YRC Freight
10990 Roe Avenue
Overland Park, KS 66211

February 28, 2014

To Whom it May Concern:
Attached is the "Request for Closure- Site Conceptual Model" for the former YRC Inc. (formerly known as Roadway Express) d.b.a. YRC Freight, property located at 1708 Wood Street in Oakland, CA 94607, Fuel Leak Case No. RO0000039. 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.

YRC Freight is a subsidiary or YRC Worldwide Inc., as Manager –Environmental Services and Properties of YRC Freight, I have been charged by YRC Worldwide Inc., to represent YRC Freight.

Sincerely,

Ruben D. Byerley
Manager –Environmental Services and Properties.

February 28, 2014

Keith Nowell
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540

Re: **Request for Closure- Site Conceptual Model**
Former Roadway Express Facility (REX)
1708 Wood Street, Oakland, CA
GeoTracker ID#: TO600102107
ACEH ID #: RO0000039 RB Case #: 01-2291

Dear Mr. Nowell:

On behalf of YRC Worldwide Inc. (YRC), Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) is pleased to present this *Request for Closure* regarding the Former YRC facility located at 1708 Wood Street, Oakland, CA (Site) [Figure 1]. The goal of this report is to present Site findings that will lead to the awarding of No Further Action (NFA) and Site Closure Status by the lead regulator(s), Alameda County Environmental Health Services Agency (ACEH) and the San Francisco Bay Region-State Water Resources Control board (SF-RWCQB). For ease of description, the Site has been subdivided into two areas designated Area 1 and Area 2 (Figure 2). The description of each area is found below.

A telephone conference call regarding the Site status was held on September 25, 2013 between representatives of YRC, Burns & McDonnell, and ACEH. The ACEH informed YRC that if certain data gaps were addressed for the Site, the ACEH would consider Site closure, or alternatively, grant closure for the Area 2 portion of the Site. Subsequently, the ACEH requested that YRC address seven data gaps which would help determine consideration for Site closure; For the purpose of this report, responses to the seven data gaps related to each area, Area 1 and Area 2 (Figure 2), will be discussed separately, as appropriate. The seven identified data gaps are in italics preceding the Area discussion. This Request for Closure addresses all seven of these data gaps.

- **Area 1**: Is located in the northwestern portion of the Site. Two historical Underground Storage Tanks (USTs) (unrelated and unused by YRC) were identified in this area in May 1987. One of these USTs was identified as an 8,000-gallon (or sometimes as a 2,000-gallon) waste oil UST; the other UST is described as a 10,000gallon UST of unknown contents. Due to structural concerns, the two USTs were emptied of contents and abandoned-in-place (sand slurry and grout). In October 2011, these two USTs and product and vent piping were removed in a shored excavation. There is no ACEH case assigned to this area.

There is no groundwater monitoring wells located in Area 1.

- **Area 2**: Is located in the central eastern portion of the Site. In March 1987, two USTs, one 10,000-gallon gasoline UST and one 6,000-gallon motor oil UST, were removed from Area 2, leaving one 10,000 gallon diesel UST and an oil water separator (OWS) in service. In April 1996, the 10,000 gallon diesel UST, fuel dispenser, dispenser island, and all associated piping were removed. The OWS and its associated clean-out line were removed in November 2011.
  ACEH Case ID#: RO0000039 is assigned to this area. Note that previous reports had incorrectly referred to the smaller UST as a 2000-gallon waste oil UST. However, Burns & McDonnell has now confirmed that the smaller UST was a 6,000-gallon motor oil UST (See May 4, 1987 Letter to City of Oakland Fire Department, Appendix A).
  Six groundwater monitoring wells are screened in two distinct groundwater zones in Area 1.

1.0 SITE SETTING, GEOLOGY, AND HYDROGEOLOGY

The Site is located at 1708 Wood Street in Oakland, California in a heavily commercial and industrial area. The Site is currently occupied by Three Rivers Trucking and is utilized as a trucking terminal. The Site is bounded by the Nimitz 680 Freeway to the northwest, Raimondi Park zoned OS (AF) (Urban Open Space) to the northeast, and industrial businesses to the south.

