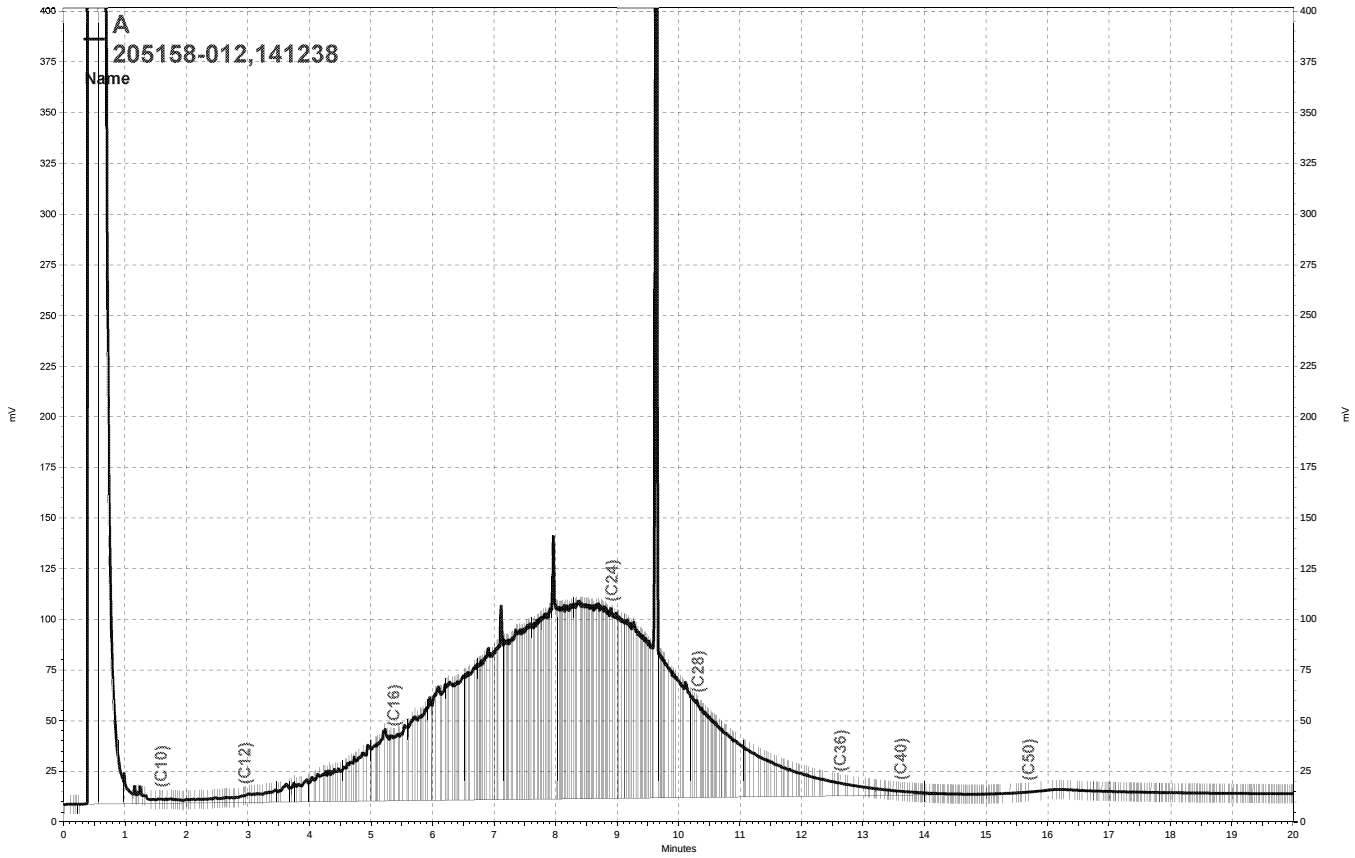

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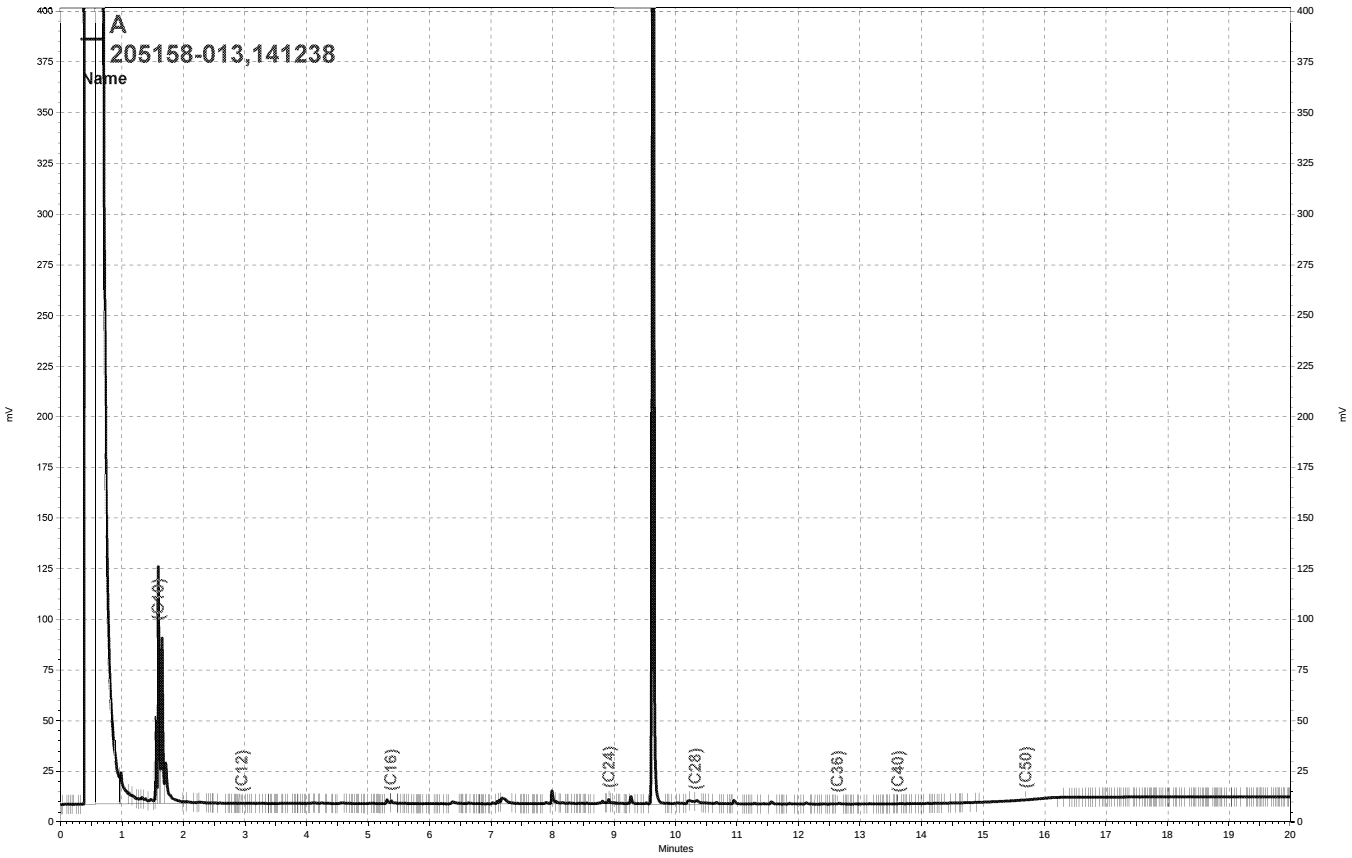

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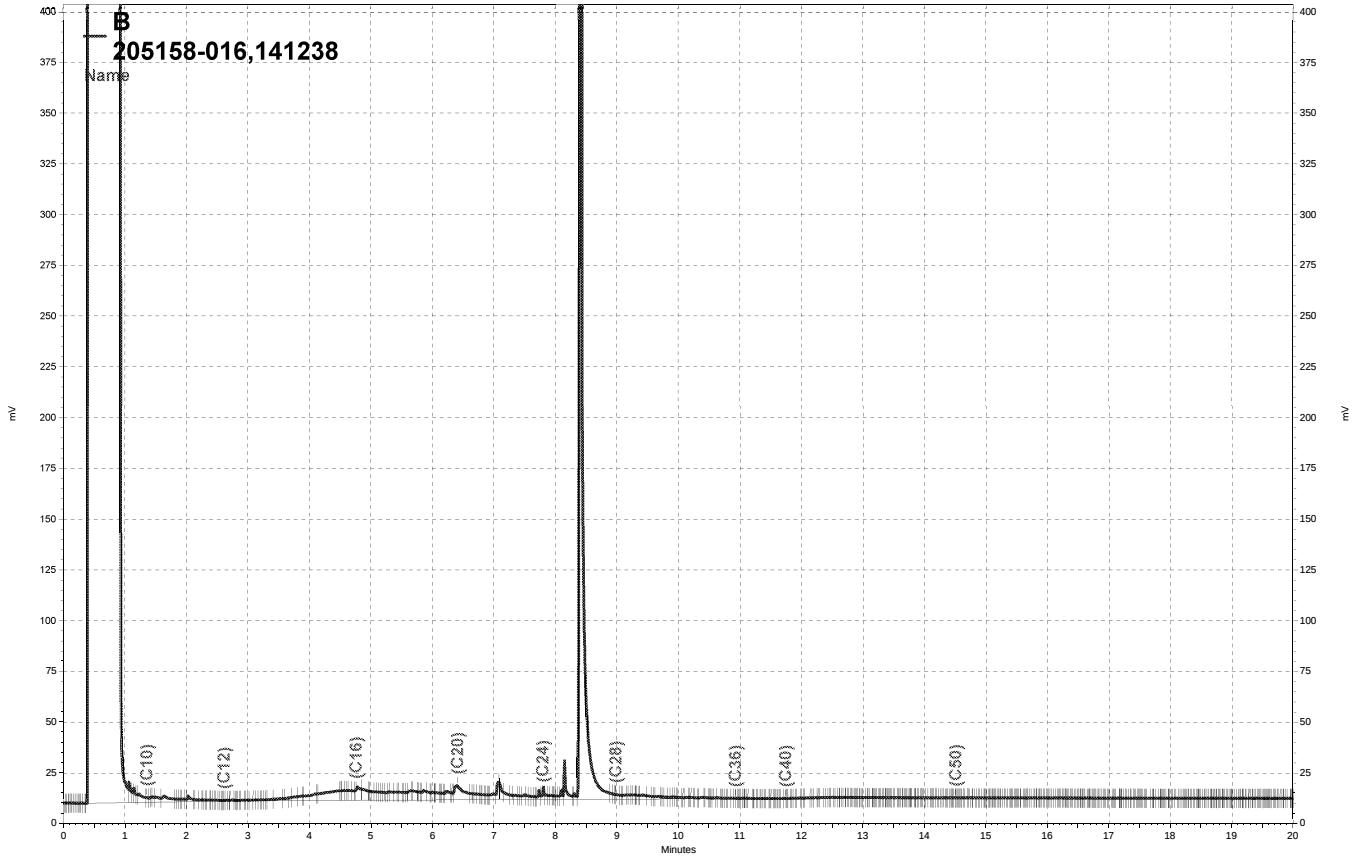

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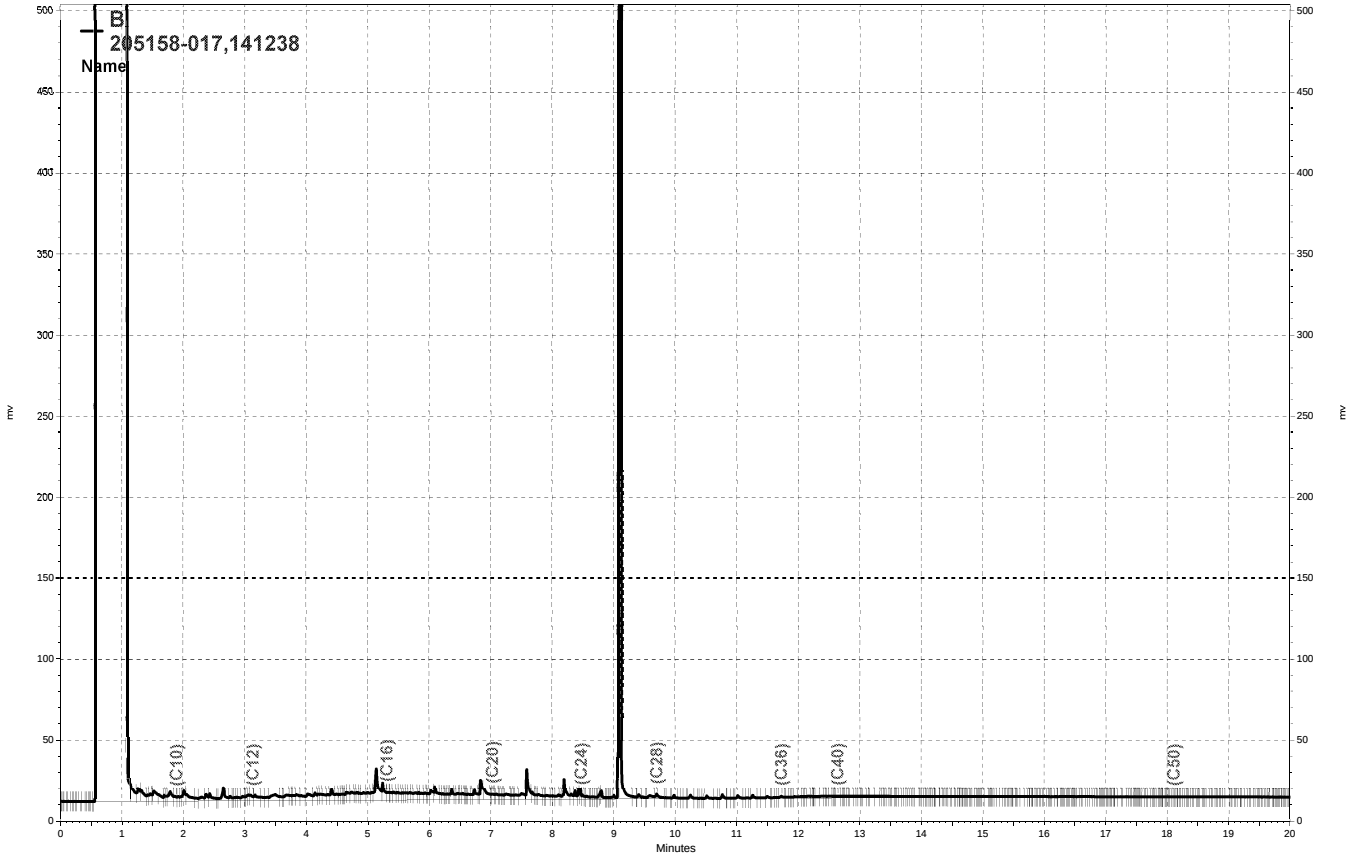

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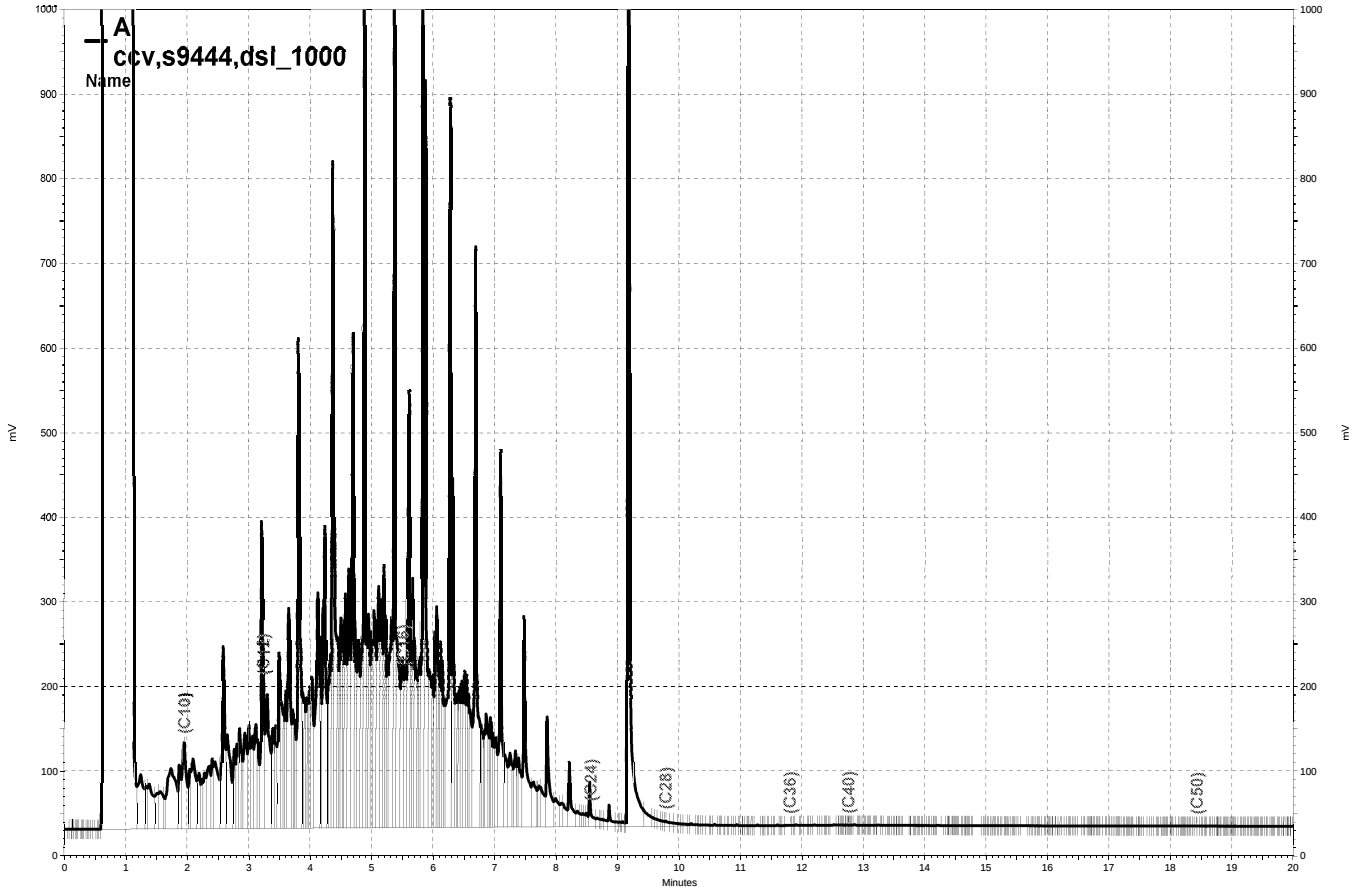

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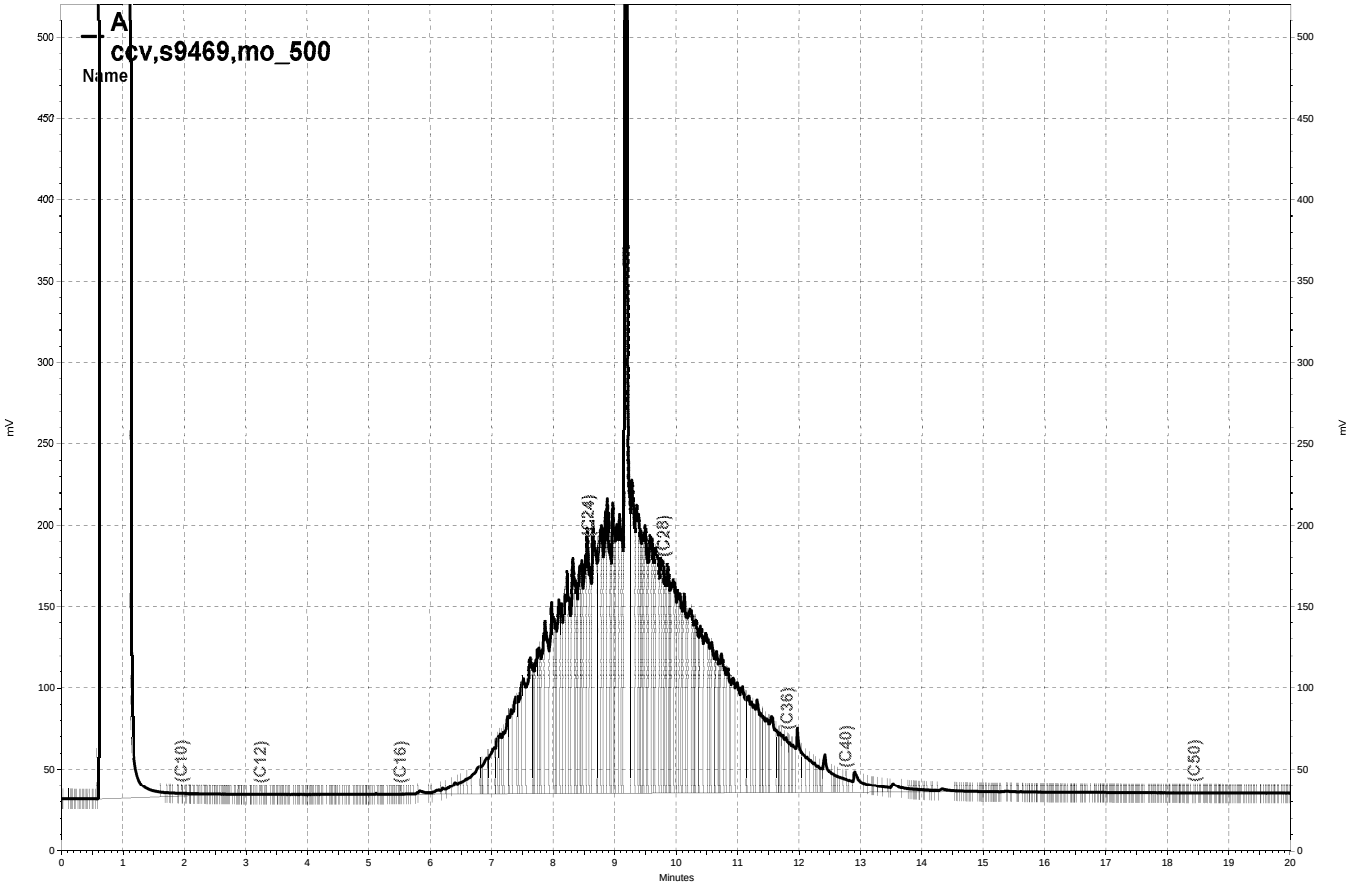

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Burns & McDonnell

Request for Chemical Analysis and Chain of Custody Record

205158

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Phone: (650) 871-2926 Fax: (650) 871-2653
Attention: Katherine Spencer / Fabrizio Bitner

Laboratory: Curtis & Tompkins
Address: 2323 5th Street
City/State/Zip: Berkeley, CA
Telephone: (510) 486-0900

Document Control No.: 1-of 2
Lab. Reference No. or Episode No.: 8.4.08 - 8.5.08

Project Number: 48791
Client Name: YRC

	Sample Number			Sample Event		Sample Depth (in feet)		Sample Collected		Matrix			Number of Containers	Analysis: TPHd_mo 8015m *	TPHg 8015m	BTEX 8021B	MTBE 8021B •			Remarks
	Group or SMWU Name	Sample Point	Sample Designator	Round	Year	From	To	Date	Time	Liquid	Solid	Gas								
1		BM-10	1W	avg	2008			8-4	0920	X			6	X	X	X	X			* Silica gel cleanup if detect.
2		BM-10	2W	avg	2008			8-4	1030	X			6	X	X	X	X			
3		MW-2		avg	2008			8-4	1100	X			6	X	X	X	X			
4		BM-11	1W	avg	2008			8-4	1436	X			6	X	X	X	X			• if detect confirm with 8260B
5		BM-11	2W	avg	2008			8-4	1530	X			6	X	X	X	X			
6		Trip blank-1		—	—			8-4	—	X			~~4~~		X	X	X			
7		BM-12	1W	avg	2008			8-4	1640	X			5	X	X	X	X			
8		BM-12	-1W	avg	2008			8-5	0824	X			2	X						
9		BM-13	-1W	avg	2008			8-5	1000	X			6	X	X	X	X			
10		BM-13	-1W	avg	2008			8-5	1105	X			6	X	X	X	X			
11		BM-12	-2W	avg	2008			8-5	1315	X			6	X	X	X	X			
12		BM-15	-1W	avg	2008			8-5	1355	X			6	X	X	X	X			
13		BM-15	-2W	avg	2008			8-5	1440	X			6	X	X	X	X			
14		BM-16	-1W	avg	2008			8-5	1640	X										
15		Trip blanks-2						8-5	—	X			4		X	X	X			

Sampler (signature): Anna Bale

Sampler (signature):

Special Instructions: Submit Geotracker EDF
ID# T0600102107

Relinquished By (signature): 1.	8/7/08 1429	Received By (signature):	Date/Time 8/7/08 1429	Ice Present in Container: Yes ☐ No ☐
Relinquished By (signature): 2.	Date/Time	Received By (signature):	Date/Time	Laboratory Comments:

Temperature Upon Receipt:

051804 Form WCD-KC1-SDO-C&T

Burns & McDonnell

Request for Chemical Analysis and Chain of Custody Record

205158 2-of-2

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Phone: (650) 871-2926 Fax: (650) 871-2653
Attention: Katherine Spencer
fab: 2:20 Bethur

Laboratory: Curtis & Tompkins
Address: 2323 5th Street
City/State/Zip: Berkeley, CA
Telephone: (510) 486-0900

Document Control No.:
Lab. Reference No. or Episode No.: 8.6.08 = 8.6.08

Project Number: 49791
Client Name: YRC

	Sample Number			Sample Event		Sample Depth (in feet)		Sample Collected		Sample Type: Matrix			Number of Containers	Analysis: TPHd_mo 8015M *	Analysis: TPHg 8015M	Analysis: BTEX 8021B	Analysis: MTBE 8021B •	Remarks
	Group or SMWU Name	Sample Point	Sample Designator	Round	Year	From	To	Date	Time	Liquid	Solid	Gas						
16		BM-17	-1W	Aug	2008			8.6	0835	X			6	X	X	X	X	* if detect rerun
17		DUP	-1W	Aug	2008			8.6	-	X			6	X	X	X	X	with Silica gel
18		BM-18	-1W	Aug	2008			8.6	1046	X			6	X	X	X	X	cleanup
19		BM-19	-1W	Aug	2008			8.6	1155	X			6	X	X	X	X	
20		Trip Blanks		Aug	2008			-	-	X			3	X	X	X	X	• if detect confirm with 8260B