The Site is lies within the East Bay Plain Groundwater Basin (EBPGB) Oakland sub-area. The Site is located approximately 1 mile east of the current eastern extent of the San Francisco Bay, and in the recent geologic past, was part of the San Francisco Bay. At an elevation approximately 10 feet above mean sea level (MSL), the Site is generally flat, with concrete and asphalt surface paving. The closest surface-water bodies are the Oakland Outer Harbor, approximately 1 mile to the west, and the Oakland Inner Harbor, approximately 1.75 miles to the south. The regional topography slopes westward towards San Francisco Bay at roughly 20 feet per mile. The surrounding area is currently and was historically used for railroad, industrial uses, and residential housing. The Site is comprised of two combined assessors' parcels (Alameda County Parcel No.: 7-562-1 & 7-563-1, for a total of approximately 4 acres) that were once separated by Willow St. (it now terminates at 17th St. and the central south perimeter of the Site).

The Site's lithology is characterized by dark gray, very soft, moist clay, inter-bedded with silt and sand layers to a depth approximately 8 to 10 feet below ground surface (ft bgs). Underlying this is a 5- to 10-foot layer of blackish-brown to gray, soft, clay containing a distinct peat layer with high organics content, known as the Bay Mud. Underlying the Bay Mud is approximately 5 to 10 feet of brown, soft, wet, silty sand and clay which extends from approximately 15 to 25 ft bgs, followed by approximately 4 feet of brown, wet, silty clayey sand that extends from approximately 25 to 29 ft bgs.

The Site's hydrogeology is described as two distinct groundwater zones, identified as shallow and deep. The shallow zone is made up of clay with sand and silt lenses extending from the near surface to approximately 8 to 10 ft bgs. Monitoring wells in this unit pump dry under low-flow pumping as expected

in low-permeability clay units with disconnected clay and silt lenses. Static groundwater levels are within approximately 1-3 feet of ground surface. Apparent horizontal hydraulic gradients in this unit are to the east and northeast; however in this shallow low-permeability clayey unit the hydraulic gradient is predominately downward toward the underlying sandy unit, rather than horizontal.

The deeper zone is comprised mainly of silty sand and clayey sand with some medium and coarse sand to a depth of approximately 30 ft bgs. This zone exists under confined conditions as the static groundwater level is higher than the base of the confining soft clay layer. The hydraulic gradient is generally to the west but varies from north-northwest to west-southwest. The upper and lower groundwater zones are separated by a 5- to 10- foot thick layer of Bay Mud.

1.1Preferential Pathway Study

A preferential pathway study was conducted in 2008. A municipal water line runs along the full length of Wood Street; an extension of the water main runs east and appears to terminate approximately 20 feet east of Wood Street along 18th Street, according to utility markings made by East Bay Municipal Utility District (EBMUD). 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 is aligned approximately along the center line of 18th Street (approximately 18 feet from the Site property fence line). At the southeast end of the Site, the sewer line was measured at a depth of 4 feet below the road surface, and was measured at 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 in Area 1 of the Site, along 18th Street.

At this time, it is unknown what fill material was used in the utility corridor areas around the Site. It appears unlikely that the utility trench fill would act as a significant conduit for vertical migration, since it lies at depths of about 4 to 5 feet bgs within the low-permeability clayey material, and the permeable sandy material characteristic of the deeper water zone is not encountered until approximately 13 to 20 feet bgs.

2.0 SITE USE HISTORY

YRC operated the Site as a trucking terminal/hub comprised of an office, loading dock, storage building, and perimeter parking. The Site is currently occupied and operated by Three Rivers Trucking (Figure 2). YRC maintained a mechanics shed (removed in 2011) used for preventative maintenance and minor repairs in Area 2. YRC used Area 1 for parking.

Historical tenants and buildings/facilities in Area 1 include the following:

- Elaterite Roofing Company (office bldg., stock warehouse, 2 additional warehouses, 1-cooker [approximate vicinity of Area 1 abandoned-in-place USTs], 1-to be cooker, asbestos covered boiler, factory with engine shop, circa 1902)
- California Motor Express LTD (circa 1951), Parcel Delivery Depot (circa 1951-1967)
- Jackson Furniture Co's Warehouse (watchman sleeping quarters, varnishing shop, stove warehouse, wagon house, 2 vacant warehouses, corrugated iron shed, 20,000 gallon water tank (circa 1912)

Industrial companies that have historically occupied and or currently occupy neighboring properties to the Site include the following:

To the northeast to northwest

- Bay View Park [circa 1902 to present- current name Raimondi Park]
- F.P.H.A. Veterans Temporary Housing Project (circa 1951-1967)
- Southern Pacific Railroad, Oakland Central Station (Vacant)

To the southwest to southeast

- California Door Company (circa 1902)
- National Pharmacy (drug factory)
- Alber Bros. Milling Co. Ware House (circa 1912)
- Galvanizing Works (staging yard, steel fabricating, ware house, S.P. Hotel (circa 1951)
- Machine shop circa 1957,[Off. & Steel Products circa 1958]
- Steel Truck Body Parts Warehouse & Factory (circa 1967)

To the east on the adjacent Campbell St.

- BASF Corporation
- ACME Galvanizing
- residential houses

3.0 LOW THREAT CLOSURE REVIEW- AREA 1

Area 1 *Northwestern portion of the Site*:

ACEH Data Gap 1. *Please evaluate if the appropriate scope of analyses for these tanks was performed in light of the lack of history of tank usage. Reference the California State Water Resources Control Board's (SWRCB) Leaking Underground Fuel Tank (LUFT) Guidance Manual*.

ACEH Data Gap 2. *Discuss if the elevated petroleum hydrocarbon concentrations as demonstrated in grab groundwater in sample BM-8 and excavation soil sample SW4-3.6 may be influenced by preferential pathway and explain if it presents an off-site risk.*

ACEH Data Gap 3. *Please evaluate the completeness of the soil and groundwater investigation for this area*.

3.1 Area 1 Historical Analytical Suite Discussion

At the time of UST abandonment in 1987, soil samples from three borings were analyzed for total petroleum, total benzene, toluene, ethyl-benzene, total xylenes (BTEX), and aromatic volatile organic compounds (VOCs). The 1987 analytical suite of constituents is deemed insufficient for, as reported, a UST of unknown contents and a waste oil UST. In a 2007 Site investigation, the analytical suite for soil and grab groundwater samples included the following: total petroleum hydrocarbons (TPH) as diesel (TPHd), as gasoline (TPHg), as motor oil (TPHmo) (EPA 8015M), VOCs (EPA 8260B), semi volatile VOCs (SVOCs) (EPA 8270C), and CAM17 Metals (EPA 6010B). In 2008, an additional soil sampling investigation included analysis of BTEX and methyl tert-butyl ether (MTBE) to the analytical suite. In 2011, soil and groundwater (grab and well) samples were analyzed for the following: TPHg, BTEX, lead scavengers (including ethylene dibromide (EDB) and 1,2-dichloroethane (1,2-DCA)), fuel oxygenates [(MTBE, tertiary-amyl methyl ether (TAME), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-butyl alcohol (TBA)], TPHd, TPH as oil & grease (TPHO&G), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbon (PNAs), creosote, and California Code of Regulations (CCR) Title 22 metals. Due to the limited volume of groundwater present in shallow borings, not all constitutes-of-concern in the 2011 analytical suite could be analyzed.

3.2 Area 1 Impacted Soil Removal

The Area 1 USTs were abandoned-in-place in 1987; their associated piping, dispensers, and fill ports were reportedly removed from service at this time. Product/syphon piping and vent lines were found to still be attached to the USTs during removal in 2011. The previously abandoned-in-place USTs and associated piping were removed in October 2011. The USTs were noted to be in good condition, with no pitting or holes observed. The piping terminated at the northeast extent of the public sidewalk abutting 18th street (off-Site), where it was heavily rusted with holes apparent. The piping extended underneath the off-Site sidewalk to the north, and terminated approximately in the middle of the sidewalk. During removal activities TPH impacted soil was encountered below the still connected product piping. It appears that the rusted end of the piping beneath the sidewalk was the source of contamination for this TPH impacted soil. The piping may have been historically connected to a rusted and sheared off former

dispenser, remote fill port, or a similar feature (a section of concrete slab was unearthed approximately 18 inches below current surface grade.

Post UST removal, the area around the former USTs was excavated to 16 feet bgs. Impacted soil beyond the area of the USTs was excavated vertically to the surface of the underlying Bay Mud clay layer, approximately 4 feet bgs, and then an additional 1 foot of Bay Mud was excavated for a total excavated depth of 5 feet bgs. The excavation extended horizontally along the piping to the edge of 18th street to the north, and then east to west until visually impacted soils were removed. Excavation to the north was halted to avoid endangering 18th Street, and excavation to the east and west of the product piping (source) was halted when low PID readings and an absence of visual impacts indicated a lack of contamination.