Sampler (signature): Dawn Bale

Relinquished By (signature): 1. 8/7/08 1429 Date/Time

Relinquished By (signature): 2. Date/Time

Sampler (signature):

Received By (signature): Date/Time

Received By (signature): Date/Time

Special Instructions: Please submit EDF geotracker global ID# T0600102107

Ice Present in Container: Yes [ ] No [X]

Temperature Upon Receipt:

Laboratory Comments:

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 205158 Date Received 8/7/08 Number of coolers 3
Client BURNS & MCDONNELL Project YRC

Date Opened 8/7/08 By (print) M. VILLANUEVA (sign)
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.5, 6.0, 6.0

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ..... YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... (YES) NO
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? ..... YES (NO) N/A
16. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
SAMPLE # 1 & 5 4/4 VOA W/ BUBBLE
SAMPLE # 2 & 4 2/4 VOA W/ BUBBLE
SAMPLE # 7 1/4 VOA W/ BUBBLE

NO AMBER RECD FOR SAMPLE # 20 (TRIP BLANKS) NOT LOGGED FOR TEMP

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 205159
ANALYTICAL REPORT

Burns & McDonnell
393 East Grand Avenue
South San Francisco, CA 94080

Project : 48791
Location : YRC-Oakland
Level : II

Sample ID	Lab ID	Sample ID	Lab ID
BM-10-1S	205159-001	BM-15-2S	205159-015
BM-10-2S	205159-002	BM-16-1S	205159-016
BM-11-1S	205159-003	BM-16-2S	205159-017
BM-11-2S	205159-004	BM-17-1S	205159-018
BM-11-3S	205159-005	DUP-1S	205159-019
BM-12-1S	205159-006	BM-17-2S	205159-020
BM-13-1S	205159-007	BM-17-3S	205159-021
BM-13-2S	205159-008	BM-18-1S	205159-022
BM-14-1S	205159-009	BM-18-2S	205159-023
BM-14-2S	205159-010	BM-18-3S	205159-024
BM-14-3S	205159-011	BM-19-1S	205159-025
BM-12-2S	205159-012	BM-19-2S	205159-026
BM-12-3S	205159-013	BM-19-3S	205159-027
BM-15-1S	205159-014	BM-19-4S	205159-028

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 08/22/2008
Project Manager

Signature: _____ Date: 08/28/2008
Senior Program Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**205159**
Client:	**Burns & McDonnell**
Project:	**48791**
Location:	**YRC-Oakland**
Request Date:	**08/07/08**
Samples Received:	**08/07/08**

This hardcopy data package contains sample and QC results for twenty eight soil samples, requested for the above referenced project on 08/07/08. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
Low recoveries were observed for gasoline C7-C12 in the MS/MSD for batch 141540, due to matrix interference; the parent sample was not a project sample, these low recoveries were confirmed by re-analysis, the LCS was within limits, and the associated RPD was within limits. High surrogate recovery was observed for trifluorotoluene (FID) in the MS for batch 141540, due to interference from coeluting hydrocarbon peaks; the corresponding bromofluorobenzene (FID) surrogate recovery was within limits, and the parent sample was not a project sample. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
BM-11-1S (lab # 205159-003) was diluted due to the dark and viscous nature of the sample extract. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-10-1S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-001	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	112	62-138	EPA 8015B
Bromofluorobenzene (FID)	113	46-150	EPA 8015B
Trifluorotoluene (PID)	90	53-157	EPA 8021B
Bromofluorobenzene (PID)	93	57-155	EPA 8021B

Field ID:	BM-10-2S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-002	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.91	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.5	ug/Kg	EPA 8021B
Toluene	ND	4.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.5	ug/Kg	EPA 8021B
o-Xylene	ND	4.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	62-138	EPA 8015B
Bromofluorobenzene (FID)	113	46-150	EPA 8015B
Trifluorotoluene (PID)	87	53-157	EPA 8021B
Bromofluorobenzene (PID)	92	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-11-1S	Batch#:	141540
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-003	Analyzed:	08/18/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.94	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	62-138	EPA 8015B
Bromofluorobenzene (FID)	88	46-150	EPA 8015B
Trifluorotoluene (PID)	82	53-157	EPA 8021B
Bromofluorobenzene (PID)	88	57-155	EPA 8021B

Field ID:	BM-11-2S	Batch#:	141540
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-004	Analyzed:	08/18/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	62-138	EPA 8015B
Bromofluorobenzene (FID)	101	46-150	EPA 8015B
Trifluorotoluene (PID)	90	53-157	EPA 8021B
Bromofluorobenzene (PID)	98	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID: BM-11-3S
Type: SAMPLE
Lab ID: 205159-005
Sampled: 08/04/08

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	141341	08/13/08	EPA 8015B
MTBE	ND	18	ug/Kg	141540	08/18/08	EPA 8021B
Benzene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
Toluene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	105	62-138	141341	08/13/08	EPA 8015B
Bromofluorobenzene (FID)	109	46-150	141341	08/13/08	EPA 8015B
Trifluorotoluene (PID)	96	53-157	141540	08/18/08	EPA 8021B
Bromofluorobenzene (PID)	100	57-155	141540	08/18/08	EPA 8021B

Field ID: BM-12-1S
Type: SAMPLE
Lab ID: 205159-006
Sampled: 08/04/08

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	141341	08/13/08	EPA 8015B
MTBE	ND	18	ug/Kg	141540	08/18/08	EPA 8021B
Benzene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
Toluene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	141540	08/18/08	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	106	62-138	141341	08/13/08	EPA 8015B
Bromofluorobenzene (FID)	111	46-150	141341	08/13/08	EPA 8015B
Trifluorotoluene (PID)	94	53-157	141540	08/18/08	EPA 8021B
Bromofluorobenzene (PID)	99	57-155	141540	08/18/08	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-13-1S	Batch#:	141540
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-007	Analyzed:	08/18/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	101	46-150	EPA 8015B
Trifluorotoluene (PID)	95	53-157	EPA 8021B
Bromofluorobenzene (PID)	102	57-155	EPA 8021B

Field ID:	BM-13-2S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-008	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	62-138	EPA 8015B
Bromofluorobenzene (FID)	110	46-150	EPA 8015B
Trifluorotoluene (PID)	79	53-157	EPA 8021B
Bromofluorobenzene (PID)	86	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-14-1S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-009	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	62-138	EPA 8015B
Bromofluorobenzene (FID)	112	46-150	EPA 8015B
Trifluorotoluene (PID)	82	53-157	EPA 8021B
Bromofluorobenzene (PID)	90	57-155	EPA 8021B

Field ID:	BM-14-2S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-010	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	62-138	EPA 8015B
Bromofluorobenzene (FID)	114	46-150	EPA 8015B
Trifluorotoluene (PID)	78	53-157	EPA 8021B
Bromofluorobenzene (PID)	88	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-14-3S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-011	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.95	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.8	ug/Kg	EPA 8021B
Toluene	ND	4.8	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.8	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.8	ug/Kg	EPA 8021B
o-Xylene	ND	4.8	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	62-138	EPA 8015B
Bromofluorobenzene (FID)	109	46-150	EPA 8015B
Trifluorotoluene (PID)	78	53-157	EPA 8021B
Bromofluorobenzene (PID)	85	57-155	EPA 8021B

Field ID:	BM-12-2S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-012	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	62-138	EPA 8015B
Bromofluorobenzene (FID)	105	46-150	EPA 8015B
Trifluorotoluene (PID)	78	53-157	EPA 8021B
Bromofluorobenzene (PID)	81	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-12-3S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-013	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	105	62-138	EPA 8015B
Bromofluorobenzene (FID)	109	46-150	EPA 8015B
Trifluorotoluene (PID)	82	53-157	EPA 8021B
Bromofluorobenzene (PID)	85	57-155	EPA 8021B

Field ID:	BM-15-1S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-014	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	62-138	EPA 8015B
Bromofluorobenzene (FID)	110	46-150	EPA 8015B
Trifluorotoluene (PID)	91	53-157	EPA 8021B
Bromofluorobenzene (PID)	93	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-15-2S	Batch#:	141341
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-015	Analyzed:	08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	108	62-138	EPA 8015B
Bromofluorobenzene (FID)	113	46-150	EPA 8015B
Trifluorotoluene (PID)	86	53-157	EPA 8021B
Bromofluorobenzene (PID)	91	57-155	EPA 8021B

Field ID:	BM-16-1S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-016	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	103	46-150	EPA 8015B
Trifluorotoluene (PID)	97	53-157	EPA 8021B
Bromofluorobenzene (PID)	100	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-16-2S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-017	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	62-138	EPA 8015B
Bromofluorobenzene (FID)	98	46-150	EPA 8015B
Trifluorotoluene (PID)	101	53-157	EPA 8021B
Bromofluorobenzene (PID)	101	57-155	EPA 8021B

Field ID:	BM-17-1S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-018	Analyzed:	08/16/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	97	46-150	EPA 8015B
Trifluorotoluene (PID)	97	53-157	EPA 8021B
Bromofluorobenzene (PID)	101	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	DUP-1S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-019	Analyzed:	08/16/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	98	46-150	EPA 8015B
Trifluorotoluene (PID)	99	53-157	EPA 8021B
Bromofluorobenzene (PID)	103	57-155	EPA 8021B

Field ID:	BM-17-2S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-020	Analyzed:	08/16/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	62-138	EPA 8015B
Bromofluorobenzene (FID)	99	46-150	EPA 8015B
Trifluorotoluene (PID)	99	53-157	EPA 8021B
Bromofluorobenzene (PID)	103	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-17-3S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-021	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	62-138	EPA 8015B
Bromofluorobenzene (FID)	97	46-150	EPA 8015B
Trifluorotoluene (PID)	100	53-157	EPA 8021B
Bromofluorobenzene (PID)	102	57-155	EPA 8021B

Field ID:	BM-18-1S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-022	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	62-138	EPA 8015B
Bromofluorobenzene (FID)	98	46-150	EPA 8015B
Trifluorotoluene (PID)	101	53-157	EPA 8021B
Bromofluorobenzene (PID)	104	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-18-2S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-023	Analyzed:	08/16/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	96	46-150	EPA 8015B
Trifluorotoluene (PID)	99	53-157	EPA 8021B
Bromofluorobenzene (PID)	102	57-155	EPA 8021B

Field ID:	BM-18-3S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-024	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	62-138	EPA 8015B
Bromofluorobenzene (FID)	101	46-150	EPA 8015B
Trifluorotoluene (PID)	105	53-157	EPA 8021B
Bromofluorobenzene (PID)	109	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-19-1S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-025	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	62-138	EPA 8015B
Bromofluorobenzene (FID)	100	46-150	EPA 8015B
Trifluorotoluene (PID)	104	53-157	EPA 8021B
Bromofluorobenzene (PID)	108	57-155	EPA 8021B

Field ID:	BM-19-2S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-026	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	62-138	EPA 8015B
Bromofluorobenzene (FID)	96	46-150	EPA 8015B
Trifluorotoluene (PID)	98	53-157	EPA 8021B
Bromofluorobenzene (PID)	102	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Field ID:	BM-19-3S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-027	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	62-138	EPA 8015B
Bromofluorobenzene (FID)	100	46-150	EPA 8015B
Trifluorotoluene (PID)	104	53-157	EPA 8021B
Bromofluorobenzene (PID)	108	57-155	EPA 8021B

Field ID:	BM-19-4S	Batch#:	141476
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-028	Analyzed:	08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.94	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	62-138	EPA 8015B
Bromofluorobenzene (FID)	107	46-150	EPA 8015B
Trifluorotoluene (PID)	107	53-157	EPA 8021B
Bromofluorobenzene (PID)	109	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Type: BLANK Batch#: 141341
Lab ID: QC455172 Analyzed: 08/12/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	62-138	EPA 8015B
Bromofluorobenzene (FID)	109	46-150	EPA 8015B
Trifluorotoluene (PID)	79	53-157	EPA 8021B
Bromofluorobenzene (PID)	87	57-155	EPA 8021B

Type: BLANK Batch#: 141476
Lab ID: QC455771 Analyzed: 08/15/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	62-138	EPA 8015B
Bromofluorobenzene (FID)	99	46-150	EPA 8015B
Trifluorotoluene (PID)	98	53-157	EPA 8021B
Bromofluorobenzene (PID)	100	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791		
Matrix:	Soil	Diln Fac:	1.000
Basis:	as received	Received:	08/07/08

Type:	BLANK	Batch#:	141540
Lab ID:	QC456055	Analyzed:	08/18/08

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	62-138	EPA 8015B
Bromofluorobenzene (FID)	96	46-150	EPA 8015B
Trifluorotoluene (PID)	92	53-157	EPA 8021B
Bromofluorobenzene (PID)	97	57-155	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC455173	Diln Fac:	1.000
Matrix:	Soil	Batch#:	141341
Units:	mg/Kg	Analyzed:	08/12/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.572	111	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	62-138
Bromofluorobenzene (FID)	112	46-150

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC455174	Diln Fac:	1.000
Matrix:	Soil	Batch#:	141341
Units:	ug/Kg	Analyzed:	08/12/08

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	51.32	103	69-129
Benzene	50.00	46.53	93	80-120
Toluene	50.00	47.96	96	80-120
Ethylbenzene	50.00	46.45	93	80-120
m,p-Xylenes	50.00	44.99	90	80-122
o-Xylene	50.00	46.96	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	79	53-157
Bromofluorobenzene (PID)	86	57-155

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	BM-12-3S	Diln Fac:	1.000
MSS Lab ID:	205159-013	Batch#:	141341
Matrix:	Soil	Sampled:	08/05/08
Units:	mg/Kg	Received:	08/07/08
Basis:	as received	Analyzed:	08/13/08

Type: MS Lab ID: QC455253

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.06712	10.10	10.47	104	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	62-138
Bromofluorobenzene (FID)	112	46-150

Type: MSD Lab ID: QC455254

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.00	100	45-120	4	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	62-138
Bromofluorobenzene (FID)	111	46-150

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC455772	Diln Fac:	1.000
Matrix:	Soil	Batch#:	141476
Units:	mg/Kg	Analyzed:	08/15/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	4.746	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	62-138
Bromofluorobenzene (FID)	105	46-150

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC455773	Diln Fac:	1.000
Matrix:	Soil	Batch#:	141476
Units:	ug/Kg	Analyzed:	08/15/08

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	48.80	98	69-129
Benzene	50.00	48.79	98	80-120
Toluene	50.00	47.12	94	80-120
Ethylbenzene	50.00	47.79	96	80-120
m,p-Xylenes	50.00	47.37	95	80-122
o-Xylene	50.00	46.79	94	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	86	53-157
Bromofluorobenzene (PID)	84	57-155

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	205242-001	Batch#:	141476
Matrix:	Soil	Sampled:	07/17/08
Units:	mg/Kg	Received:	08/07/08
Basis:	as received	Analyzed:	08/15/08

Type: MS Lab ID: QC455774

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.07620	9.524	7.318	76	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	62-138
Bromofluorobenzene (FID)	109	46-150

Type: MSD Lab ID: QC455775

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.524	7.194	75	45-120	2	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-138
Bromofluorobenzene (FID)	106	46-150

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC456056	Diln Fac:	1.000
Matrix:	Soil	Batch#:	141540
Units:	mg/Kg	Analyzed:	08/18/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	4.765	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	62-138
Bromofluorobenzene (FID)	104	46-150

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8021B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	141540
Basis:	as received	Analyzed:	08/18/08

Type: BS Lab ID: QC456057

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	51.01	102	69-129
Benzene	50.00	49.07	98	80-120
Toluene	50.00	47.60	95	80-120
Ethylbenzene	50.00	47.69	95	80-120
m,p-Xylenes	50.00	48.02	96	80-122
o-Xylene	50.00	48.07	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	88	53-157
Bromofluorobenzene (PID)	93	57-155

Type: BSD Lab ID: QC456058

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	51.64	103	69-129	1	22
Benzene	50.00	50.74	101	80-120	3	20
Toluene	50.00	50.25	101	80-120	5	20
Ethylbenzene	50.00	51.77	104	80-120	8	20
m,p-Xylenes	50.00	49.48	99	80-122	3	20
o-Xylene	50.00	49.98	100	80-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	53-157
Bromofluorobenzene (PID)	102	57-155

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	205258-030	Batch#:	141540
Matrix:	Soil	Sampled:	08/12/08
Units:	mg/Kg	Received:	08/12/08
Basis:	as received	Analyzed:	08/18/08

Type: MS Lab ID: QC456059

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	4.271	9.524	8.249	42 *	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	151 *	62-138
Bromofluorobenzene (FID)	134	46-150

Type: MSD Lab ID: QC456060

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.53	7.153	27 *	45-120	21	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-138
Bromofluorobenzene (FID)	123	46-150

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-10-1S	Sampled:	08/04/08
Type:	SAMPLE	Analyzed:	08/12/08
Lab ID:	205159-001	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	141288		

Analyte	Result	RL
Diesel C10-C24 (SGCU)	4.5 Y	0.99
Diesel C10-C24	6.7 Y	0.99
Motor Oil C24-C36	16	5.0
Motor Oil C24-C36 (SGCU)	12	5.0

Surrogate	%REC	Limits
Hexacosane (SGCU)	85	48-128
Hexacosane	93	48-128

Field ID:	BM-10-2S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-002	Analyzed:	08/12/08
Diln Fac:	1.000	Prep:	EPA 3550B

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	48-128

Field ID:	BM-11-1S	Sampled:	08/04/08
Type:	SAMPLE	Analyzed:	08/12/08
Lab ID:	205159-003	Prep:	EPA 3550B
Batch#:	141288	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Diln Fac
Diesel C10-C24 (SGCU)	30 Y	10	10.00
Diesel C10-C24	35 Y	20	20.00
Motor Oil C24-C36	870	100	20.00
Motor Oil C24-C36 (SGCU)	860	50	10.00

Surrogate	%REC	Limits	Diln Fac
Hexacosane (SGCU)	DO	48-128	10.00
Hexacosane	DO	48-128	20.00

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-11-2S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-004	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	1.0	08/13/08
Diesel C10-C24	1.3 Y	1.0	08/12/08
Motor Oil C24-C36	ND	5.0	08/12/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	85	48-128	08/13/08
Hexacosane	80	48-128	08/12/08

Field ID:	BM-11-3S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/04/08
Lab ID:	205159-005	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	1.1 Y	0.99	08/13/08
Diesel C10-C24	1.5 Y	0.99	08/12/08
Motor Oil C24-C36	ND	5.0	08/12/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	108	48-128	08/13/08
Hexacosane	97	48-128	08/12/08

Field ID:	BM-12-1S	Sampled:	08/04/08
Type:	SAMPLE	Analyzed:	08/12/08
Lab ID:	205159-006	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	141288		

Analyte	Result	RL
Diesel C10-C24 (SGCU)	65 Y	1.0
Diesel C10-C24	78 Y	1.0
Motor Oil C24-C36	150	5.0
Motor Oil C24-C36 (SGCU)	130	5.0

Surrogate	%REC	Limits
Hexacosane (SGCU)	94	48-128
Hexacosane	102	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-13-1S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-007	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	3.7 Y	0.99	08/15/08
Diesel C10-C24	4.8 Y	0.99	08/12/08
Motor Oil C24-C36	16	5.0	08/12/08
Motor Oil C24-C36 (SGCU)	13	5.0	08/15/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	93	48-128	08/15/08
Hexacosane	88	48-128	08/12/08

Field ID:	BM-13-2S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-008	Analyzed:	08/12/08
Diln Fac:	1.000	Prep:	EPA 3550B

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	86	48-128

Field ID:	BM-14-1S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-009	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	56 Y	1.0	08/13/08
Diesel C10-C24	65 Y	1.0	08/12/08
Motor Oil C24-C36	110	5.0	08/12/08
Motor Oil C24-C36 (SGCU)	90	5.0	08/13/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	90	48-128	08/13/08
Hexacosane	91	48-128	08/12/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-14-2S	Batch#:	141288
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-010	Analyzed:	08/12/08
Diln Fac:	1.000	Prep:	EPA 3550B

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	48-128

Field ID:	BM-14-3S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-011	Analyzed:	08/13/08
Diln Fac:	1.000	Prep:	SHAKER TABLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	104	48-128

Field ID:	BM-12-2S	Sampled:	08/05/08
Type:	SAMPLE	Analyzed:	08/13/08
Lab ID:	205159-012	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	141312		

Analyte	Result	RL
Diesel C10-C24 (SGCU)	1.2 Y	1.0
Diesel C10-C24	2.7 Y	1.0
Motor Oil C24-C36	22	5.0
Motor Oil C24-C36 (SGCU)	10	5.0

Surrogate	%REC	Limits
Hexacosane (SGCU)	77	48-128
Hexacosane	86	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-12-3S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-013	Analyzed:	08/13/08
Diln Fac:	1.000	Prep:	SHAKER TABLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	95	48-128

Field ID:	BM-15-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-014	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	45 Y	1.0	08/14/08
Diesel C10-C24	50 Y	1.0	08/13/08
Motor Oil C24-C36	260	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	320	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	96	48-128	08/14/08
Hexacosane	88	48-128	08/13/08

Field ID:	BM-15-2S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-015	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	1.3 Y	0.99	08/14/08
Diesel C10-C24	2.3 Y	0.99	08/13/08
Motor Oil C24-C36	9.4	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	11	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	88	48-128	08/14/08
Hexacosane	85	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-16-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-016	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	2.4 Y	0.99	08/14/08
Diesel C10-C24	4.1 Y	0.99	08/13/08
Motor Oil C24-C36	12	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	13	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	93	48-128	08/14/08
Hexacosane	82	48-128	08/13/08

Field ID:	BM-16-2S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/05/08
Lab ID:	205159-017	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	1.0	08/14/08
Diesel C10-C24	1.7 Y	1.0	08/13/08
Motor Oil C24-C36	ND	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	99	48-128	08/14/08
Hexacosane	109	48-128	08/13/08

Field ID:	BM-17-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-018	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	2.4 Y	1.0	08/14/08
Diesel C10-C24	5.1 Y	1.0	08/13/08
Motor Oil C24-C36	17	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	16	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	83	48-128	08/14/08
Hexacosane	82	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	DUP-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-019	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	0.99	08/14/08
Diesel C10-C24	1.4 Y	0.99	08/13/08
Motor Oil C24-C36	ND	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	89	48-128	08/14/08
Hexacosane	73	48-128	08/13/08

Field ID:	BM-17-2S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-020	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	3.1 Y	0.99	08/14/08
Diesel C10-C24	5.1 Y	0.99	08/13/08
Motor Oil C24-C36	17	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	15	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	84	48-128	08/14/08
Hexacosane	75	48-128	08/13/08

Field ID:	BM-17-3S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-021	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	1.3 Y	0.99	08/14/08
Diesel C10-C24	2.9 Y	0.99	08/13/08
Motor Oil C24-C36	7.1	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	8.2	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	92	48-128	08/14/08
Hexacosane	86	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-18-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-022	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	3.7 Y	0.99	08/14/08
Diesel C10-C24	8.1 Y	0.99	08/13/08
Motor Oil C24-C36	25	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	16	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	87	48-128	08/14/08
Hexacosane	104	48-128	08/13/08

Field ID:	BM-18-2S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-023	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	1.0	08/14/08
Diesel C10-C24	1.5 Y	1.0	08/13/08
Motor Oil C24-C36	5.1	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	83	48-128	08/14/08
Hexacosane	93	48-128	08/13/08

Field ID:	BM-18-3S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-024	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	2.0 Y	0.99	08/14/08
Diesel C10-C24	4.1 Y	0.99	08/13/08
Motor Oil C24-C36	9.8	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	13	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	97	48-128	08/14/08
Hexacosane	92	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-19-1S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-025	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	7.6 Y	1.0	08/14/08
Diesel C10-C24	14 Y	1.0	08/13/08
Motor Oil C24-C36	23	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	15	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	89	48-128	08/14/08
Hexacosane	110	48-128	08/13/08

Field ID:	BM-19-2S	Sampled:	08/06/08
Type:	SAMPLE	Analyzed:	08/13/08
Lab ID:	205159-026	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	141312		

Analyte	Result	RL
Diesel C10-C24 (SGCU)	3.7 Y	1.0
Diesel C10-C24	4.8 Y	1.0
Motor Oil C24-C36	22	5.0
Motor Oil C24-C36 (SGCU)	19	5.0

Surrogate	%REC	Limits
Hexacosane (SGCU)	95	48-128
Hexacosane	99	48-128

Field ID:	BM-19-3S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-027	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	1.0	08/14/08
Diesel C10-C24	1.1 Y	1.0	08/13/08
Motor Oil C24-C36	ND	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	94	48-128	08/14/08
Hexacosane	101	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Analysis:	EPA 8015B
Project#:	48791		
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received		

Field ID:	BM-19-4S	Batch#:	141312
Type:	SAMPLE	Sampled:	08/06/08
Lab ID:	205159-028	Analyzed:	08/13/08
Diln Fac:	1.000	Prep:	SHAKER TABLE

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	96	48-128

Type:	BLANK	Analyzed:	08/11/08
Lab ID:	QC454968	Prep:	EPA 3550B
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	141288		

Analyte	Result	RL
Diesel C10-C24 (SGCU)	ND	1.0
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0
Motor Oil C24-C36 (SGCU)	ND	5.0

Surrogate	%REC	Limits
Hexacosane (SGCU)	84	48-128
Hexacosane	88	48-128

Type:	BLANK	Batch#:	141312
Lab ID:	QC455060	Prep:	SHAKER TABLE
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL	Analyzed
Diesel C10-C24 (SGCU)	ND	1.0	08/14/08
Diesel C10-C24	ND	1.0	08/13/08
Motor Oil C24-C36	ND	5.0	08/13/08
Motor Oil C24-C36 (SGCU)	ND	5.0	08/14/08

Surrogate	%REC	Limits	Analyzed
Hexacosane (SGCU)	75	48-128	08/14/08
Hexacosane	80	48-128	08/13/08

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3550B
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC454969	Batch#:	141288
Matrix:	Soil	Prepared:	08/11/08
Units:	mg/Kg	Analyzed:	08/11/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24 (SGCU)	49.96	37.53	75	54-126

Surrogate	%REC	Limits
Hexacosane (SGCU)	84	48-128

SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	EPA 3550B
Project#:	48791	Analysis:	EPA 8015B
Field ID:	BM-13-2S	Batch#:	141288
MSS Lab ID:	205159-008	Sampled:	08/05/08
Matrix:	Soil	Received:	08/07/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received	Analyzed:	08/11/08
Diln Fac:	1.000		