The vertical extent of impacted soil off-Site appears to be at approximately 4 to 5 feet bgs at the soil/Bay Mud interface and a few inches into the Bay Mud. Approximately 500 cubic yards of soil and sand/slurry (from within the abandoned–in-place USTs) were excavated to remove residual hydrocarbon impacts from Area 1. Excavated soil and concrete was stockpiled on-Site pending waste profiling. Approximately 710 tons of hydrocarbon impacted soil was excavated from Area 1 and Area 2. Upon acceptance of waste profiles by the accepting California licensed waste facility, the excavated soil and concrete was transported under waste manifest protocols for disposal at Potrero Hills Landfill located in Suisun, CA.

3.2.1 Area 1 Residual TPH

Grab groundwater sample BM-8 (2008) previously indicated the presence of TPHg and TPHd at concentrations of 54,000 micrograms per liter (µg/L) and 61,000 µg/L, respectively, adjacent to the abandoned-in-place USTs (Figure 3). The location of BM-8 and the surrounding soil were excavated during UST removal in 2011. Confirmatory soil sidewall samples collected during the UST removal from the terminal piping point under the 18th St. sidewalk indicated residual TPHg and TPHd at concentrations of 104,000 micrograms per kilogram (µg/kg) and 5,930 µg/kg, respectively in sample SW4-3.6 (Figure 3). Groundwater was not encountered in the off-Site 18th St. sidewalk area of excavation. Off-Site TPH-impacted soil was excavated vertically until Bay Mud was encountered at approximately 4 to 5 ft bgs, and then horizontally northward to the edge of 18th St., impacted soil was excavated laterally until no visual impacts were observed and PID headspace readings indicated no impacts in soil

Prior to UST removal, water was present within the USTs, and at the request of the Oakland Fire Department (OFD) inspector, grab samples were to be collected before and after UST removal for comparative review. A grab "water" sample was collected from inside each UST (post sand/slurry removal), analytical results indicated concentrations of TPHg at 182 µg/L and 598 µg/L, TPHd at 2,180 µg/L and 2,250 µg/L, and TPHmo at 128 µg/L and 368 µg/L). Note that these results are not indicative of groundwater conditions since these grab liquid samples were collected from the UST contents. After UST removal, four temporary wells were installed within the footprint of each former UST to the total excavation depth of 16 feet bgs. After a groundwater recharge period of 24 hours had elapsed, no groundwater was present in either temporary well, and therefore, a post-UST-removal grab groundwater sample was not able to be collected. The temporary wells were hence removed. Following UST removal,

the area below the USTs was subsequently excavated, to approximately 2 feet below the bottom of each UST.

3.3 Area 1 Plume and Secondary Source

Historical Sanborn Maps (1957 through 1970) indicate a 'gas & oil' feature on the north side of the two abandoned-in-place USTs, starting in 1957, after the construction of the loading dock, circa 1950's (Appendix C and Figure 3). No borings were advanced on this side of the USTs during UST abandonment in 1987. It is assumed that the 'gas & oil' feature was removed prior to UST abandonment in 1987. The end point of the piping that extended from the USTs correlates to location of the historic 'gas & oil' feature (Appendix C and Figure 3). The 'gas & oil feature' is assumed to be either a dispenser or remote fill port, and it is believed to been rusted and damaged, serving as the potential source of the petroleum plume. It should be noted that in 2011, the residual TPH-impacted soil, which is the secondary source of contamination in Area 1, was excavated both on-Site, and to the extent feasible, off-Site as well (without undermining the street).

3.3 Area 1 Investigation Review

Multiple phases of investigation have occurred in Area 1 between 1987 and 2011. Burns & McDonnell believes the initial subsurface investigation undertaken in 1987 to be incomplete in its scope and breadth as the investigation did not advance any borings on the north side of the USTs, and analytical screening for LUFT constituents-of-concern for USTs of 'unknown contents and size' were limited to TPH, aromatic VOCs, and BTEX. Subsequent investigations in 2007 and 2008 provided a more complete conceptual model and appropriate analytical analyses, but did not identify the plume source. The contamination encountered in 2011 during the UST removal coincided with the historical 'gas & oil' feature found in historical Sanborn Maps (1957 through 1970). The TPH plume straddled the Site property line and 18th St. in the location of the former 'gas & oil' feature (Appendix C and Figure 3). Hence, the primary source of the contamination is presumed to be this 'gas & oil' feature which is assumed to have been removed prior to UST abandonment in 1987. The resulting hydrocarbon impacted soil, deemed as the secondary source was excavated to the extent feasible in 2011. The potential of an off-Site plume appears to be unlikely based upon the low permeability of the clay, and based on PID screenings and visual observations during soil excavation.