Type: MS Lab ID: QC454970

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.2108	49.99	36.91	74	34-144

Surrogate	%REC	Limits
Hexacosane	80	48-128

Type: MSD Lab ID: QC454971

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.55	37.11	75	34-144	1	47

Surrogate	%REC	Limits
Hexacosane	82	48-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	SHAKER TABLE
Project#:	48791	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC455061	Batch#:	141312
Matrix:	Soil	Prepared:	08/11/08
Units:	mg/Kg	Analyzed:	08/14/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24 (SGCU)	49.95	40.91	82	54-126

Surrogate	%REC	Limits
Hexacosane (SGCU)	85	48-128

SGCU= Silica gel cleanup

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	205159	Location:	YRC-Oakland
Client:	Burns & McDonnell	Prep:	SHAKER TABLE
Project#:	48791	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	141312
MSS Lab ID:	205190-009	Sampled:	08/07/08
Matrix:	Soil	Received:	08/08/08
Units:	mg/Kg	Prepared:	08/11/08
Basis:	as received	Analyzed:	08/13/08
Diln Fac:	1.000		

Type: MS Lab ID: QC455062

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	5.351	49.80	64.81	119	34-144

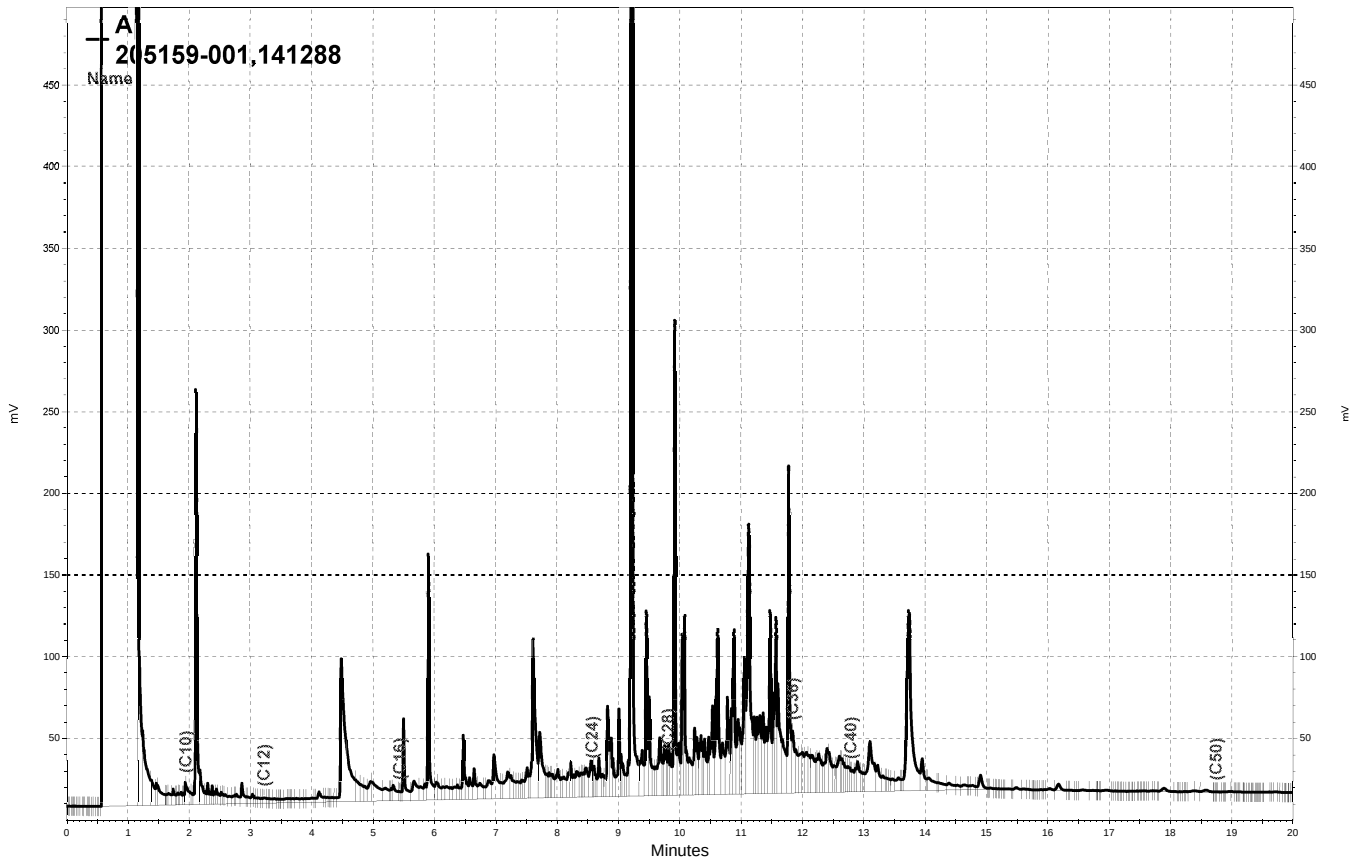
Surrogate	%REC	Limits
Hexacosane	120	48-128

Type: MSD Lab ID: QC455063

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.91	51.99	93	34-144	22	47

Surrogate	%REC	Limits
Hexacosane	93	48-128

RPD= Relative Percent Difference



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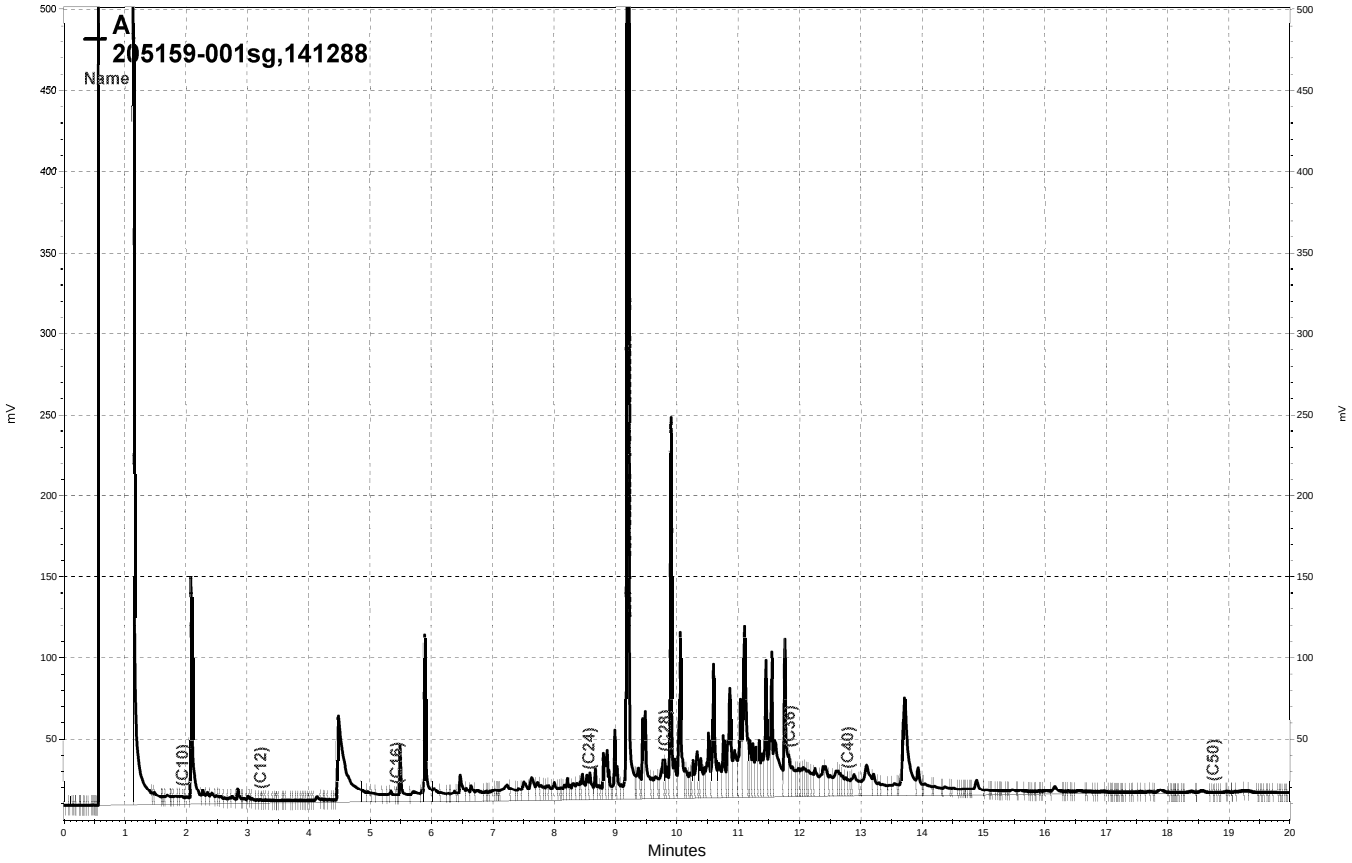

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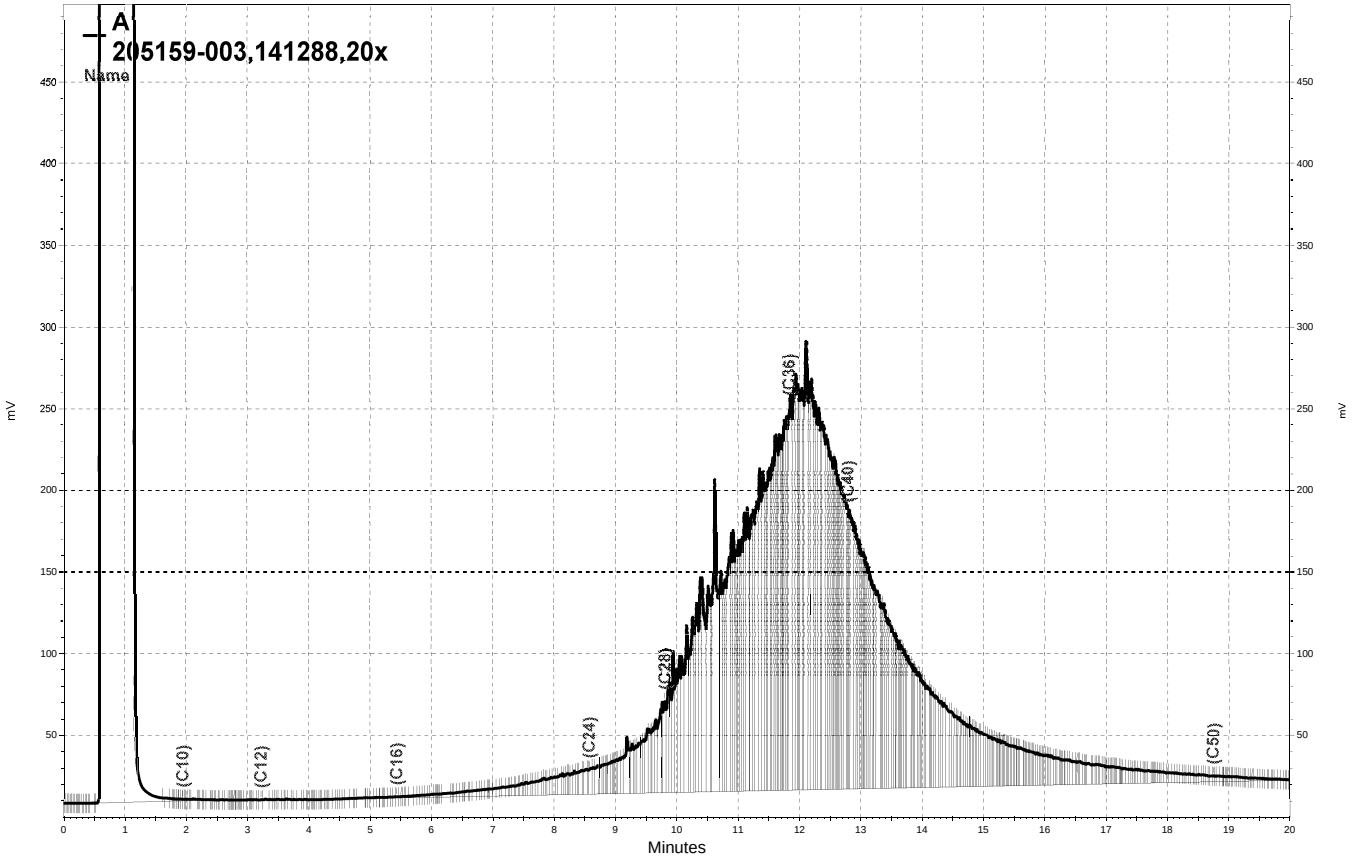

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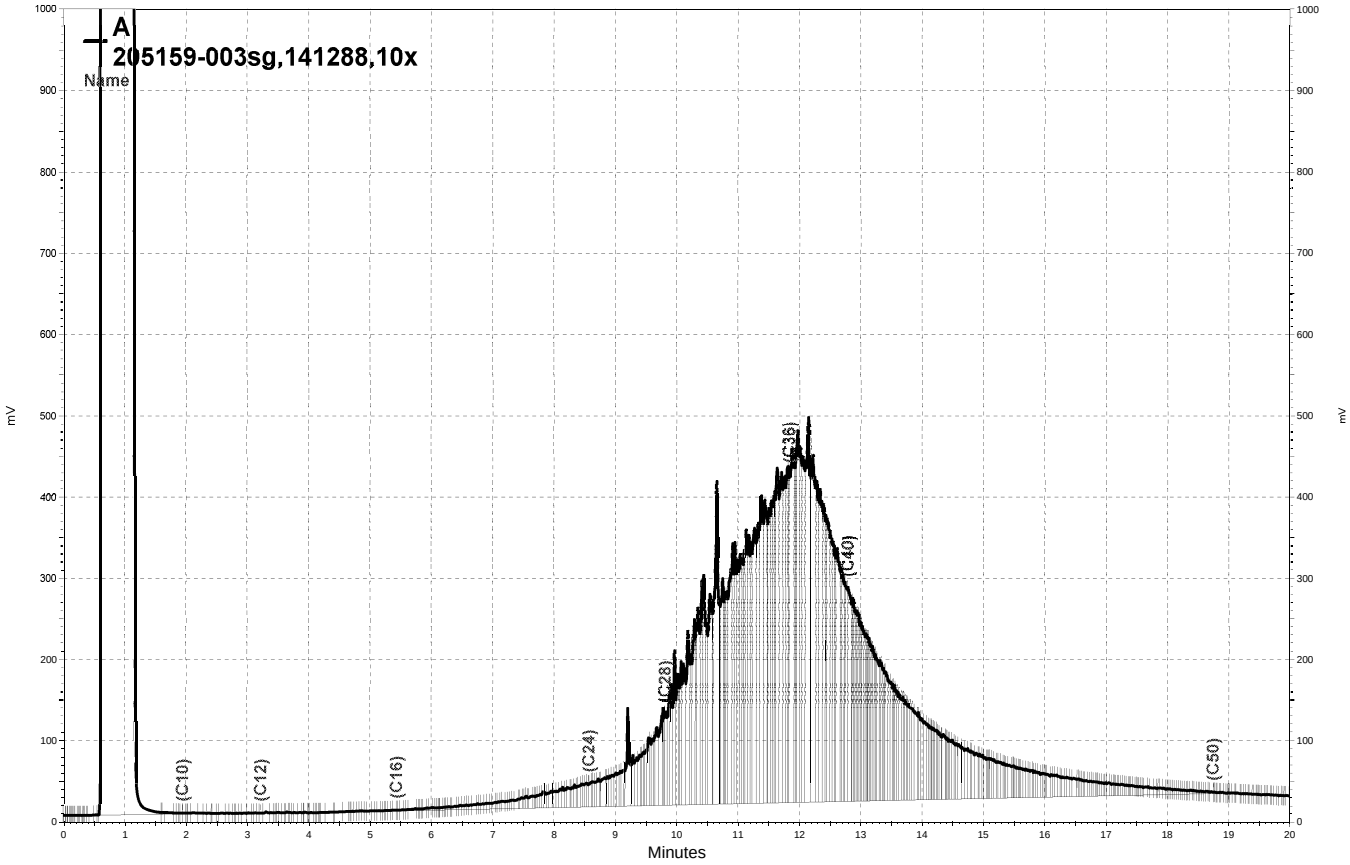

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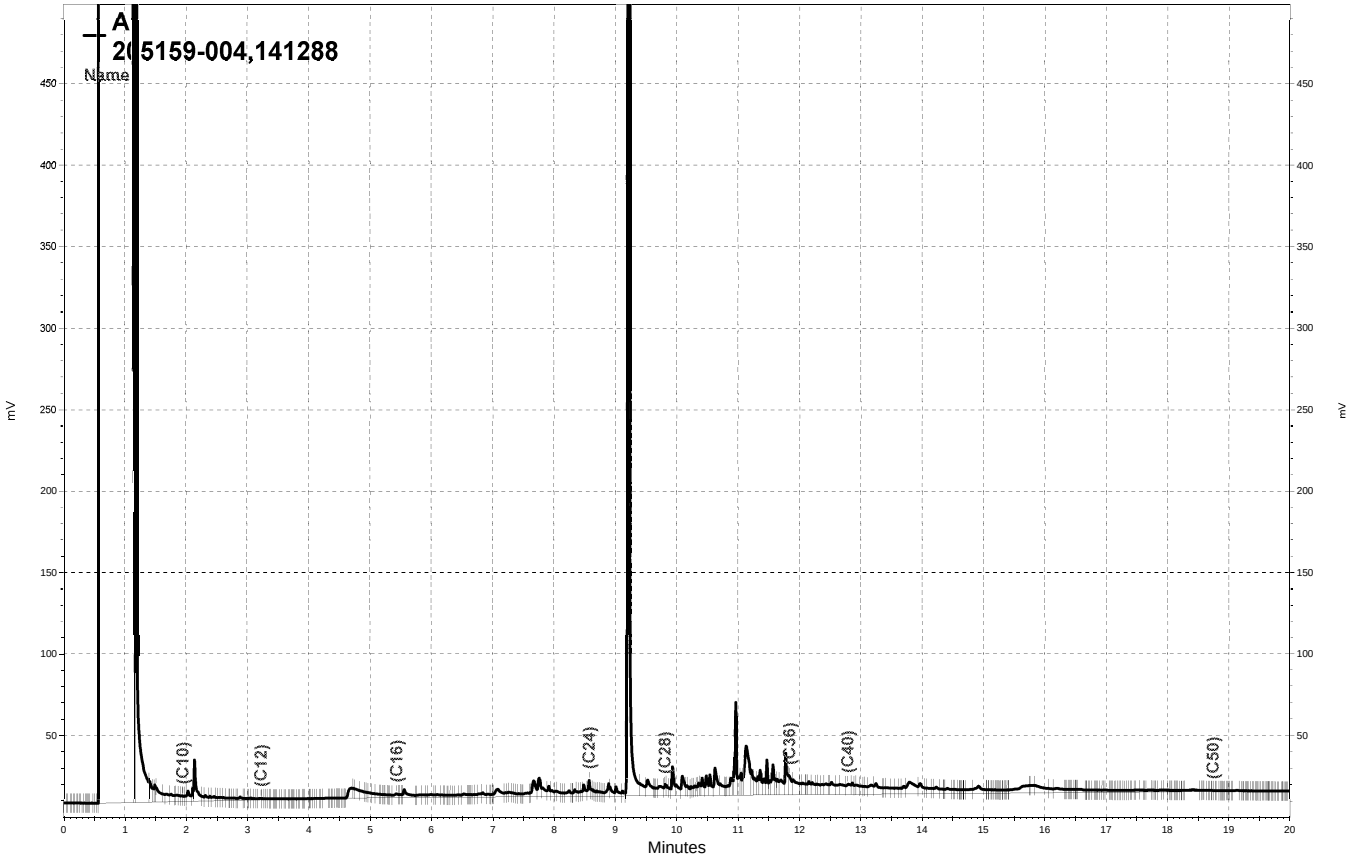

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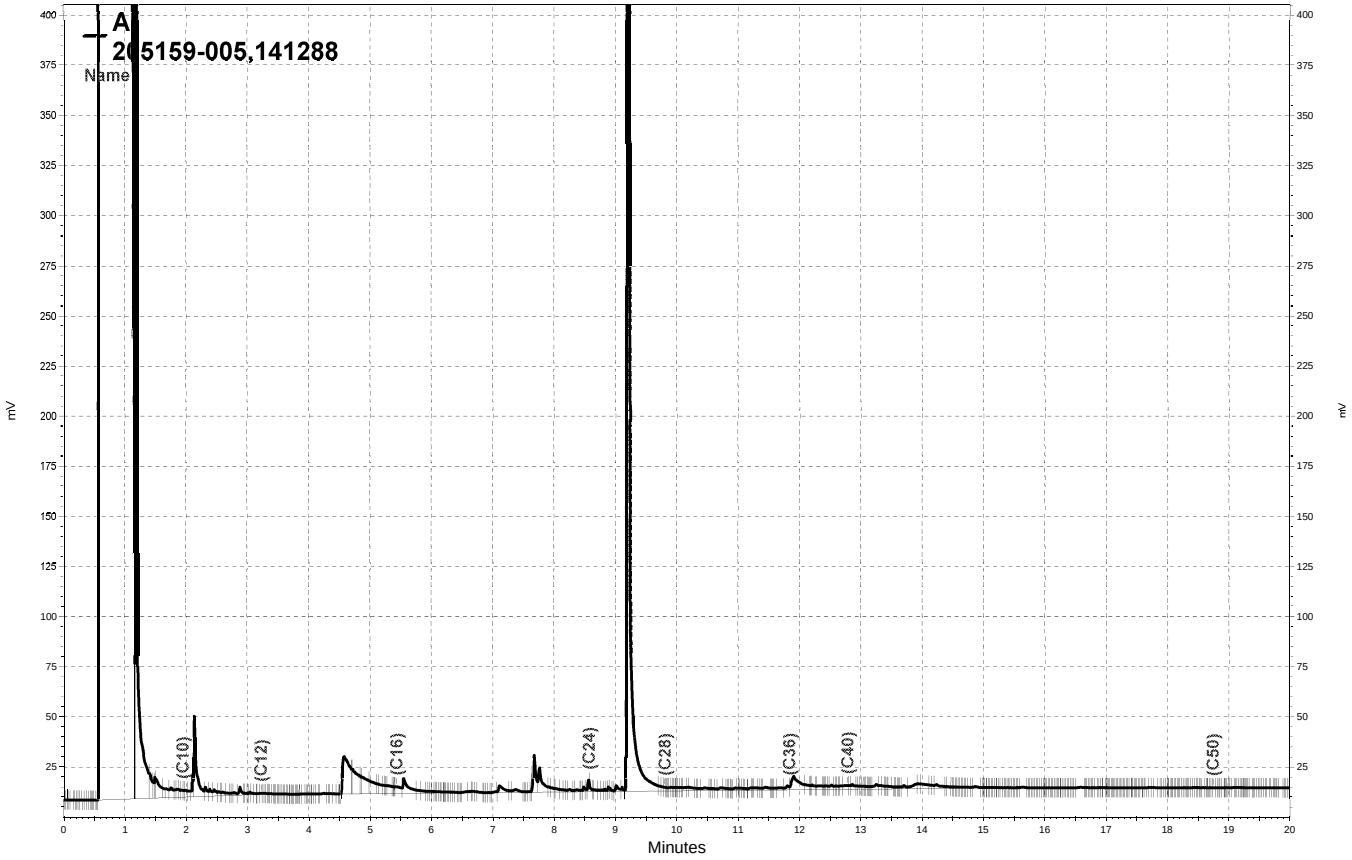

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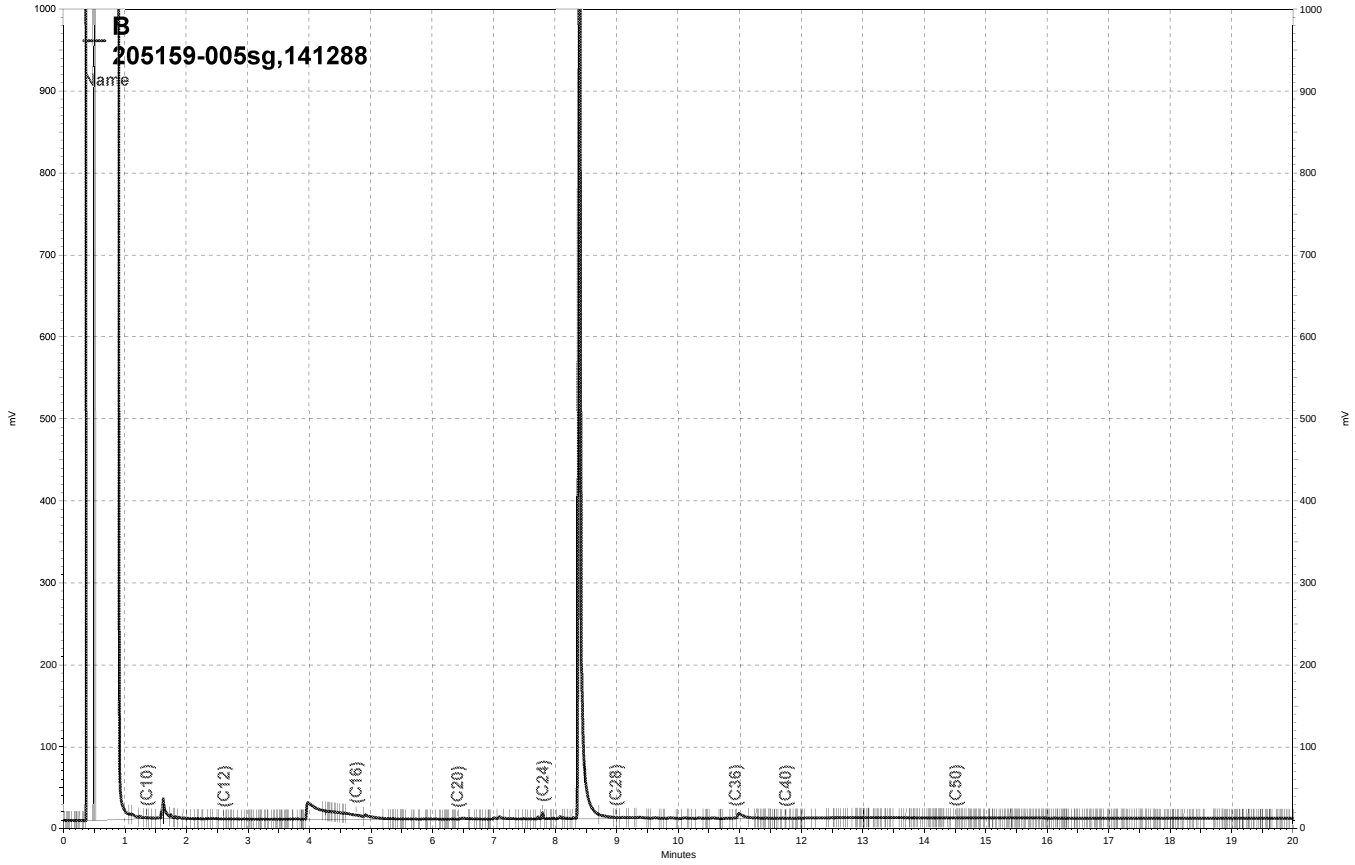