4.0 LOW THREAT CLOSURE REVIEW- AREA 2

Area 2 *Central Eastern Portion of the Site*:

ACEH Data Gap 1. *Please evaluate if the appropriate scope of analyses was performed for the 2,000-gallon oil tank, referenced as a motor oil UST and subsequently as a waste oil (WO) UST. Please reference the SWRCB LUFT manual for the analysis scope.*

ACEH Data Gap 2. *Two sets of three groundwater monitoring wells are currently present at the site. One set of wells, MW-3, MW-4 and MW-5, are screened from 10 to 30 feet as measured from below the ground surface (bgs) and one set screened from 5 to 10 feet bgs. Please discuss the hydrology at the site and explain why one set of wells typically demonstrated a groundwater flow in the reverse direction of the other set.*

ACEH Data Gap 3. *Discuss if the well network is adequate to monitor groundwater at the site in light of the different directions of groundwater flow.*

ACEH Data Gap 4. *Please determine if VOC data has been collected or is available for the WO UST. ACEH indicated groundwater monitoring wells MW-3 and MW-8 could be sampled for VOCs at a future date if no existing data is located.*

4.1 Area 2 Historical Analytical Suite Discussion

During the initial removal of the 10,000 gallon gasoline UST and 6,000 gallon motor oil UST in 1987, soil samples were analyzed for TPH and BTEX. During the 1996 diesel UST removal, soil samples were analyzed for TPH and BTEX. During subsurface investigation(s) in 1997 and 2001, soil and groundwater samples were analyzed for the following: TPHd, TPHg, BTEX, MTBE and TPH-O&G These analytical suites are deemed insufficient to adequately characterize potential subsurface contamination related to a 6,000-gallon waste oil UST. In 2007, a more complete analytical suite for a LUFT soil and groundwater investigation included the following: TPHg, TPHd, TPH-O&G, VOC, SVOC, and CAM 17 metals. In 2008, the analytical suite was reduced to TPHd, TPHg, TPHmo, BTEX, and MTBE as no VOCs were detected (exception of a single cis-1,2-DCE detection of 0.31 µg/L, which was qualified as estimated).

Subsequent investigations performed by Environmental Consultants, Inc. ([ACC] during the due diligence conducted by the buyer during the sale by YRC) and Burns & McDonnell in 2011 included the Site's six monitoring wells and a robust analytical suite as follows: TPHd, TPHg, TPHmo, TPH-O&G, BTEX, MTBE, ethylene glycol, HVOCs, and the five fuel oxygenates. During OWS removal in 2011, soil and groundwater samples were analyzed for TPHd, TPHg, TPHmo, BTEX, MTBE, LUFT 5 metals, lead scavengers (EDB, 1,2-DCA, TAME, DIPE, ETBE, TBA), TPH-O&G, PNAs, PCBs, creosote, and CCR Title 22 metals. Due to the limited volume of groundwater present in shallow borings, not all constitutes-of-concern in the 2011 analytical suite could be analyzed.

4.2 Area 2 Groundwater Well Network

Historically eight groundwater wells were located in Area 2. Six groundwater wells are currently present in Area 2, screened over the two distinct groundwater zones designated as 'shallow' and 'deep'(Figure 4).

4.2.1 Area 2 Hydrogeology

Monitoring wells MW-1 and MW-2 (installed during UST removal in 1987), were reportedly screened from 0.5 ft bgs to 10 ft bgs with no annular seals, and were destroyed in 2008 (Figure 4). In September 2000, monitoring wells MW-3, MW-4, and MW-5 were installed to approximately 30 ft bgs (deep groundwater zone), and screened from 10-30 ft bgs and, therefore, may not have been able to intercept light non aqueous phase liquids (LNAPL) floating on top of the water table. In February 2009 monitoring wells MW-6, MW-7, and MW-8 were installed to approximately10 ft bgs (shallow groundwater zone) and screened from 5-10 ft bgs to monitor the shallow groundwater zone.

Shallow groundwater is typically encountered between 0.40 feet below top of casing (TOC) to 2.08 feet below TOC, as referred to mean sea level (ft msl), with groundwater elevations ranging between 7.75 ft msl, to 8.98 ft msl. Hydraulic gradients in the shallow zone are primarily to the northeast and east at an average gradient of 0.01 ft/ft; the gradient on November 11, 2009 was 0.030 ft/ft, as shown on Figure 4. Deep groundwater is typically encountered between 2.90 ft msl and 4.25 ft msl below TOC, with groundwater elevations ranging between 5.53 to 6.65 feet msl. Hydraulic gradients in the deep groundwater zone are typically northwest to west at hydraulic gradients ranging from 0.001 to 0.031 ft/ft (0.001 ft/ft in November 11, 2009).

The groundwater flow direction between the shallow and deep groundwater zones are opposing. This condition is caused by the extremely low permeability of the Bay Mud, a well-known aquitard, which separates the two groundwater zones and allows for flow to be in opposite directions in the shallow versus the deep groundwater zone. Shallow groundwater in the low-permeability clay would be more influenced by the topography of the surface and local variations caused by recharge and ponding of storm water. The deep groundwater zone is in more permeable sands and responds to more regional groundwater flow patterns.

4.2.2 Area 2 Contaminant Transport

Subsurface investigations at the Site indicate that the shallow groundwater zone has extremely low permeability. Subsurface conditions indicate any potential TPH vertical migration to the deeper groundwater zone would be impeded by the extremely low permeability of the Bay Mud aquitard that occurs between the shallow and the deep groundwater zones. In 2011, contaminated soil was removed from UST area. and along the connected piping run as far as feasible, until 18th Street. This impedance to vertical migration of TPH also occurs beneath the backfill of the USTs which is underlain by Bay Mud.

4.2.3 Area 2 Groundwater Monitoring Assessment

Deep wells MW-3 through MW-5 were positioned to monitor contaminant impacts in groundwater associated with the three former USTs located in Area 2. The tops of the well screen intervals are at approximately the same depth as the bottom of the former USTs. As noted by the ACEH during UST removal, the USTs were in good shape upon removal. The current monitoring well network is positioned to screen potential groundwater impacts associated with the former USTs.

No constituents of concern have been detected in any of the deep wells: down-gradient deep well MW-3, up-gradient well MW-4, and cross gradient well MW-5. Shallow well MW-7 is the only well to show consistent TPH detections. However, when detected, concentrations have been below the reporting limit, and the result(s) have been qualified by the analytical laboratory as estimates.

The current well network is adequate to monitor for any TPH contaminants. Oily water was present within and surrounding the OWS prior to removal. The shallow well MW-8 can adequately monitor for LNAPL and TPH in the dissolved phase from the former USTs and OWS . The deep wells can adequately monitor for TPH in the dissolved phase related to both the former USTs and the OWS.

Eight consecutive quarters of groundwater monitoring (2008 through 2009) indicate no TPH detections in the deep water zone monitoring wells (MW-3, MW-4, MW-5), and very low detection in shallow groundwater zone wells MW-7 and MW-8. The final round of sampling by Burns & McDonnell was conducted in the Fourth Quarter 2009. No TPHd, TPHmo, TPHg, BTEX, MTBE or any VOCs were detected in any of the sampled wells (Table 1). Selected analytical reports showing the TPH and VOC testing results are included in Appendix B.

ACC sampled groundwater monitoring wells MW-3 through MW-6 in February 2011 (ACC, 2013). No detectable concentrations of target constituents (TPHg, TPHd, TPHmo, HVOCs, BTEX, or other VOCs and Total Oil and Grease) were reported in the sampled wells except for minor TPHmo at 130 µg/L in MW-6 and DIPE at 0.83 µg/L in MW-5. Selected analytical reports showing the TPH and VOC testing results are included in Appendix B.

4.3 Area 2 VOC Analysis

Analysis of VOC and SVOCs were first reported in Burns & McDonnell's 2007 Site Investigation. No VOCs or SVOCs were detected in the analyzed soil and ground water samples, with the exception of acetone in soil (a common laboratory contaminant) in one sample (BM-8). Sample analyses from the fourth quarter 2009 groundwater sampling event found no unqualified VOCs; only cis-1,2-DCE was detected in well MW-7 at a concentration of 0.31 µg/L that was below the limit of quantitation.

Soil and groundwater was not analyzed for VOCs or SVOCs again until 2011. Very low concentrations of VOCs and PNA were detected in soil samples, primarily on the Site perimeter, and are not associated with Area 1 or Area 2.