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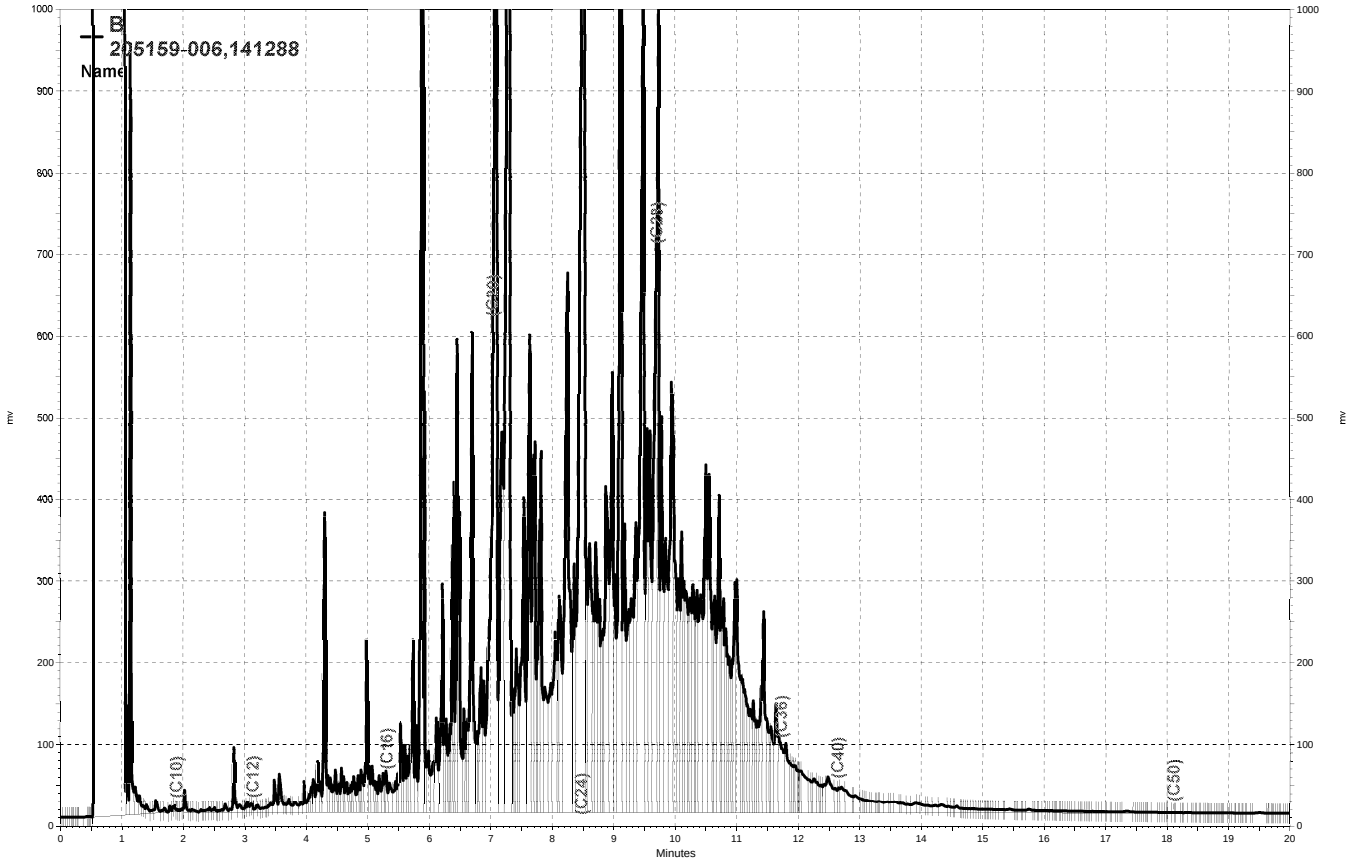

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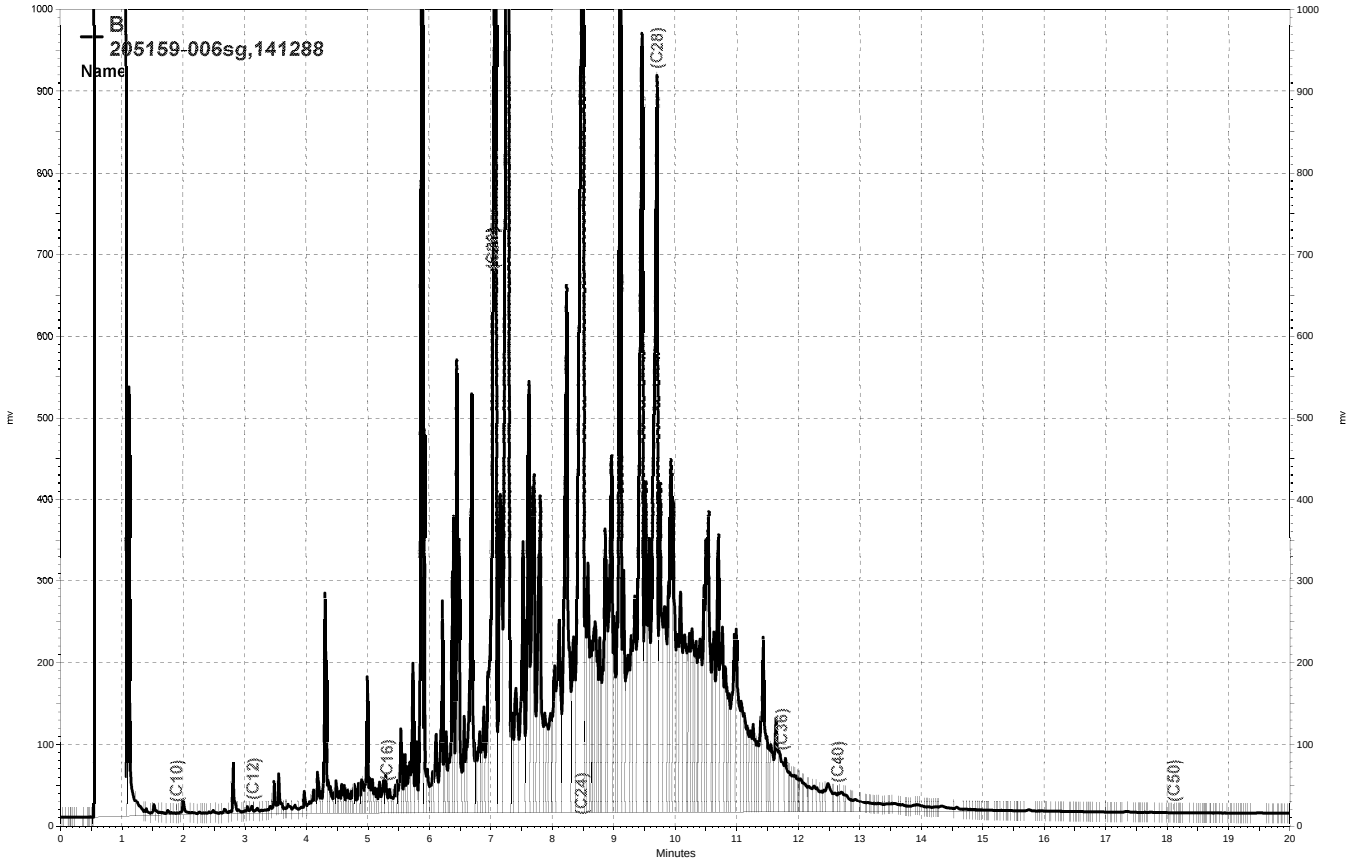

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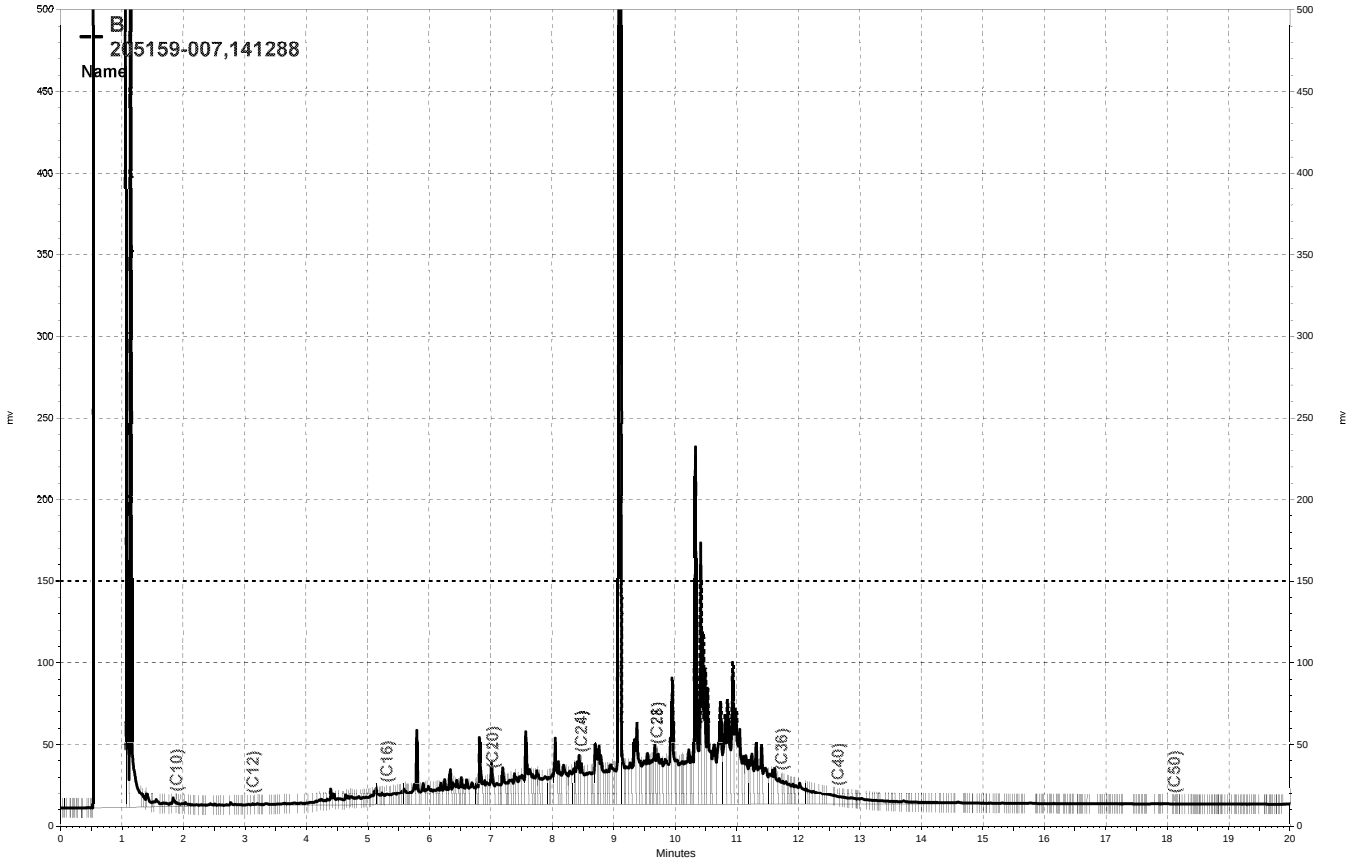

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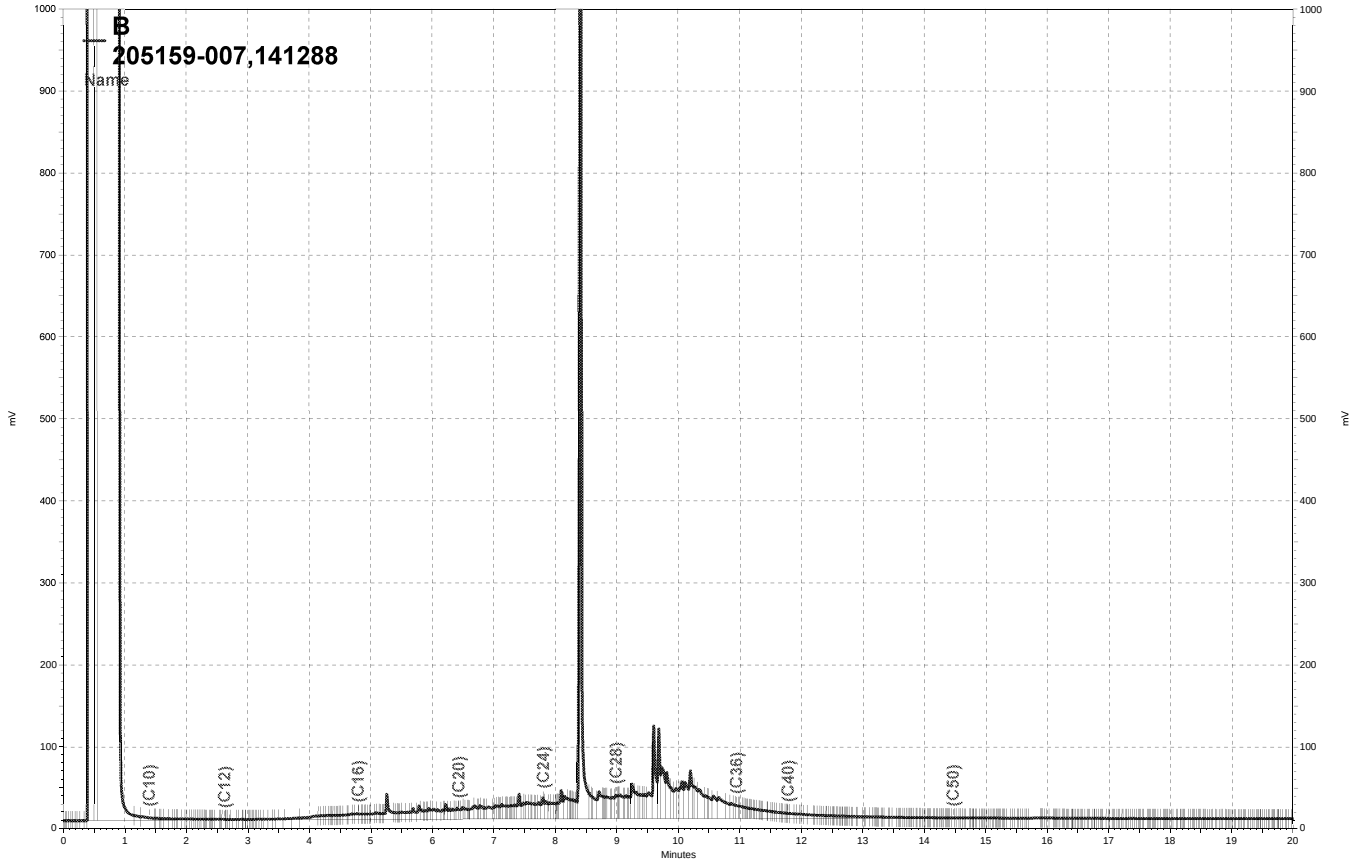

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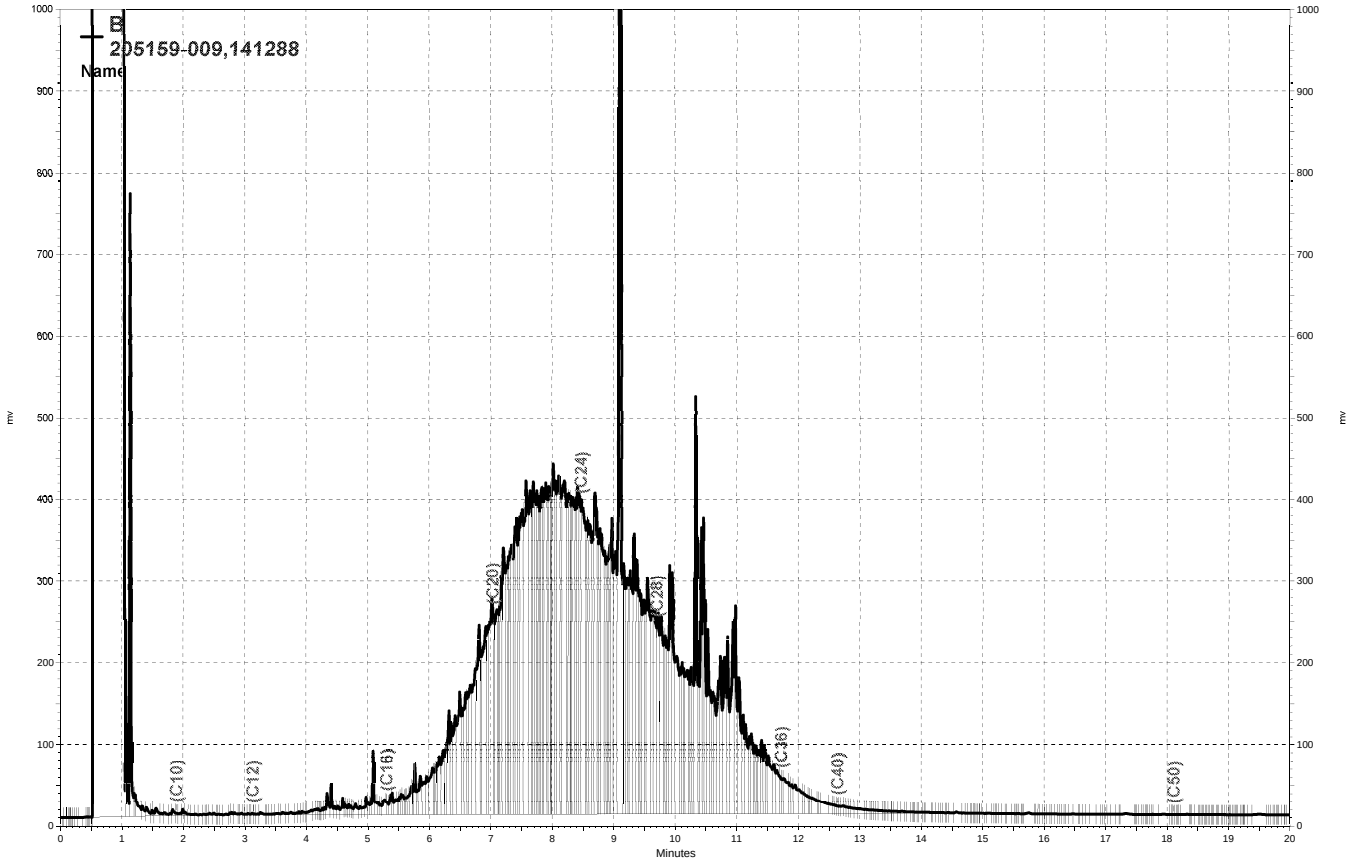

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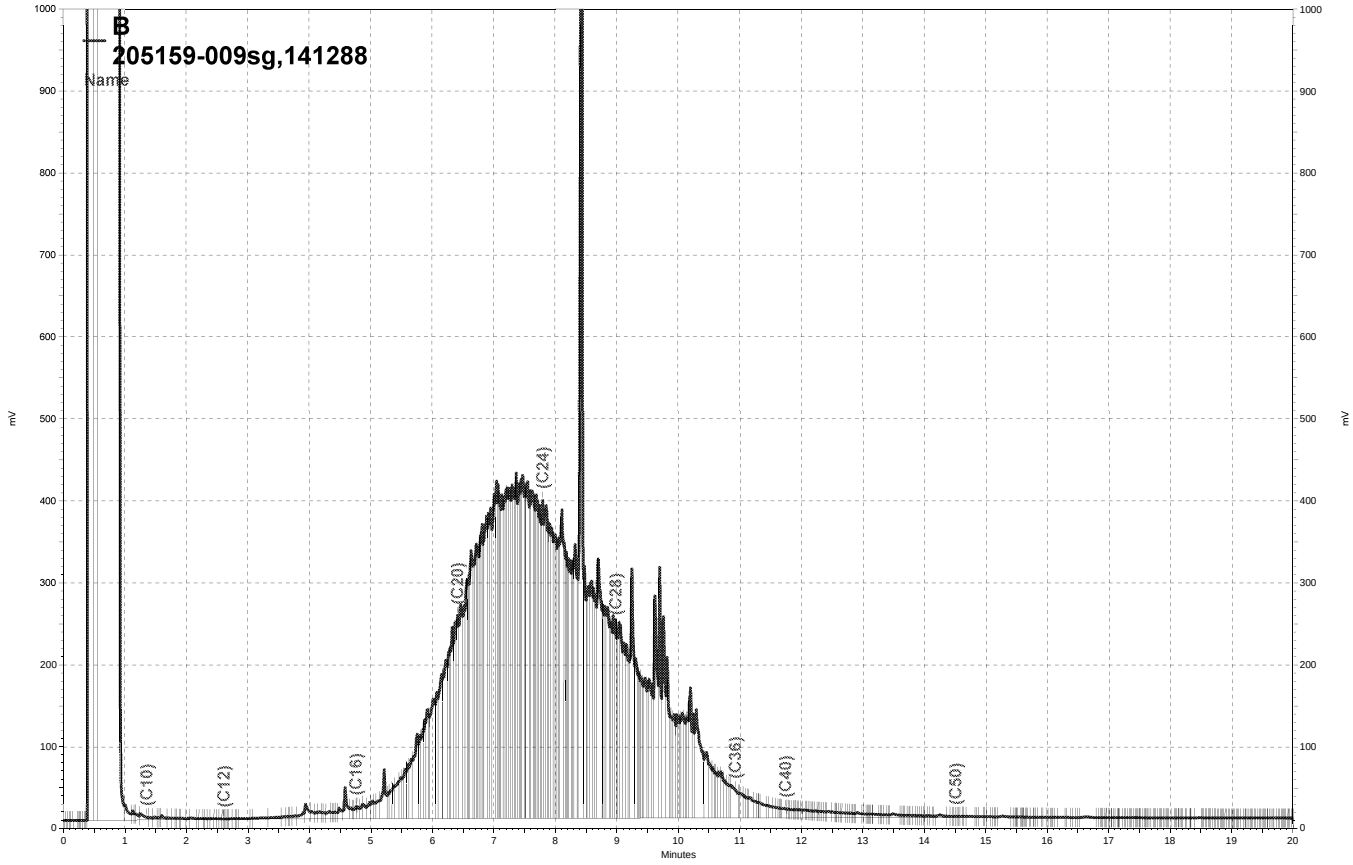

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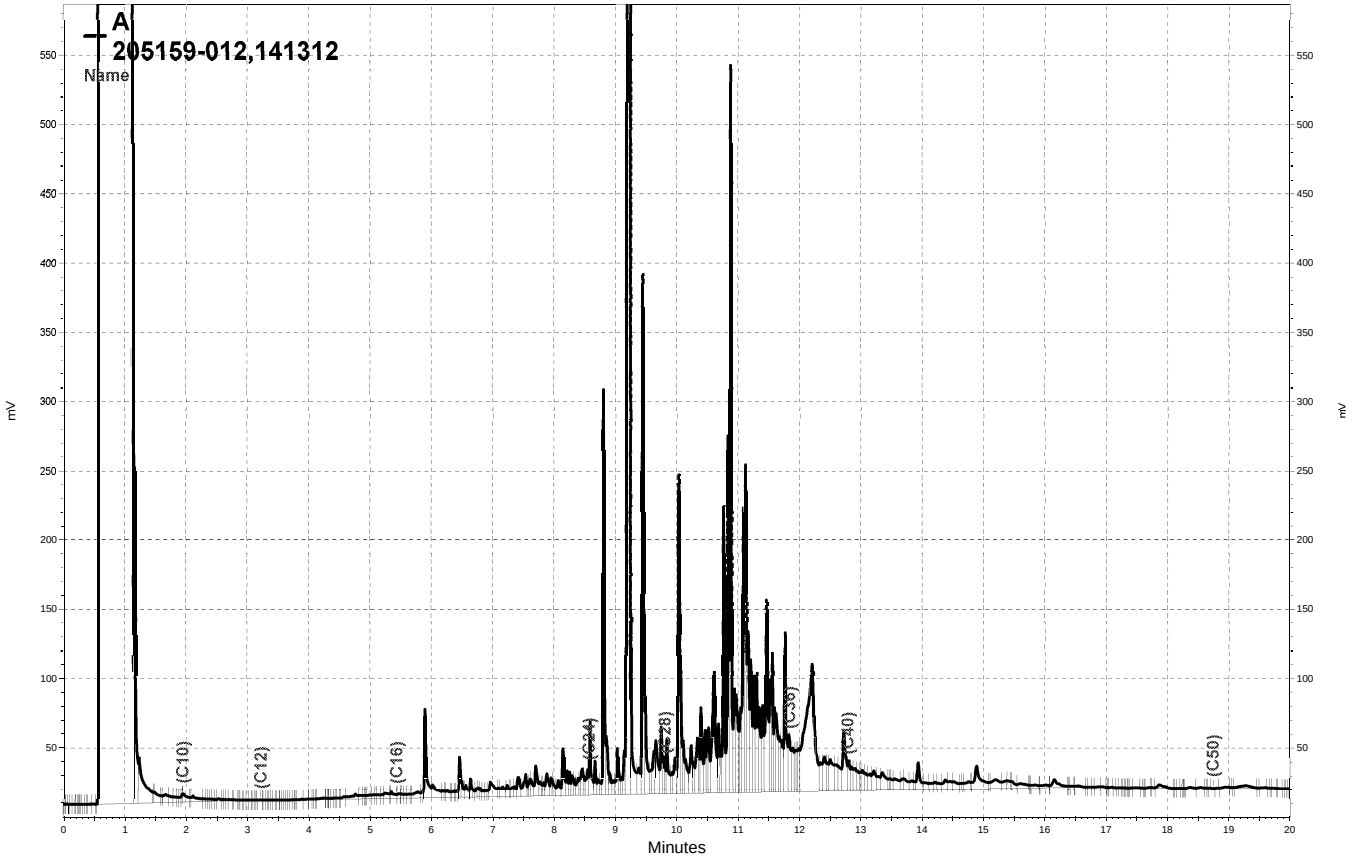