4.4 Area 2 Investigation Summary Review

In 2011 the primary potential source of subsurface contamination in Area 2, the OWS, was removed. Free phase oil, oily water, and oil impacted soil were encountered surrounding the OWS. The TPH impacted materials were over-excavated and confirmation sidewall samples were collected from each side of the excavation. Lateral excavation continued until confirmatory laboratory results confirmed that the remaining soil had non-detectable concentrations, or concentrations below commercial environmental screening levels (ESLs); excepting cadmium and zinc. The excavation extended vertically until Bay Mud

was encountered at approximately 4.6 ft bgs. The top 6 inches of the Bay Mud was excavated after oil-impacted groundwater which had infiltrated the excavation was removed.

Surrounding the OWS cleanout line extending from the OWS northwest approximately 40 feet, oily water and soil were excavated. Pea gravel from the previously removed USTs was encountered and shallow groundwater infiltrated the excavation. Grab samples collected from the infiltrating groundwater prior to backfill of the clean-out line indicated TPHd ranging from 758 µg/L to 2,250 µg/L and TPHmo ranging from non-detect to 1,970 µg/L. Analytical results from nearby well MW-4 pre-OWS removal indicate extremely low TPHd detections at concentrations below the reporting limit. Approximately 110 cubic yards of impacted soil was excavated from the OWS and its associated clean-out line.

Based on the monitoring well results, there is no evidence of any remaining TPH impacts in the groundwater.

5.0 SUMMARY, CONCLUSION AND NO FURTHER ACTION RECOMMENDATION

Soil and groundwater investigations in undertaken in 2007, 2008, and 2011 have identified the contaminant sources in each area of the Site. Each contaminant source and secondary sources (USTs, OWS, and impacted soil) has been removed, or removed to the extent feasible. TPHG, TPHd, TPHmo, TPH O&G, BTEX, MTBE, VOCs, HVOCs, SVOCs, Title 22 Metals, Cam 17 Metals, Luft 5 Metals, fuel oxygenates, PNAs, and PCBs have been analyzed from each area of concern. Residual impacts at the Site are limited TPH and metals (cadmium, zinc, and arsenic). BTEX and MTBE have not been detected in grab groundwater, monitoring well, and soil samples. VOC detections in areas of concern related to the former USTs in Area 1 and Area 2 are limited to cis-1,2-DCE at a concentration of 0.31 µg/L (well MW-7), which is below the reporting limit.

In consideration of the following:

- Mr. Paresh Khatri of ACEH has verbally informed Burns & McDonnell several times that Area 2 of the Site is a strong candidate for Closure. Additionally, when ACC spoke with Mr. Khatri for the subject property on or about February 2011, he stated that due to the county current workload and staffing inefficiencies the subject property has not yet been reviewed for case closure, but it appears to meet the conditions for closure (ACC, 2013).

- Primary and secondary sources of contamination (USTs and impacted soil) have been properly removed in both Area 1 and Area 2.

- Residual impacts at the Site in groundwater and soil samples have been below detection and/or reporting limits.

- Residual impacts off-site of Area 1 have been vertically contained as a result of the removal of source and excavation of contaminated soil to the Bay Mud which serves as an aquitard.

- Additionally, the residual impact is laterally contained as shallow and deeper groundwater is not laterally continuous and, if present, recharges poorly. Subsurface conditions indicate no mechanism for TPH transport vertically due to the presence of Bay Mud. While a horizontal pathway for residual TPH constituents may be present atop the Bay Mud, the low permeability of the upper groundwater zone clay soil in the immediate area will act as an inhibitor to horizontal TPH transport.

Burns & McDonnell believes the Site has been characterized, the plume source and secondary source(s) removed, and NFA status is warranted.

If you have any questions or comments regarding this *Request for Closure* for the YRC Enterprise Services, Inc. (former Roadway Express), facility located at 1708 Wood Street, Oakland, California, please contact either of the undersigned at (650) 871-2926.

Sincerely,

PROFESSIONAL GEOLOGIST
SIMON GEORGE BARBER
No. 8907
5/31/14
STATE OF CALIFORNIA

Simon Barber

Simon Barber P.G. QSP/D
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Ruben Byerley, YRC
Martin Ward, PSAI mward@psai-cre.com

Attachments:

Table 1: Historical Monitoring Well Groundwater Summary

Figure 1: Location Map
Figure 2: Site Map
Figure 3: Historical TPH Concentrations in Soil & Groundwater Area 1
Figure 4: Historical TPH Concentrations in Soil & Groundwater Area 2

Appendix A: 1987 Correspondence
Appendix B: Selected Groundwater Analytical Reports
Appendix C: 1957-1970 Sanborn Maps

REFERENCES

Roadway Services, Inc. and Groundwater Technology, 1987, *Underground Storage Tank Removal*, June 9, 1987.