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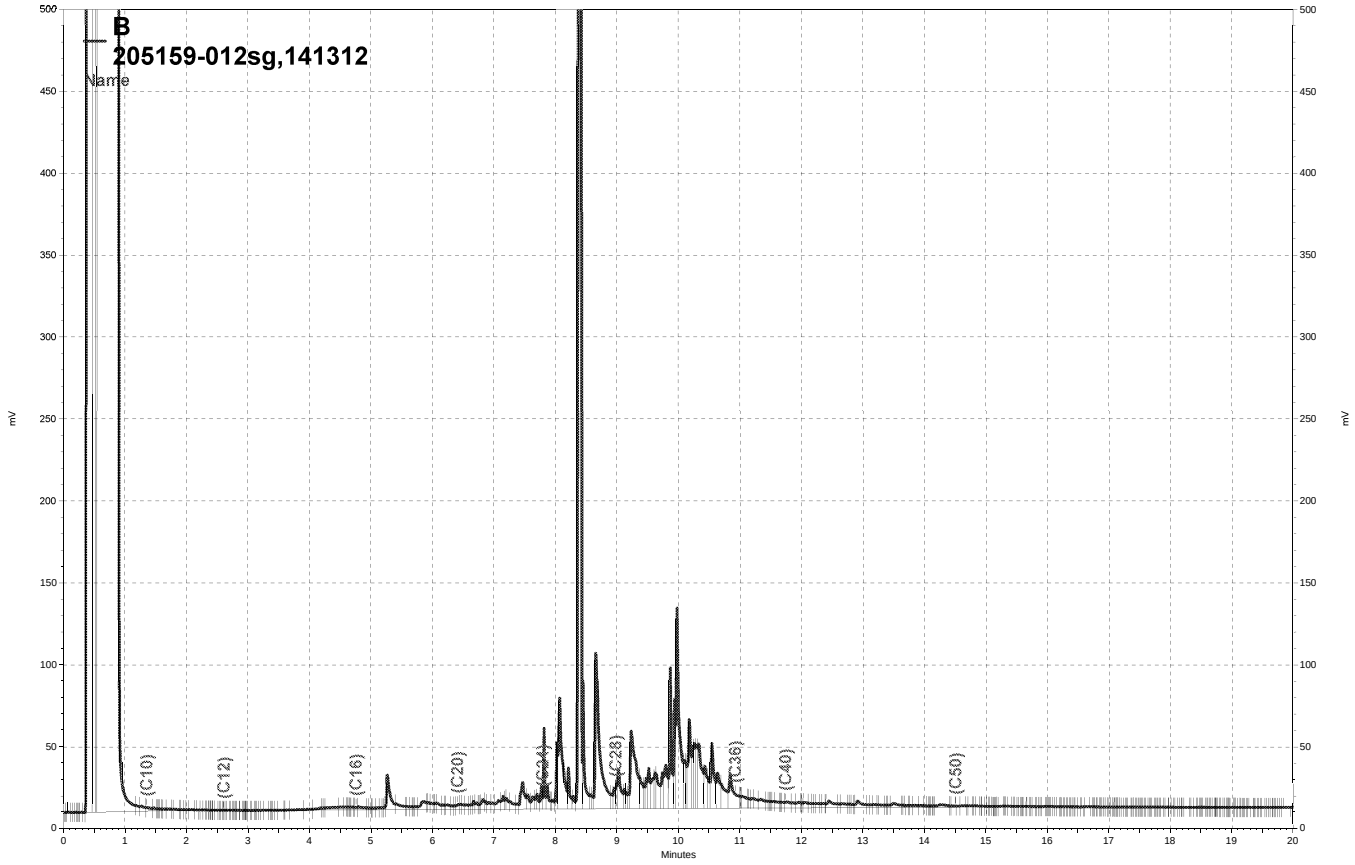

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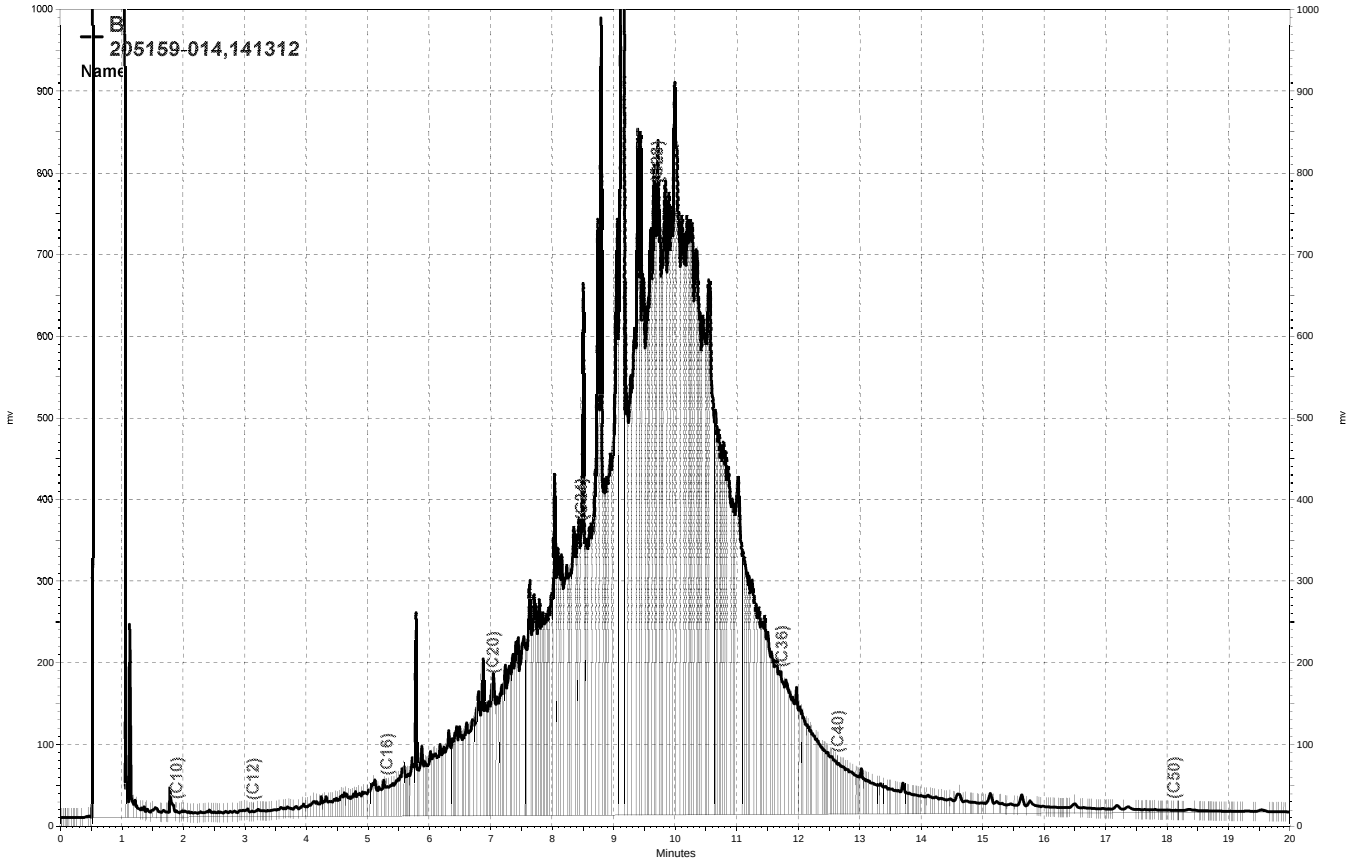

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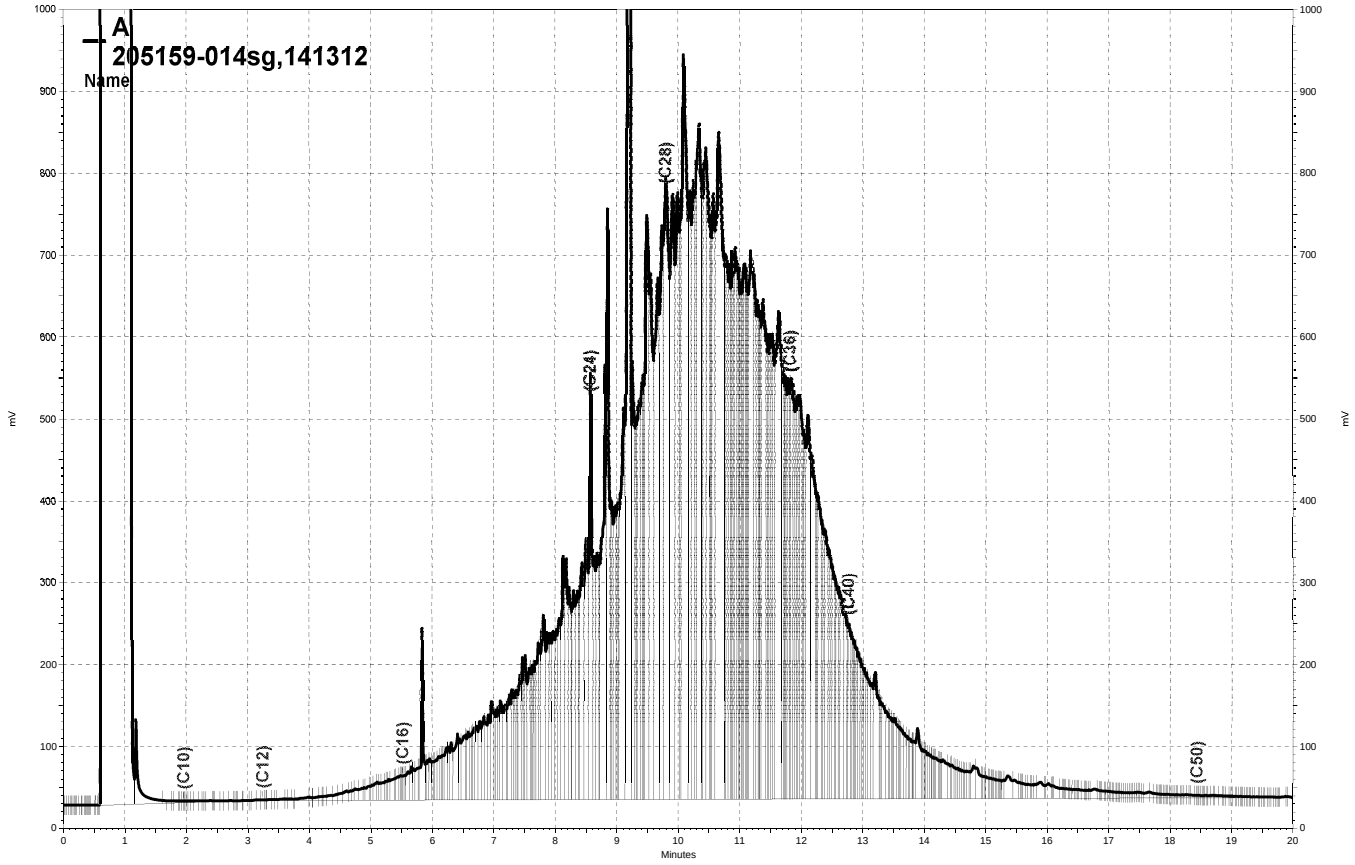

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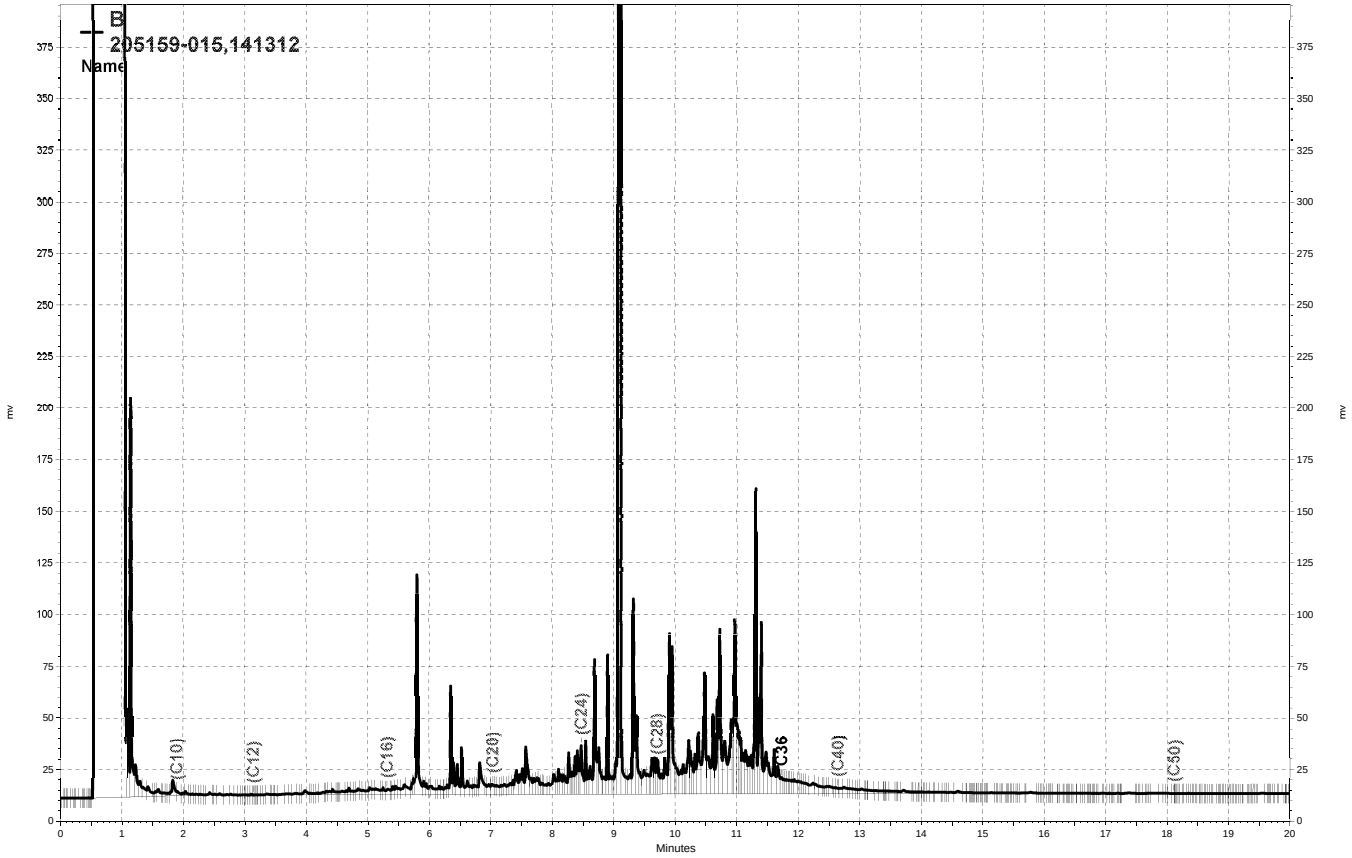

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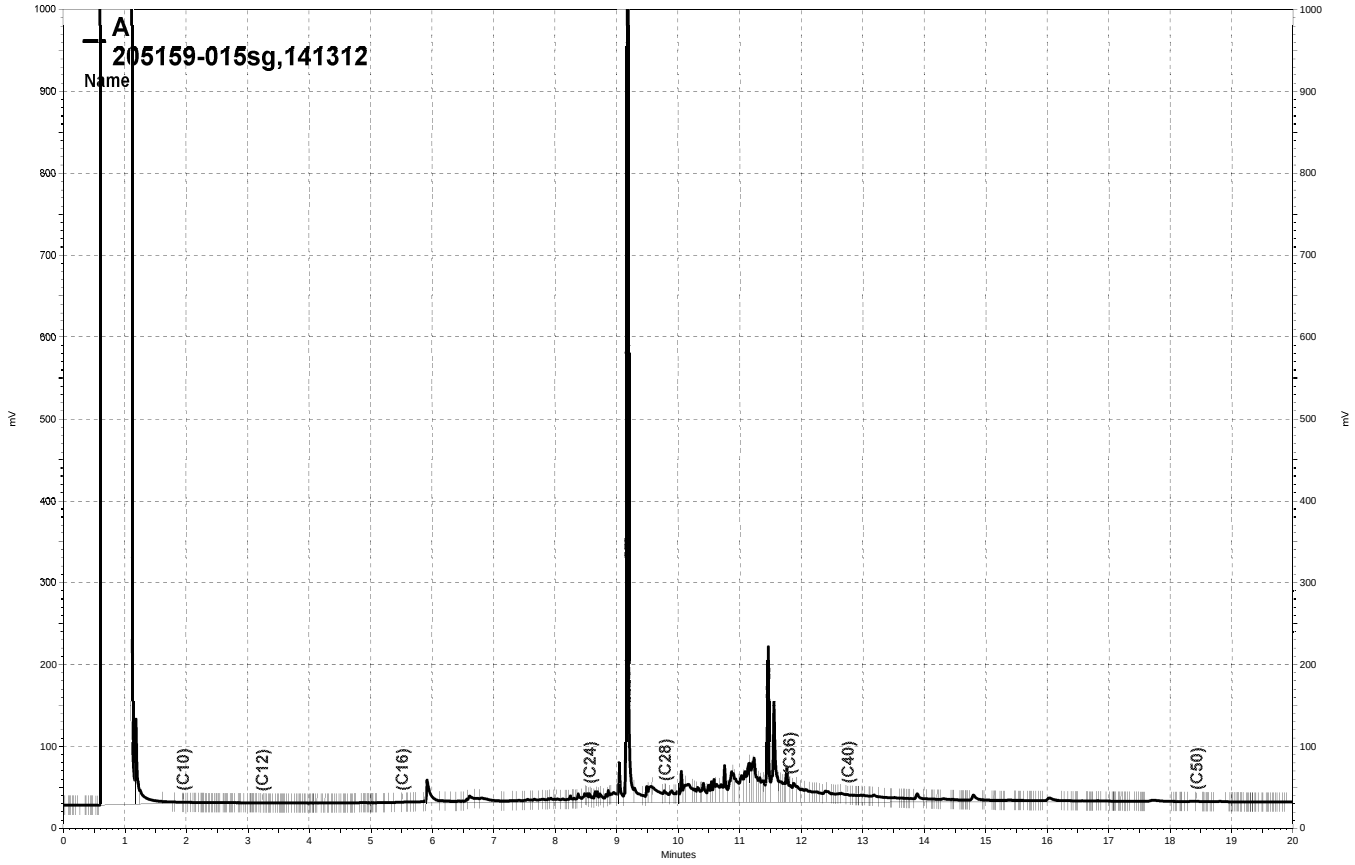

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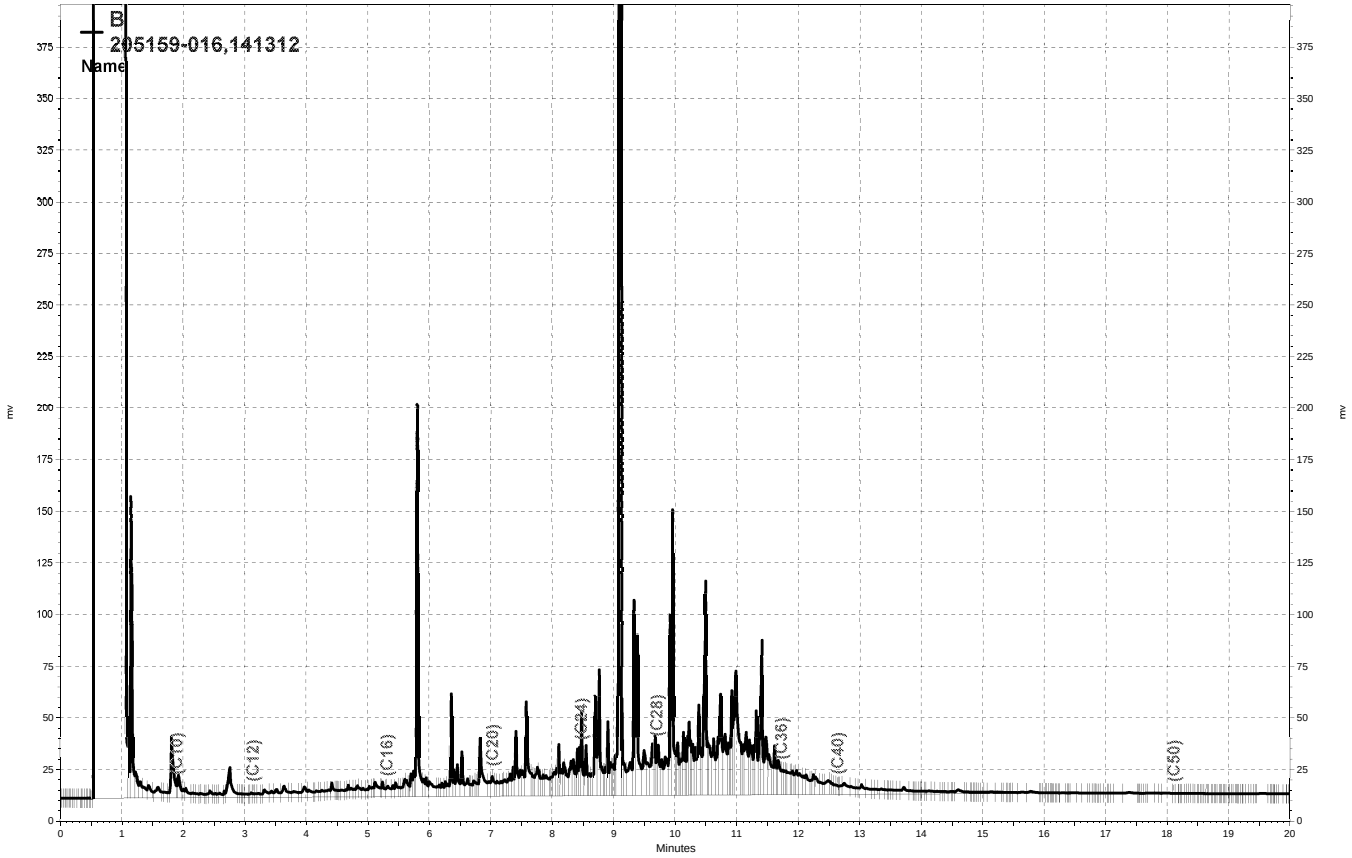

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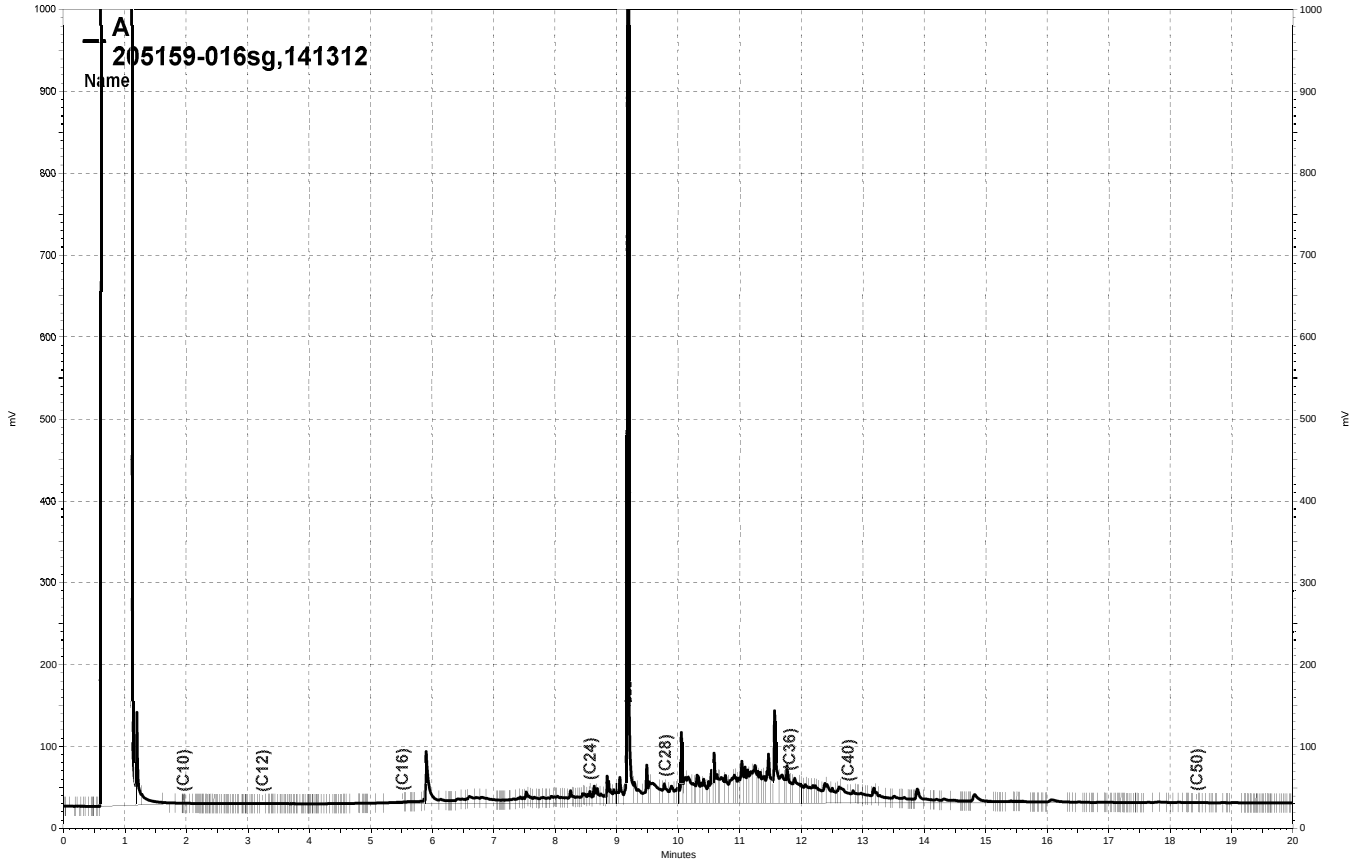

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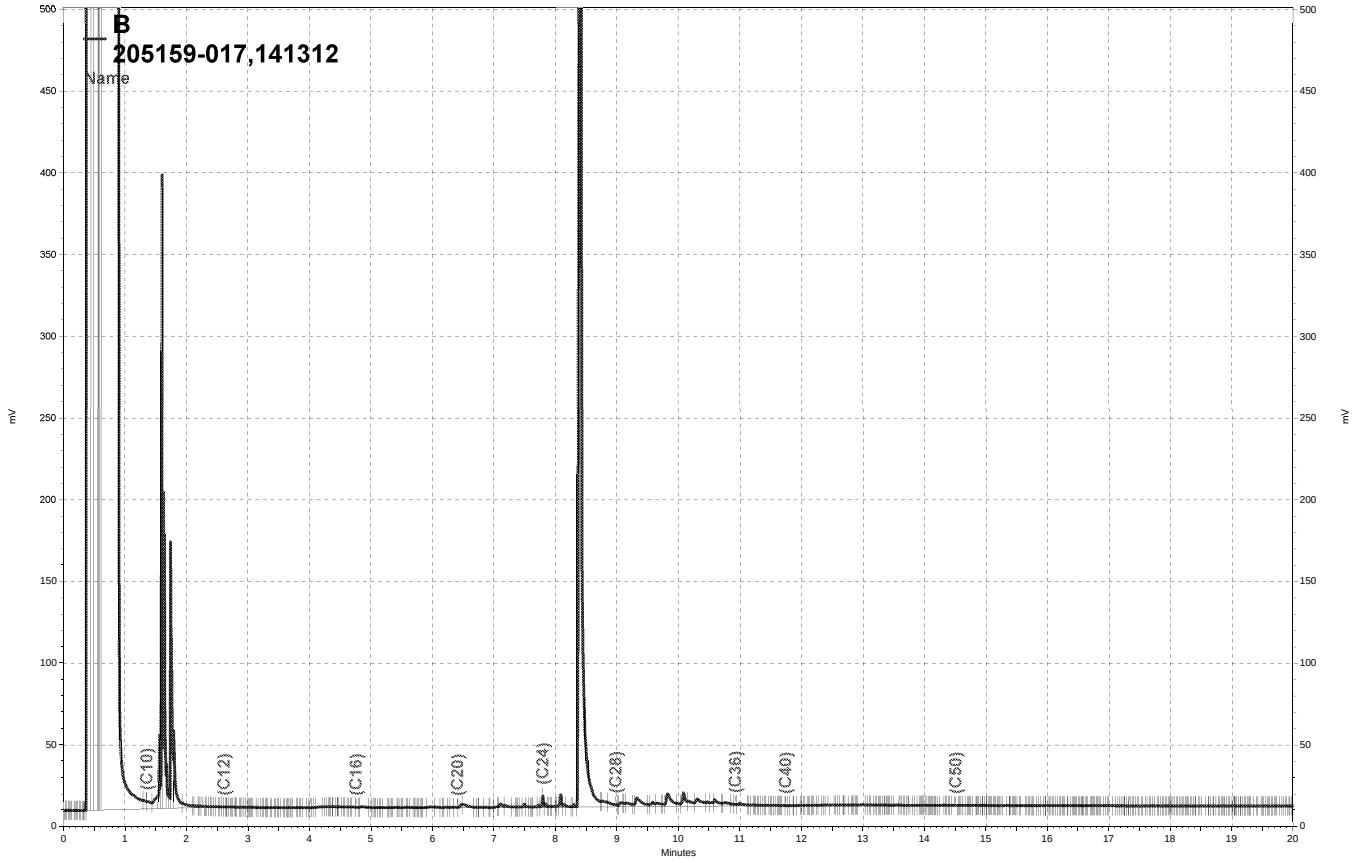

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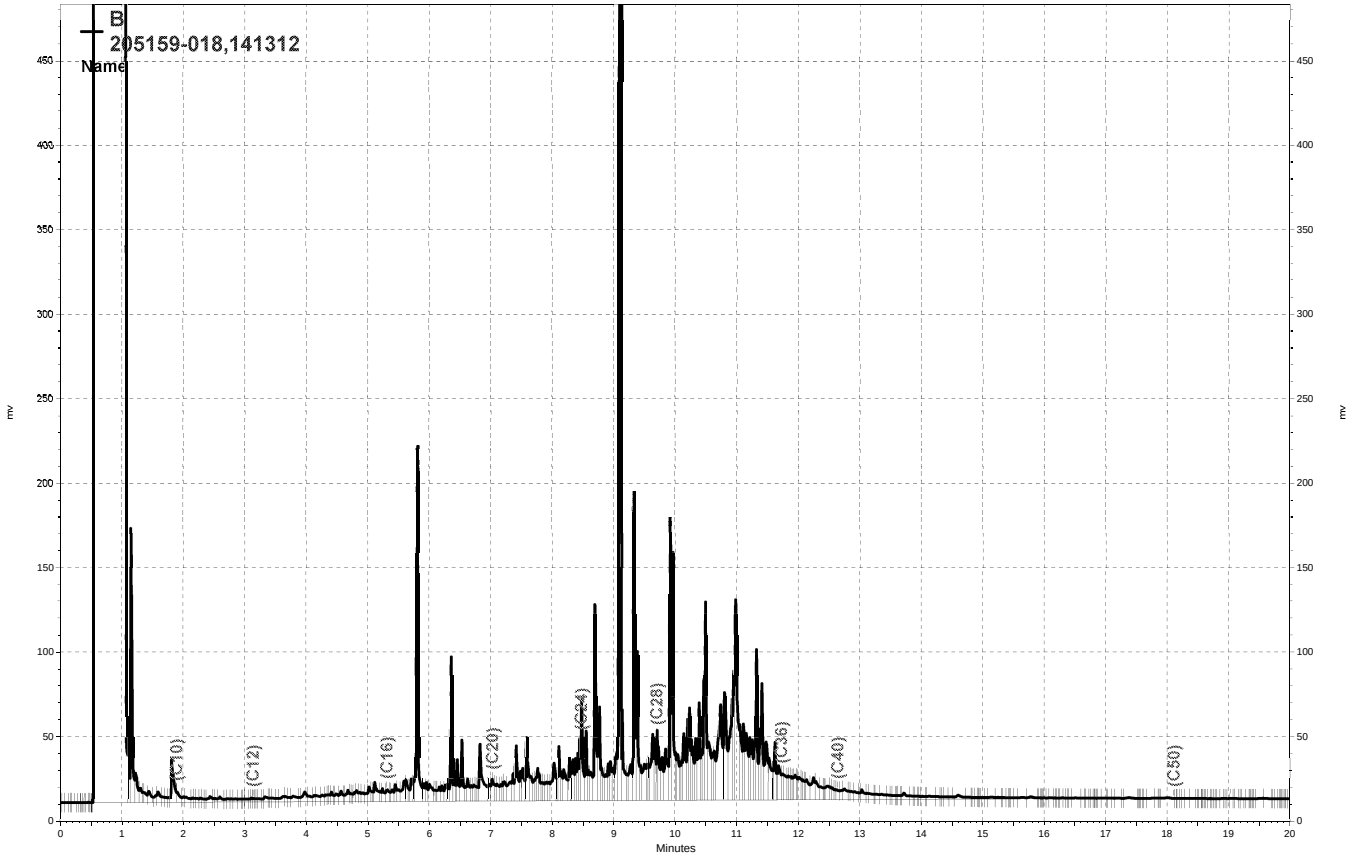

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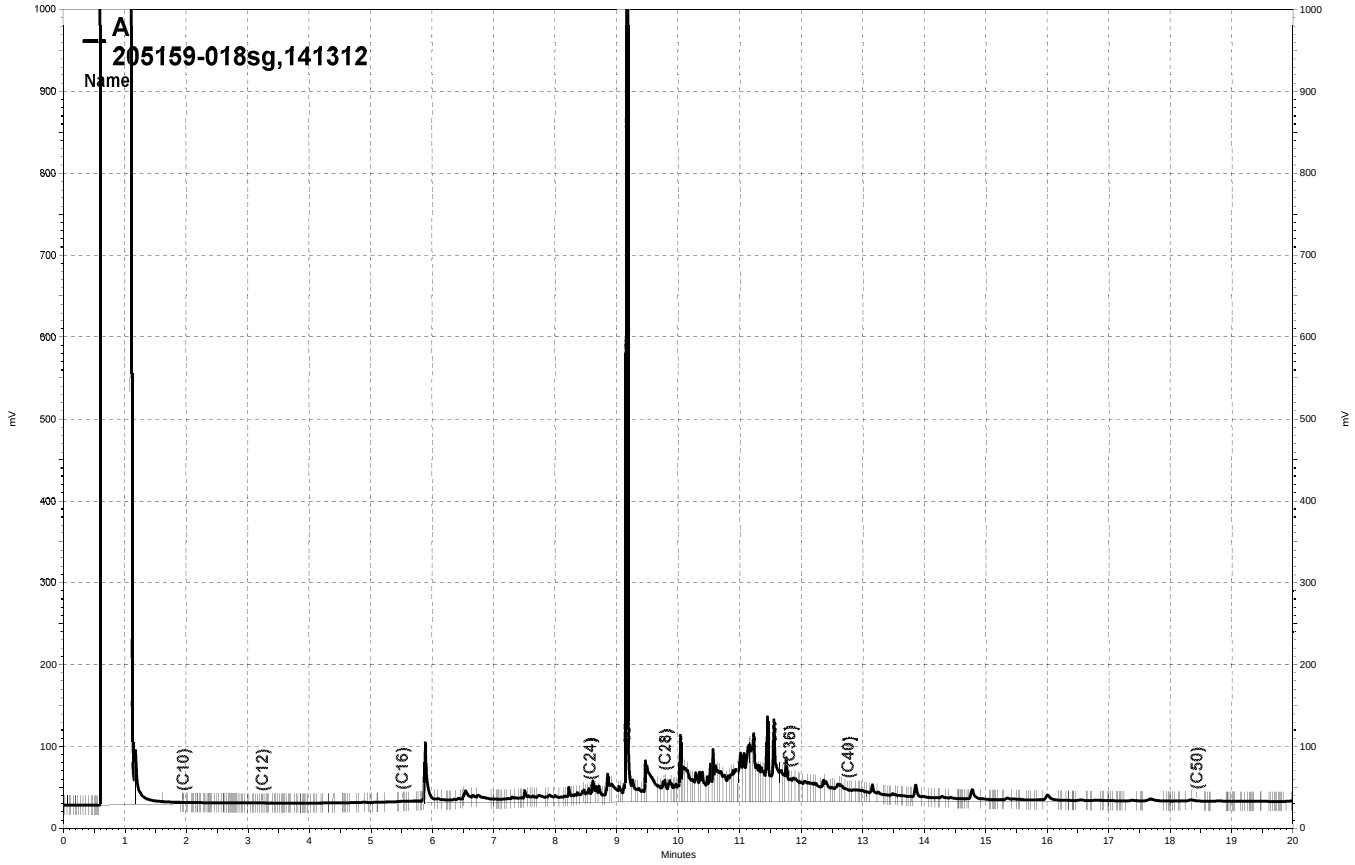

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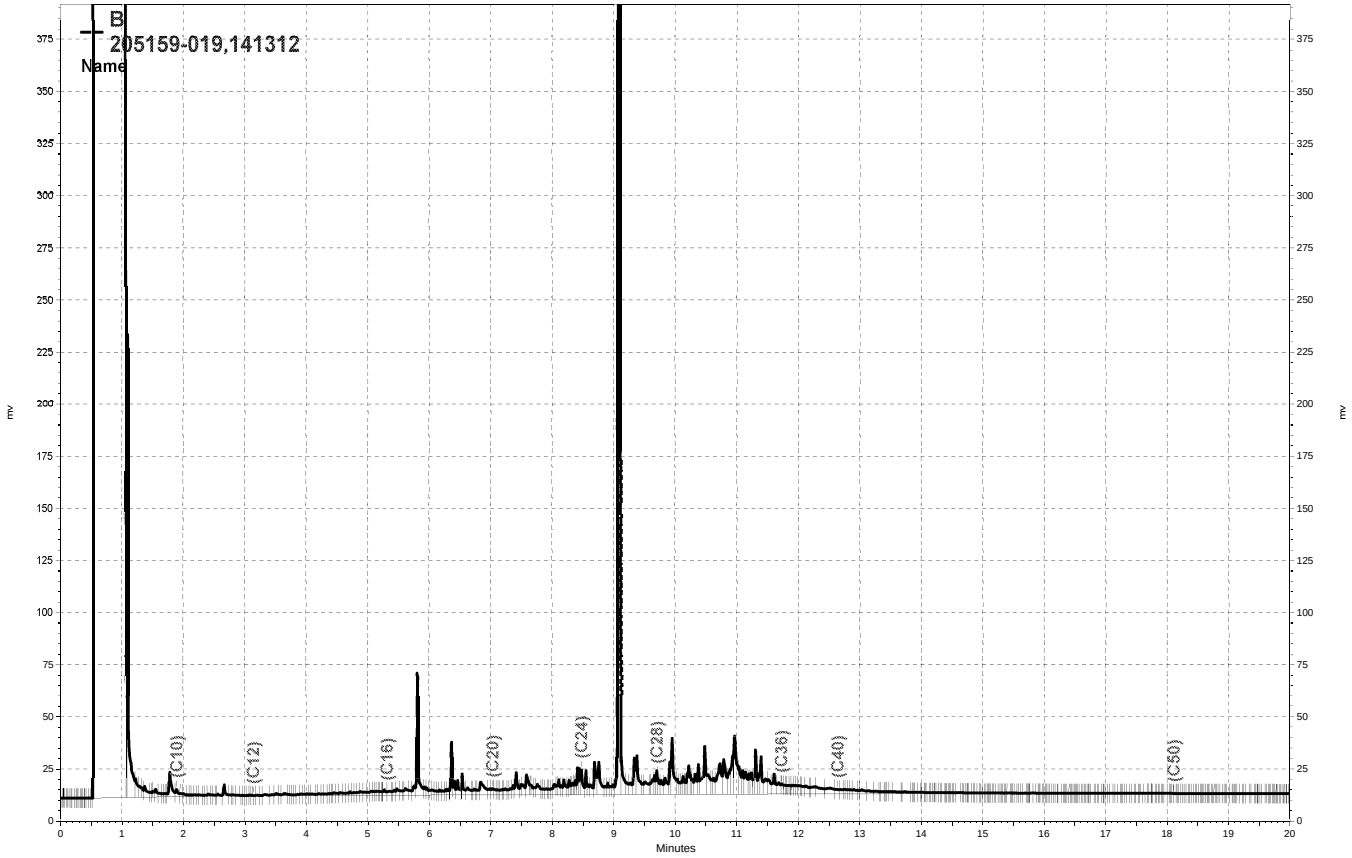

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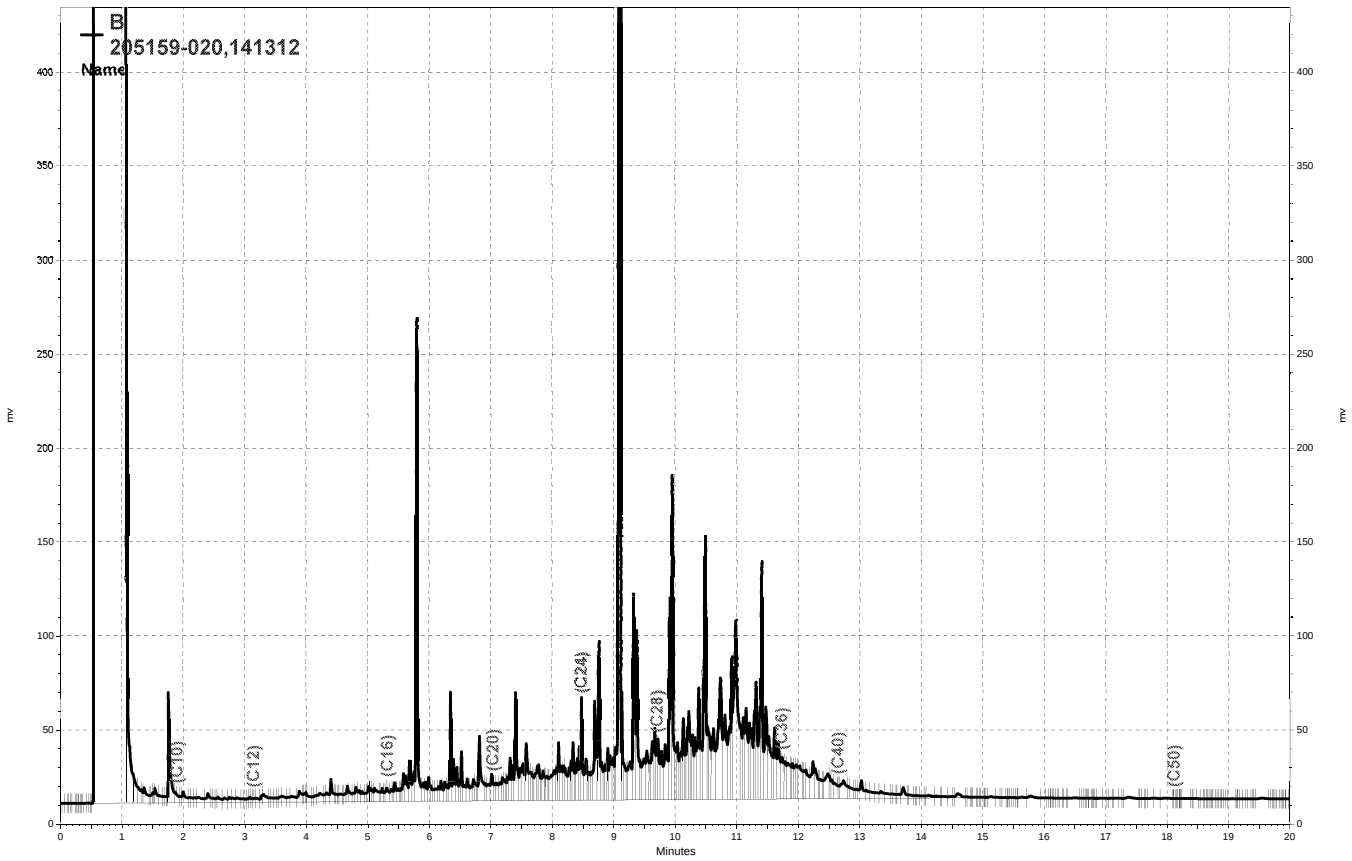

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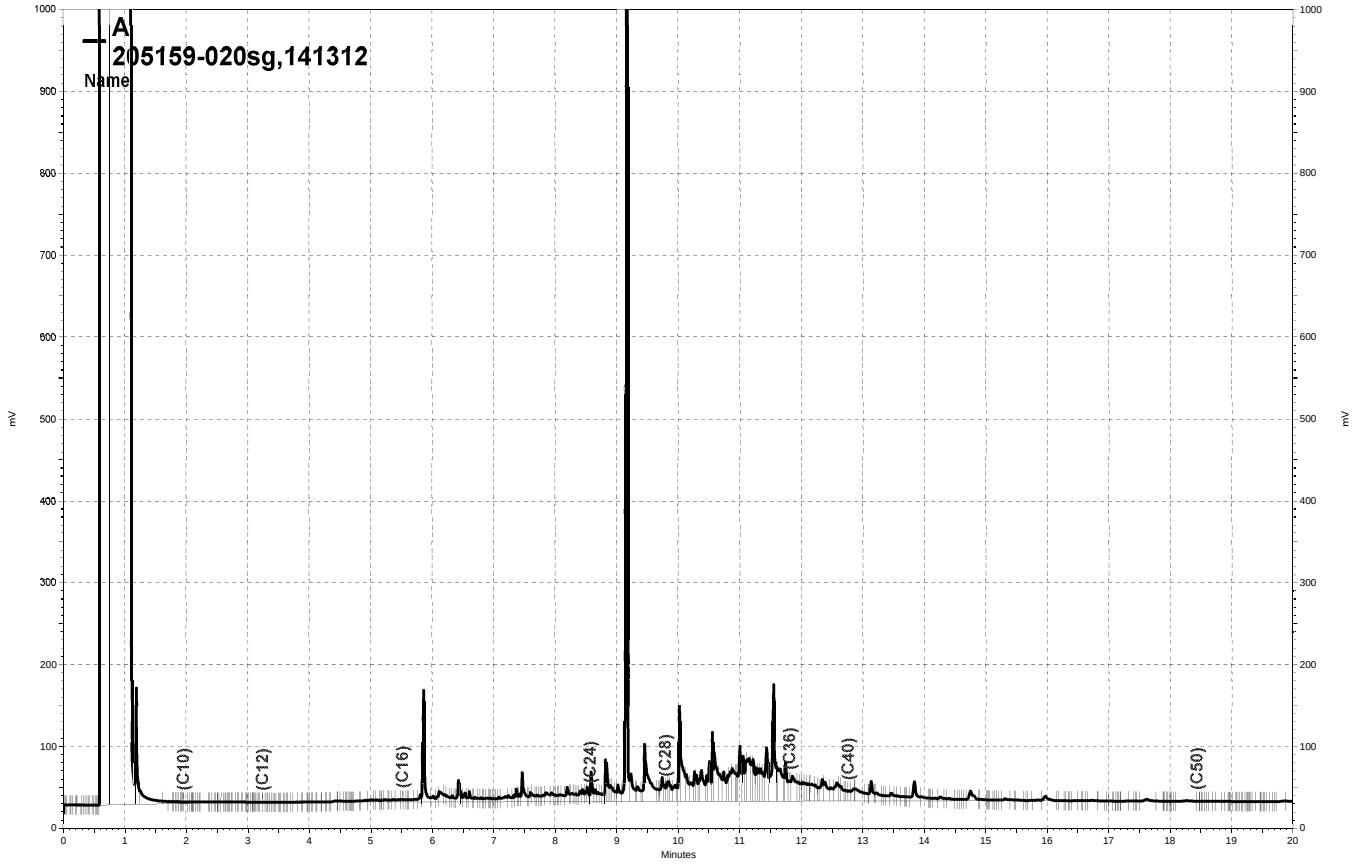

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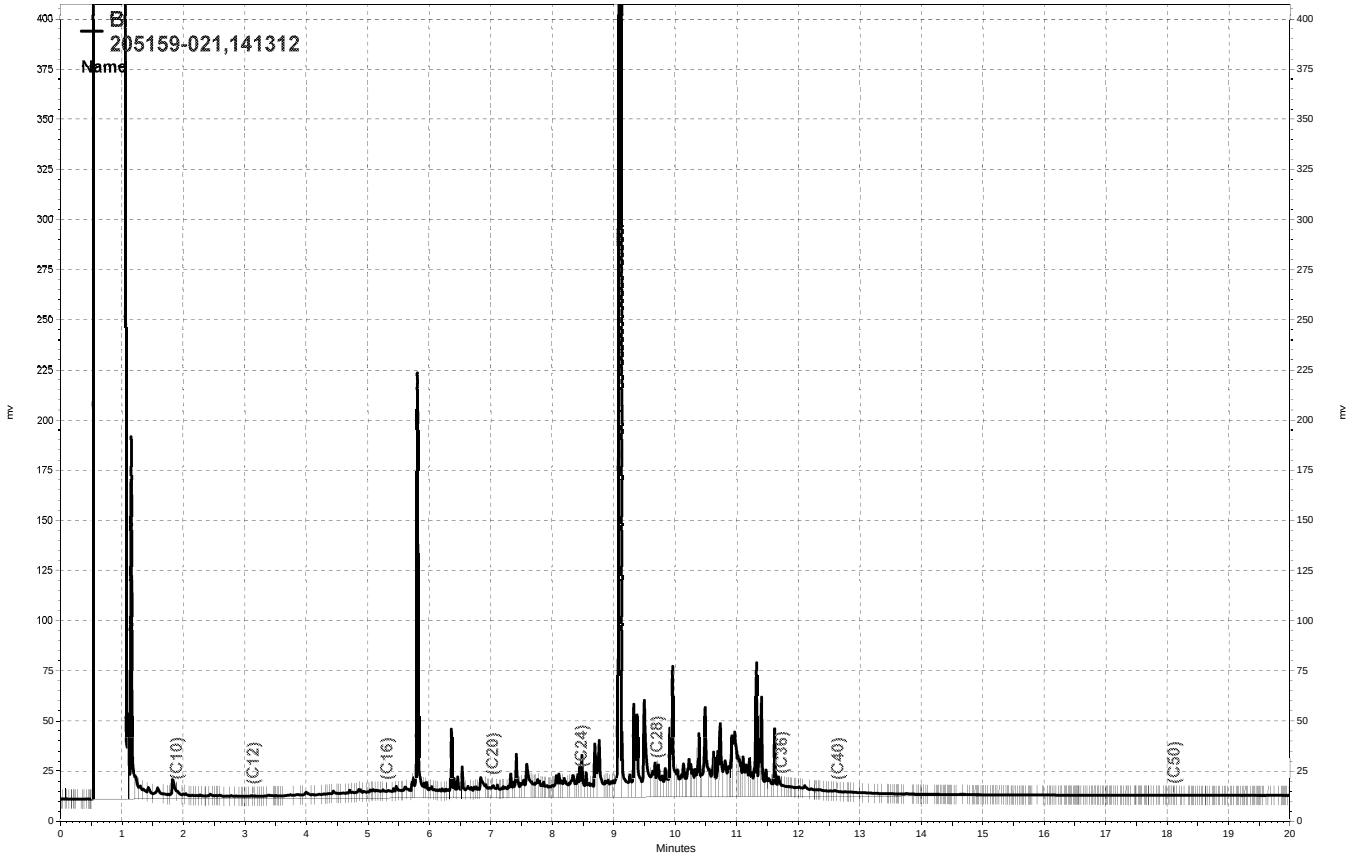

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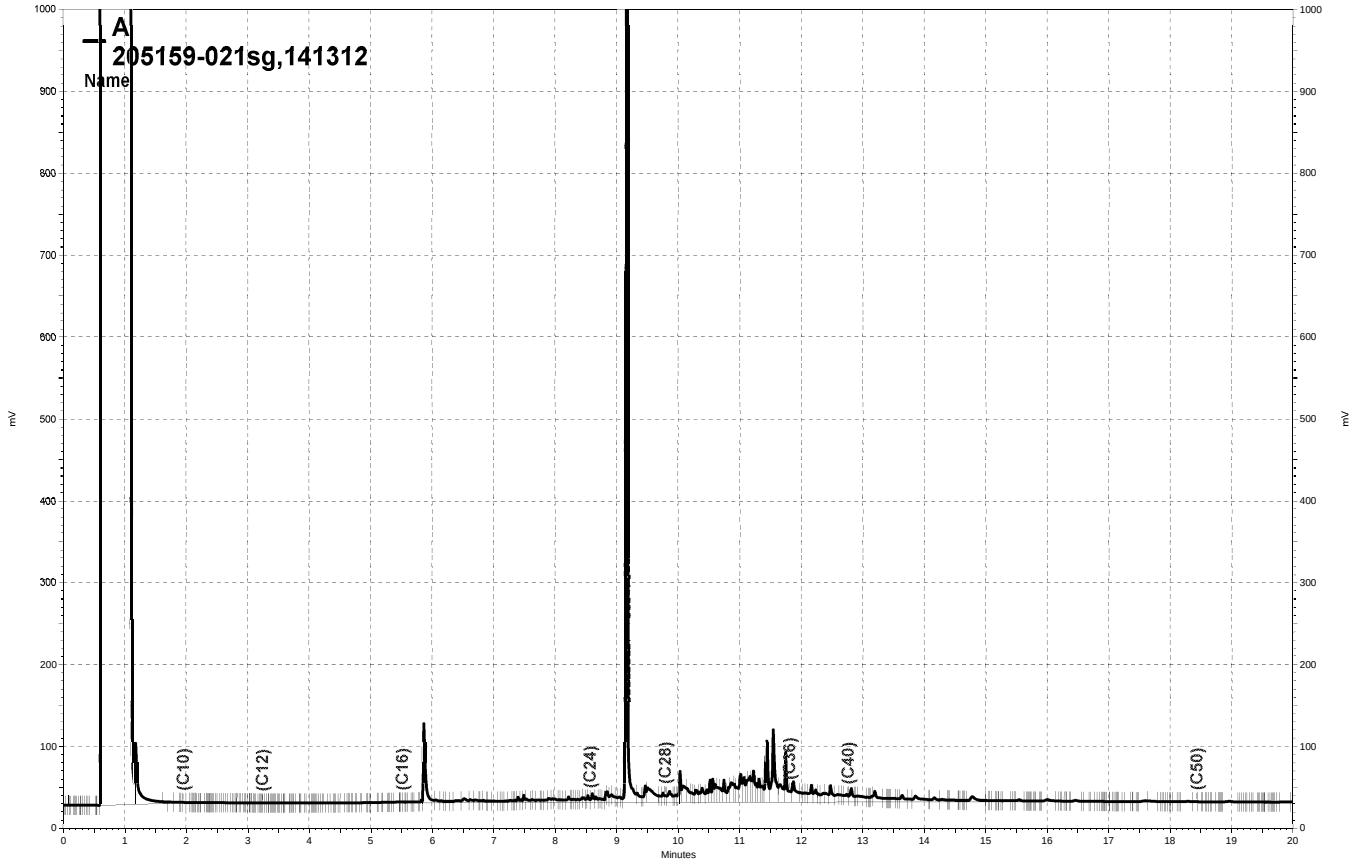

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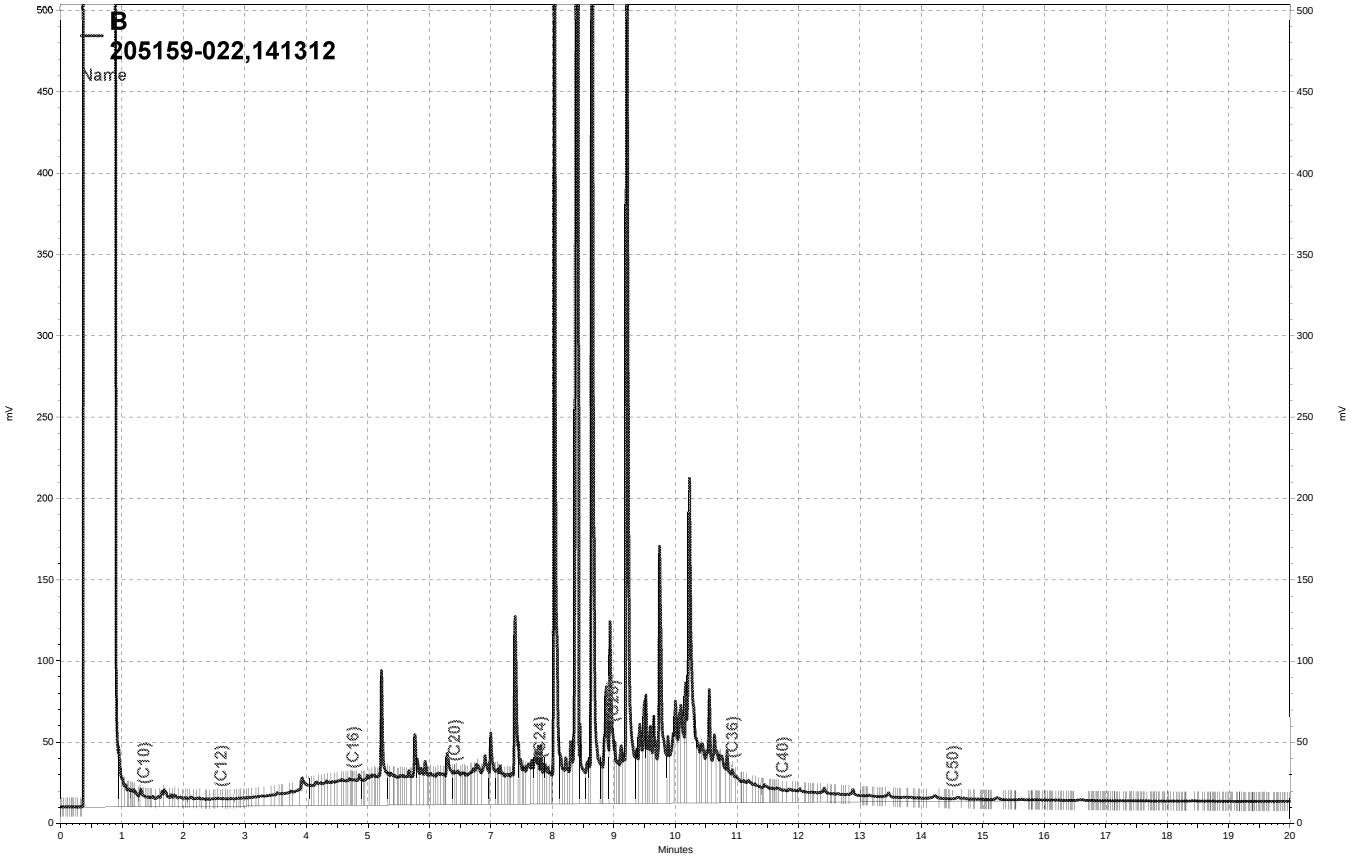

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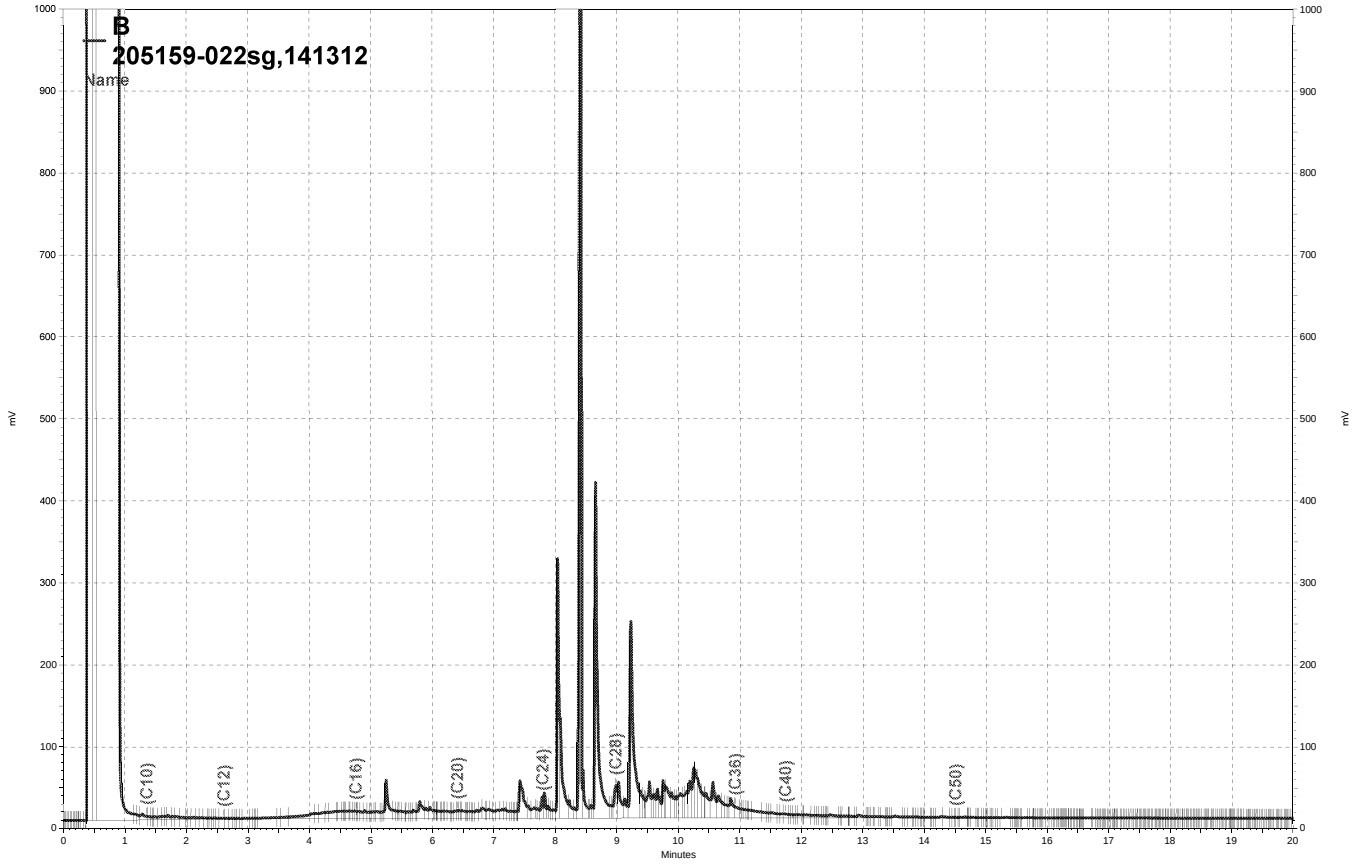

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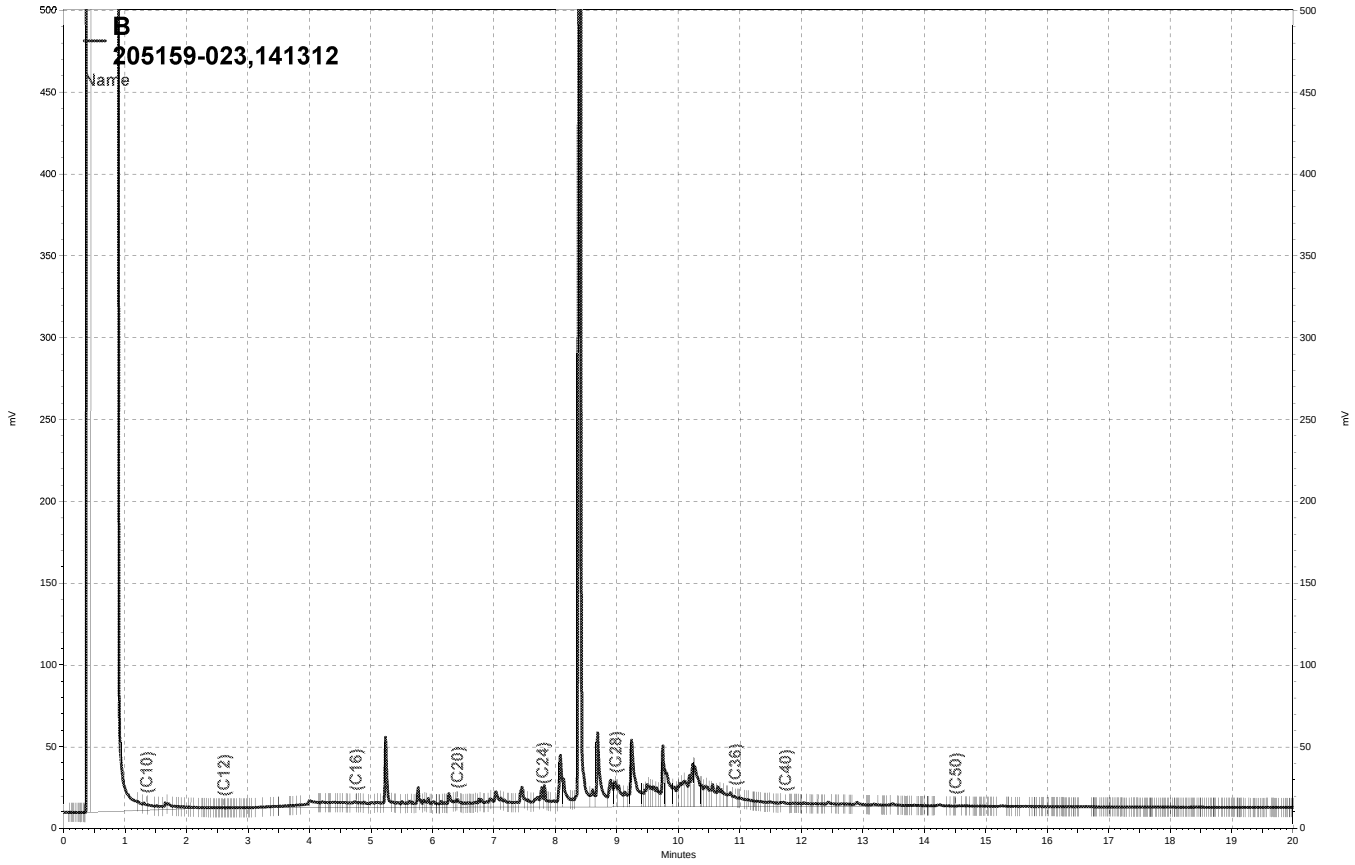

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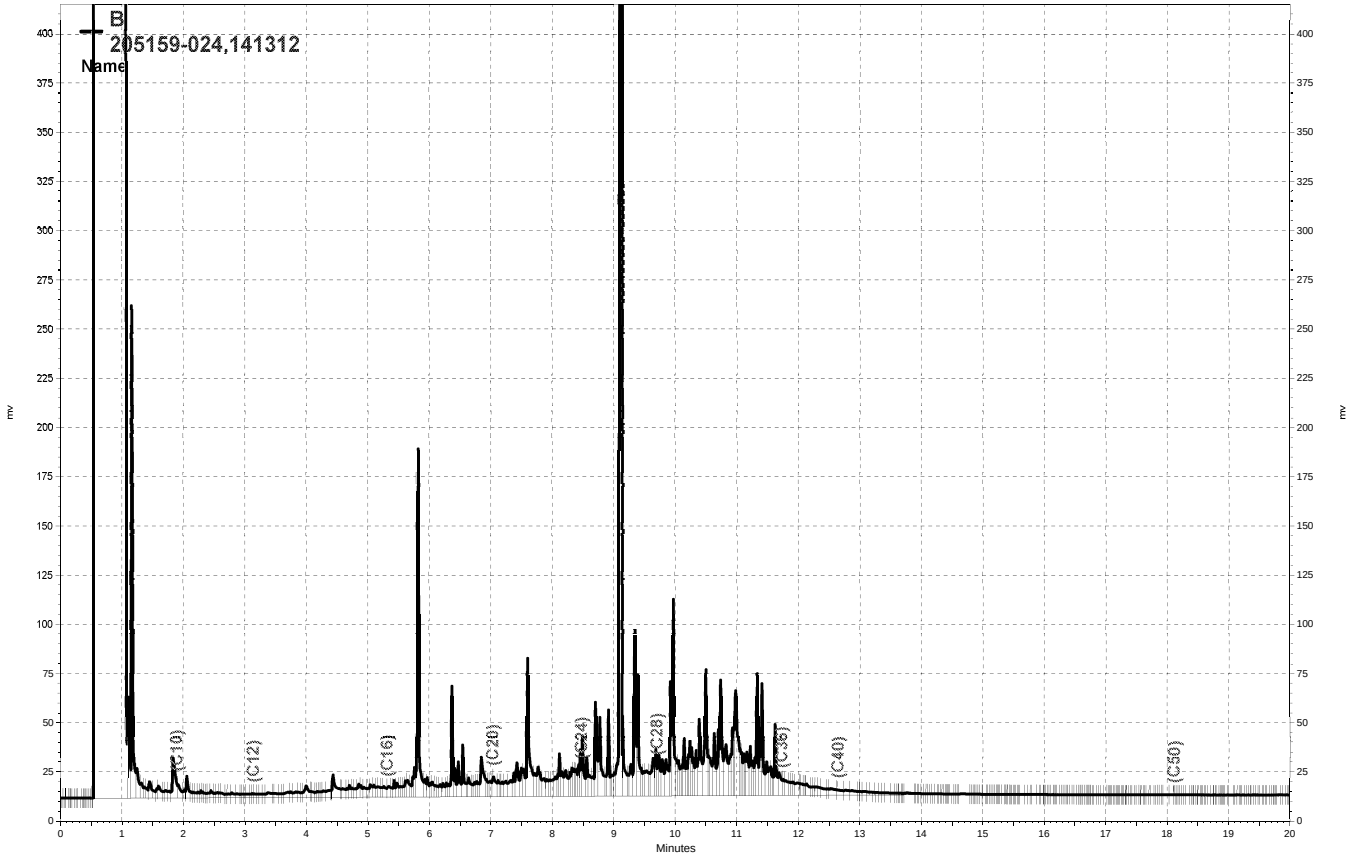

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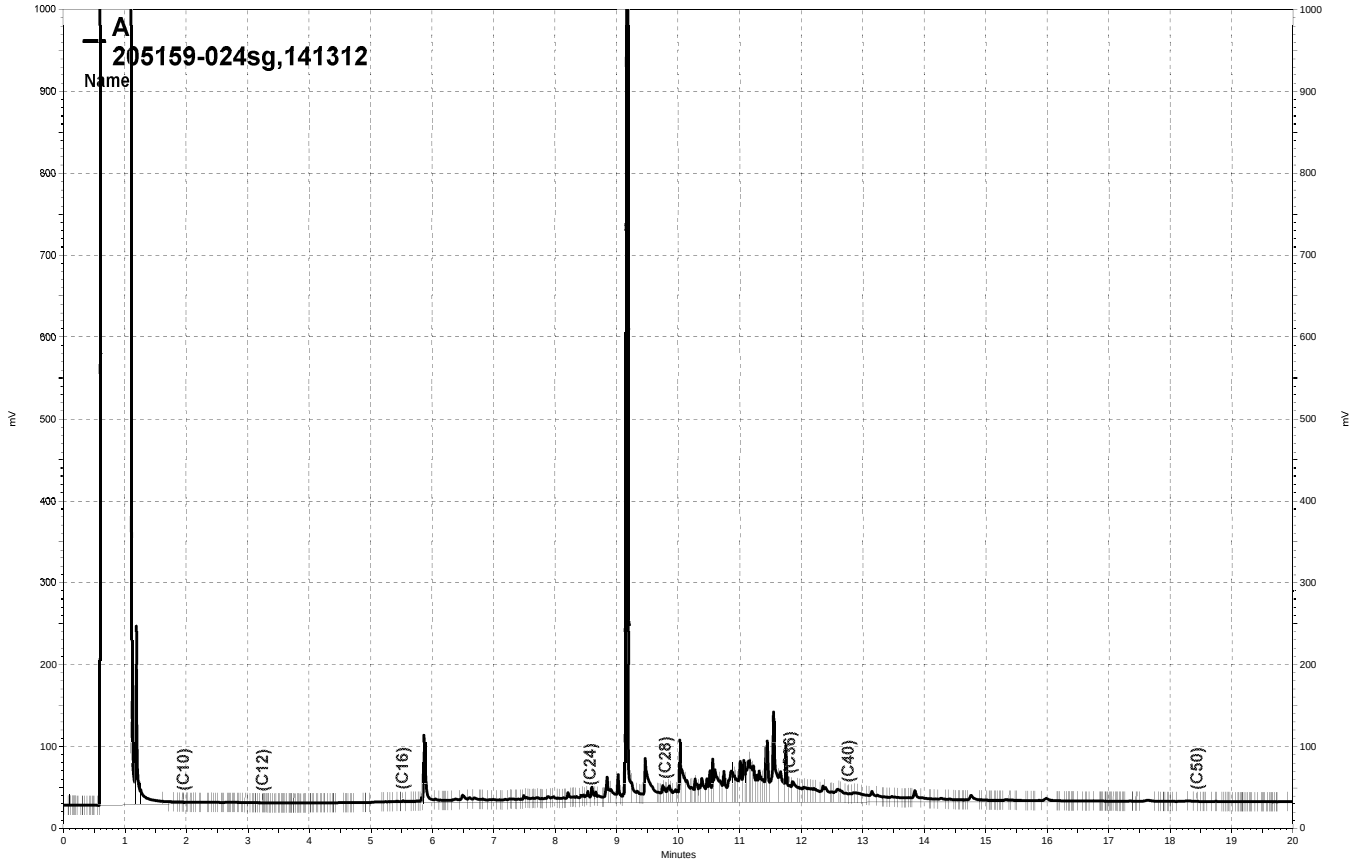

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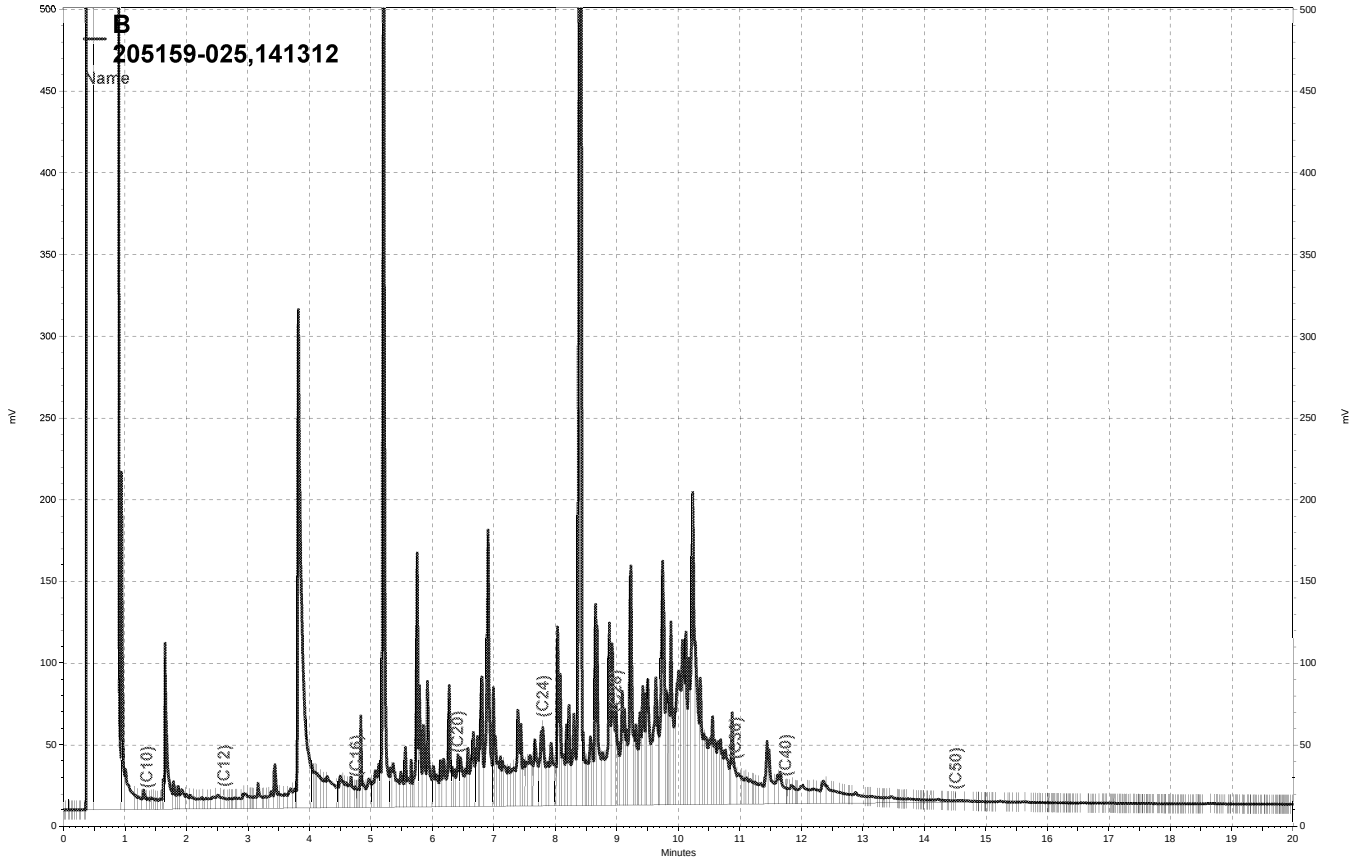

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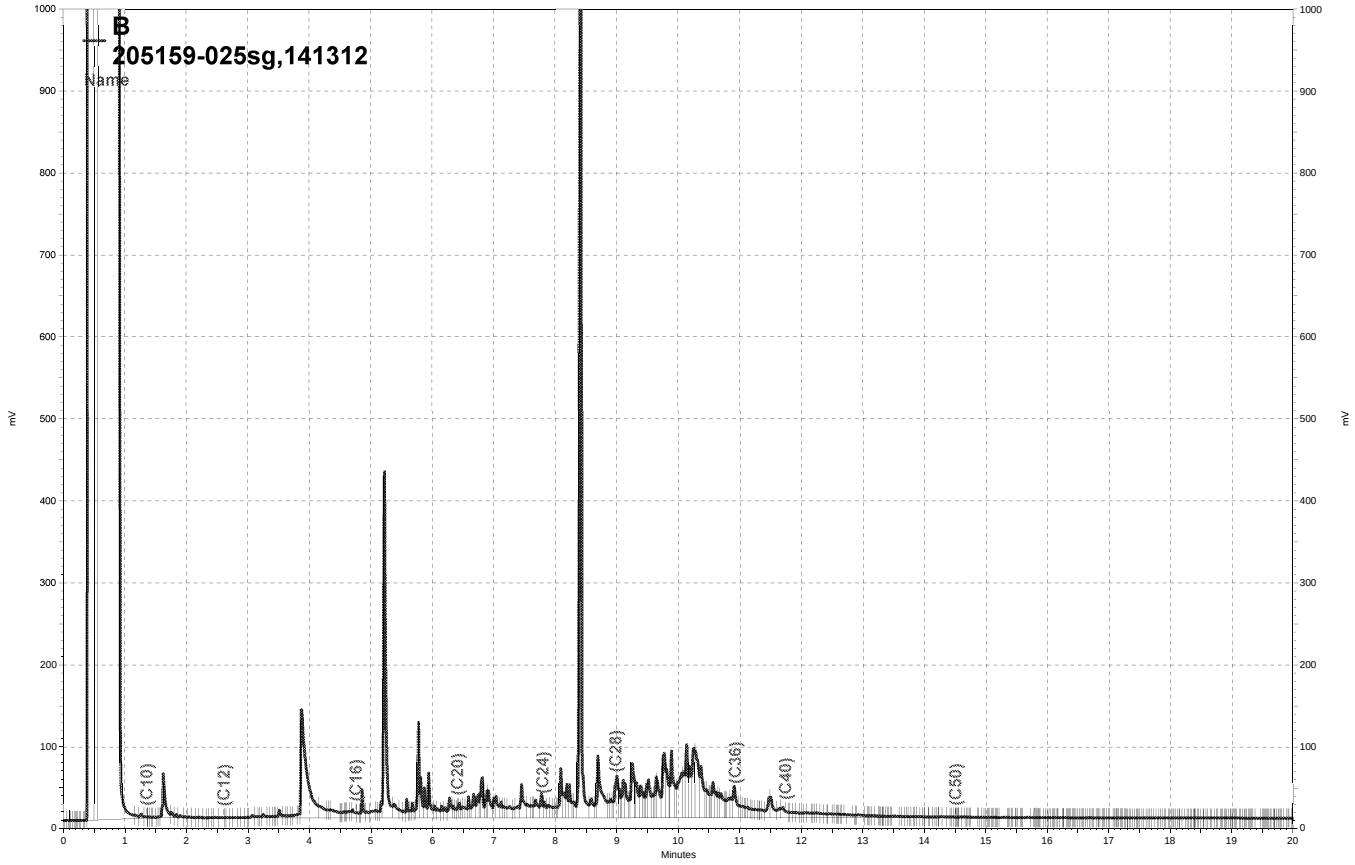

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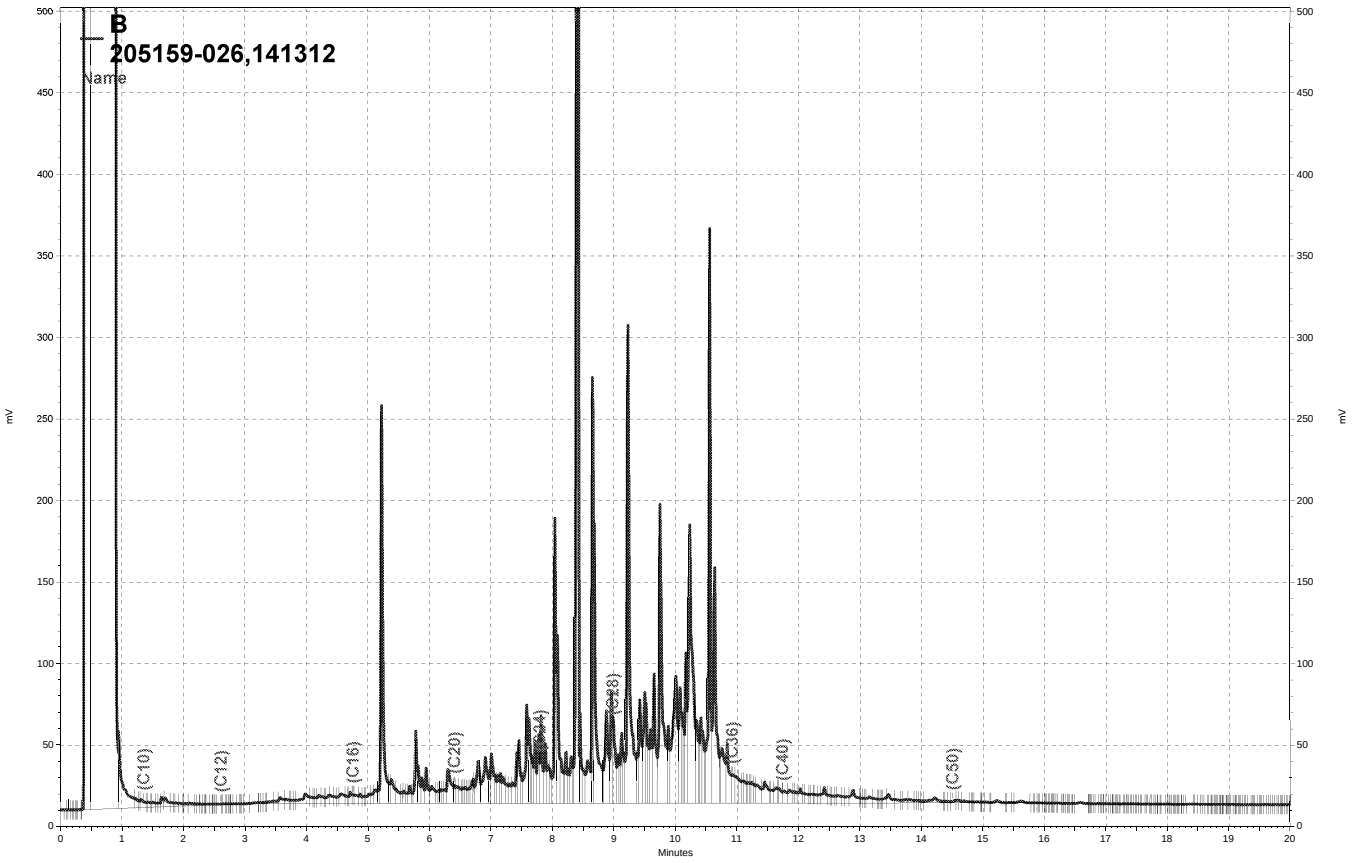

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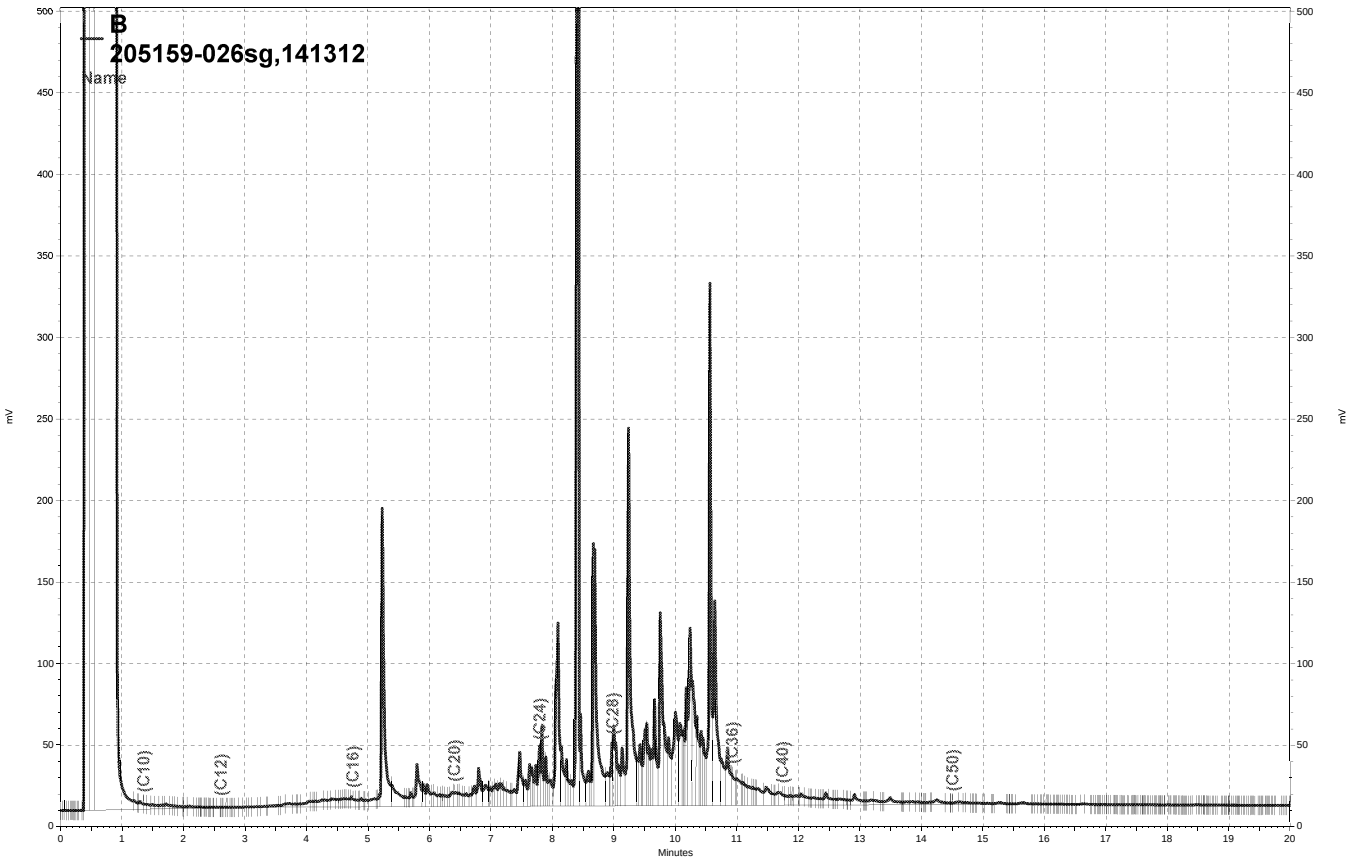

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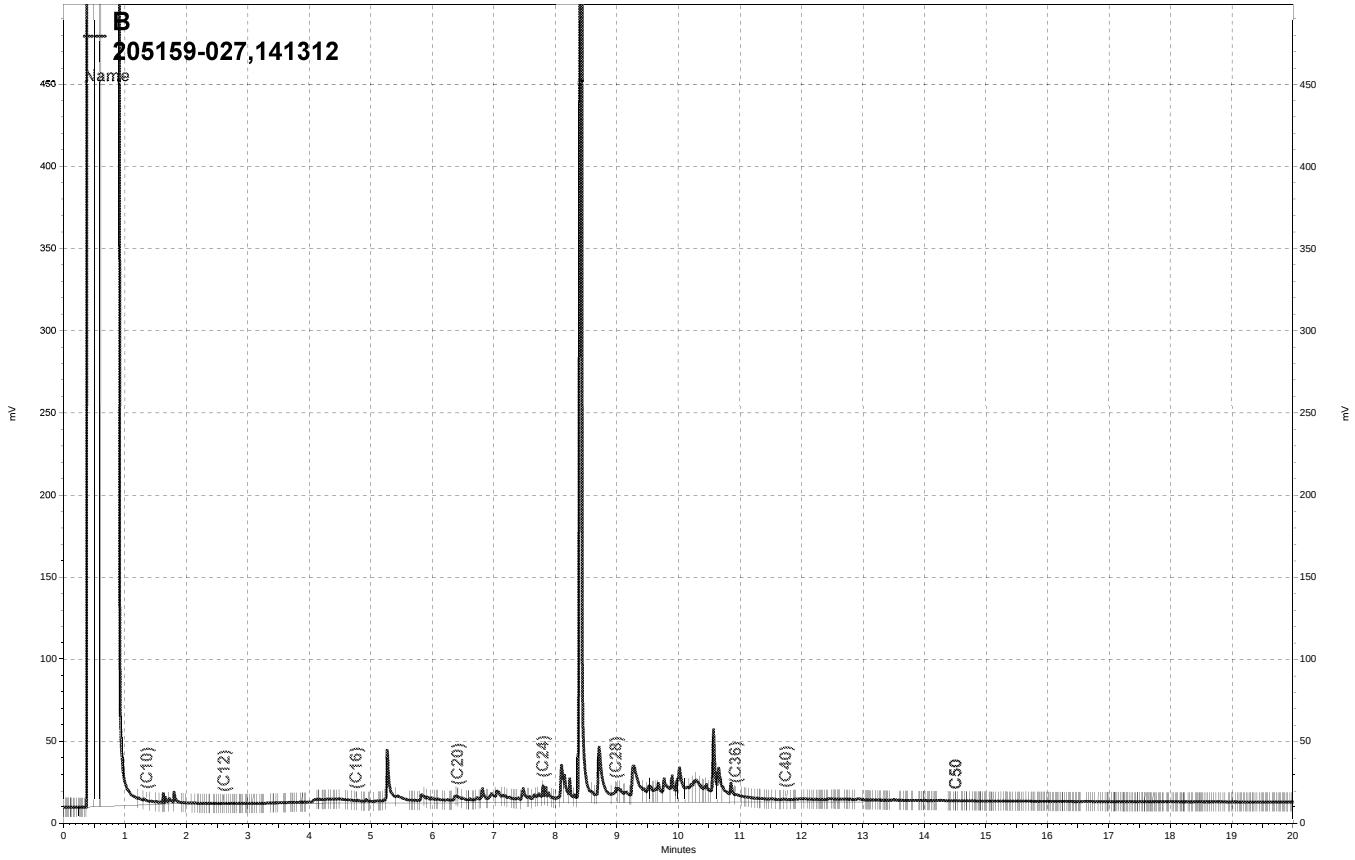

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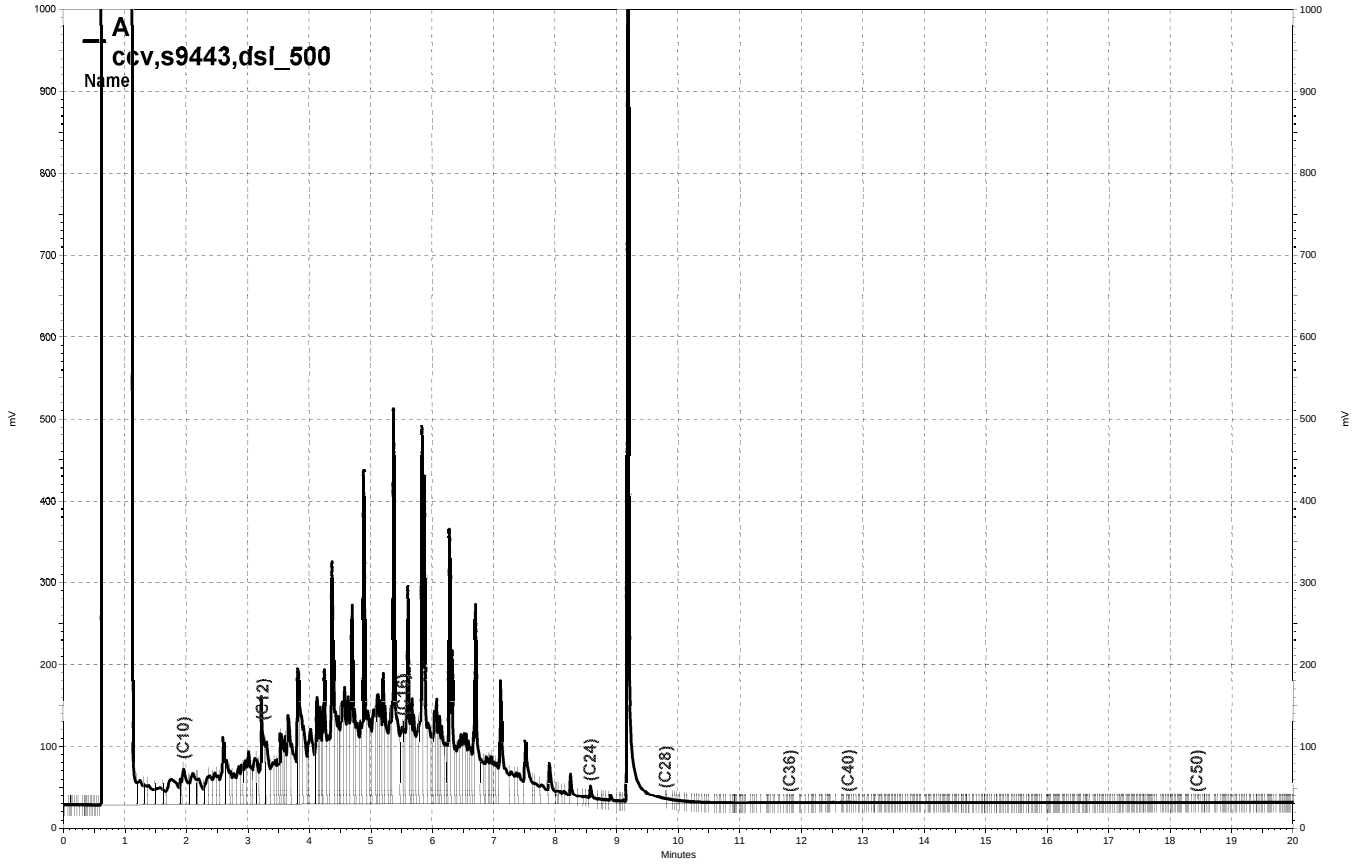

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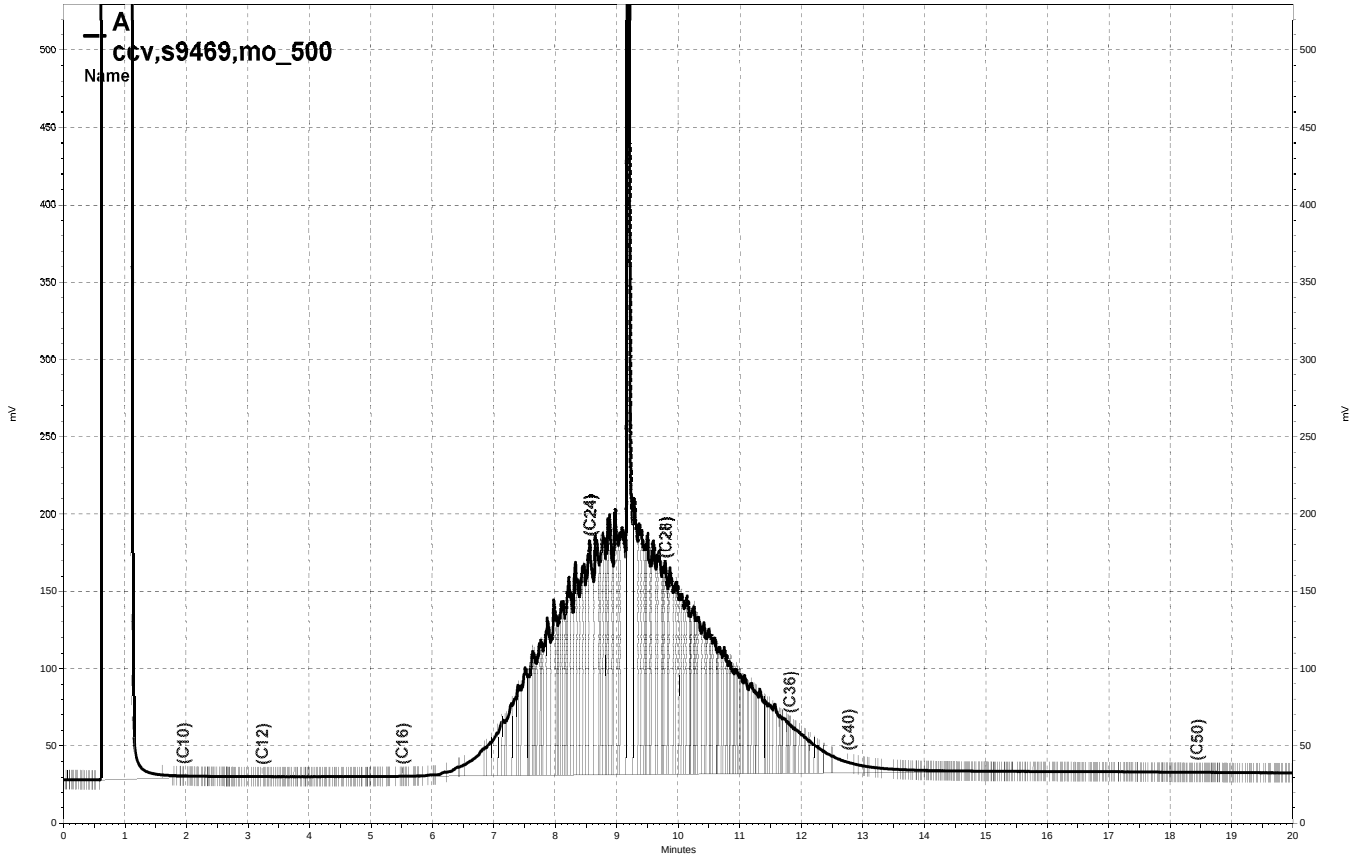

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Burns & McDonnell

Request for Chemical Analysis and Chain of Custody Record

205159 1-of-2

Burns & McDonnell Engineering 393 E. Grand Avenue, Suite J So. San Francisco, CA 94080 Phone: (650) 871-2926 Fax: (650) 871-2653 Attention: Katherine Spencer / Fabrizio Bittner	Laboratory: Curtis & Tompkins Address: 2323 5th Street City/State/Zip: Berkeley, CA Telephone: (510) 486-0900

Document Control No.:

Lab. Reference No. or Episode No.: 8-408 – 8.5.08

Project Number: 48791

Client Name: XRC.

Sample Number			Sample Event		Sample Depth (in feet)		Sample Collected		Matrix			Number of Containers	Analysis: TPHd/mo 8015m *	TPHg 8015m	BTEX 8021B	MTBE 8021B •	Remarks
Group or SMWU Name	Sample Point	Sample Designator	Round	Year	From	To	Date	Time	Liquid	Solid	Gas						
1	BM-10	1'			5	5.6	8.4	~~0945~~ 1040		X		1	X	X	X	X	* silica gel
2	BM-10	2'			24	24.6	8.4	1010		X		1	X	X	X	X	clean-up if detect
3	BM-11	1'			2.5	3.0	8.4	1424		X		1	X	X	X	X	
4	BM-11	2'			11	11.6	8.4	1515		X		1	X	X	X	X	• if detect confirm
5	BM-11	3'			20.0	20.6	8.4	1524		X		1	X	X	X	X	with 8260 B.
6	BM-12	1'			3	3.6	8.4	~~1617~~		X		1	X	X	X	X	
7	BM-13	1'			3.6	4	8.5	0910		X		1	X	X	X	X	
8	BM-13	2'			21	21.6	8.5	0950		X		1	X	X	X	X	
9	BM-14	1'			3	3.6	8-5	1033		X		1	X	X	X	X	
10	BM-14	2'			17.6	18	8.5	1000		X		1	X	X	X	X	
11	BM-14	3'			23.4	24	8.5	1105		X		1	X	X	X	X	
12	BM-12	2'			9.6	10	10	1225		X		1	X	X	X	X	
13	BM-12	3'			19.6	20	8-5	1232		X		1	X	X	X	X	
14	BM-15	1'			3.6	4	8.5	1345		X		1	X	X	X	X	
15	BM-15	2'			11	11.5	8.5	1405		X		7	X	X	X	X	

Sampler (signature): Emma Bank

Sampler (signature):

Special Instructions: Submit EDF geotracker Global ID #T0600102107

Relinquished By (signature): 1	8/7/08 1429	Received By (signature):	Date/Time 8/7/08 1429
Relinquished By (signature): 2.	Date/Time	Received By (signature):	Date/Time

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Laboratory Comments:

Burns & McDonnell

Request for Chemical Analysis and Chain of Custody Record 205159 2-of-2

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Phone: (650) 871-2926 Fax: (650) 871-2653
Attention: Katherine Spencer
Fabrizio Bittner

Laboratory: Curtis & Tompkins
Address: 2323 5th Street
City/State/Zip: Berkeley, CA
Telephone: (510) 486-0900

Document Control No.:
Lab. Reference No. or Episode No.: 8.5.08 → 8.6.08

Project Number: 48791
Client Name: YRC - OAK

Sample Type — Matrix

	Sample Number: Group or SMWU Name	Sample Number: Sample Point	Sample Number: Sample Designator	Sample Event: Round	Sample Event: Year	Sample Depth (in feet): From	Sample Depth (in feet): To	Sample Collected: Date	Sample Collected: Time	Matrix: Liquid	Matrix: Solid	Matrix: Gas	Number of Containers	Analysis: TPHd, mo 8015M *	Analysis: TPHg 8015M	Analysis: BTEX 8021B	Analysis: MTBE 8021B •	Remarks
16		BM-16	1 ⅓	aug	2008	19	19.6	8-5	1620		X		1	X	X	X	X	* if detect re-run
17		BM-16	2 ⅓	aug	2008	29	29.6	8-5	1630		X		1	X	X	X	X	with Silica gel
18		BM-17	1 ⅓	aug	2008	10.5	11	8.6	0805		X		1	X	X	X	X	cleanup
19		Dup-[illegible]	1 ⅓	aug	2008	10	10.5	8.6	—		X		1	X	X	X	X	
20		BM-17	2 ⅓	aug	2008	23.2	23.8	8.6	0820		X		1	X	X	X	X	• if detect confirm
21		BM-17	3 ⅓	aug	2008	25	25.6	8.6	0825		X		1	X	X	X	X	with 8260B
22		BM-18	1 ⅓	aug	2008	2.6	3	8.6	0930		X		1	X	X	X	X	
23		BM-18	2 ⅓	aug	2008	8.6	9	8.6	1007		X		1	X	X	X	X	
24		BM-18	3 ⅓	aug	2008	826	13	8.6	1020		X		1	X	X	X	X	
25		BM-19	1 ⅓	aug	2008	7.8	7.10	8.6	1120		X		1	X	X	X	X	
26		BM-19	2 ⅓	aug	2008	11	11.6	8.6	1125		X		1	X	X	X	X	
27		BM-19	3 ⅓	aug	2008	19	19.6	8.6	1135		X		1	X	X	X	X	
28		BM-19	4 ⅓	aug	2008	22	22.6	8.6	1140		X		1	X	X	X	X	

Sampler (signature): Jenn Barker

Sampler (signature):

Special Instructions: Please submit EDF geotracker global id T0600102107

Relinquished By (signature): 1. 8/7/08 1429 Date/Time

Received By (signature): Date/Time

Ice Present in Container: Yes X No

Temperature Upon Receipt:

Relinquished By (signature): 2. Date/Time

Received By (signature): Date/Time

Laboratory Comments:

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 205159 Date Received 8/7/08 Number of coolers 3
Client BURNS & MCDONNELL Project YRC

Date Opened 8/7/08 By (print) M. VILLANUEVA (sign) [signature]
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
   Shipping info _____
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.5, 6.0, 6.0

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ..... YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... (YES) NO
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... YES NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? ..... YES NO (N/A)
16. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____