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Burns & McDonnell Engineering Company, Inc., 2008, *Additional Site Assessment Report*, September 5, 2008.

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ACC Environmental Consultants, 2013, *Phase II ESA Limited Soil and Groundwater Investigation*, October 15, 2013.

TABLES

TABLE 1
Historical Monitoring Well Groundwater Summary
Groundwater Elevations and Total Petroleum Hydrocarbons in Groundwater
Roadway Express
1708 Wood Street
Oakland, California

Well ID	Aquifer Zone	Date	Depth to Water (ft below Top of Casing)	Groundwater Elevation (ft MSL)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total Oil & Grease (mg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Other VOCs (8260B) (µg/L)
MW-1	Shallow	24-Jul-97	---	---	1,200	50 U	---	---	---	---	---	1.4	---	---	
Well Destroyed August 2008															
MW-2	Shallow	24-Jul-97	---	---	940	50 U	---	---	---	---	---	6.2	---	---	
MW-2	Shallow	17-Dec-07	1.56	8.33	140	---	---	---	---	---	---	---	---	---	
MW-2	Shallow	28-Mar-08	1.03	8.86	180 BI, SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-2 (DUP-1)	Shallow	28-Mar-08	---	---	160 BI, SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-2	Shallow	02-Jun-08	1.44	8.45	---	---	---	---	---	---	---	---	---	---	
MW-2	Shallow	03-Jun-08	---	---	120 SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-2 (DUP-1)	Shallow	03-Jun-08	---	---	150 SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
Well Destroyed August 2008															
MW-3	Deep	22-Mar-07	4.04	6.07	50 U	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-3	Deep	28-Mar-08	4.12	5.99	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-3	Deep	02-Jun-08	4.35	5.76	---	---	---	---	---	---	---	---	---	---	
MW-3	Deep	03-Jun-08	---	---	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	10-Sep-08	4.48	5.63	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	29-Dec-08	4.42	5.69	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3 (DUP-1)	Deep	29-Dec-08	---	---	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	06-Mar-09	3.68	6.43	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-3	Deep	13-May-09	3.81	6.30	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-3	Deep	19-Sep-09	4.58	5.53	---	---	---	---	---	---	---	---	---	---	
MW-3	Deep	12-Nov-09	3.98	6.13	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-3	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.05 U	0.05 U	0.05 U	1 U	5,200 U	---	0.5 U	ND
MW-4	Deep	22-Mar-07	3.25	6.27	50 U	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-4	Deep	28-Mar-08	3.32	6.2	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-4	Deep	02-Jun-08	3.56	5.96	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	10-Sep-08	3.91	5.61	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	29-Dec-08	3.71	5.81	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	06-Mar-09	2.90	6.62	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-4	Deep	13-May-09	3.06	6.46	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-4	Deep	18-Sep-09	3.76	5.76	---	---	---	---	---	---	---	---	---	---	
MW-4	Deep	12-Nov-09	3.31	6.21	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-4	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,300 U	---	0.5 U	ND
MW-5	Deep	22-Mar-07	3.73	6.24	500 BI	50 U	---	---	---	---	---	4.85 U	---	0.5 U	
MW-5 (DUP-1)	Deep	22-Mar-07	---	---	710 BI	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-5	Deep	28-Mar-08	3.82	6.15	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-5	Deep	02-Jun-08	4.05	5.92	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	10-Sep-08	3.45	6.52	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5 (DUP-1)	Deep	10-Sep-08	---	---	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	29-Dec-08	4.19	5.78	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	06-Mar-09	3.32	6.65	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5 (DUP-1)	Deep	06-Mar-09	---	---	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5	Deep	13-May-09	3.54	6.43	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5 (DUP-1)	Deep	13-May-09	---	---	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5	Deep	18-Sep-09	4.25	5.72	---	---	---	---	---	---	---	---	---	---	
MW-5	Deep	12-Nov-09	3.79	6.18	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-5	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND
MW-6	Shallow	06-Mar-09	0.60	9.53	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	13-May-09	1.06	9.07	95 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	18-Sep-09	1.91	8.22	94 U, SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	12-Nov-09	1.74	8.39	94 U, SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-6	Shallow	14-Feb-11	NR	NR	51 U	50 U	130	0.5 U	0.5 U	0.5 U	1 U	5,100 U	---	0.5 U	ND
MW-7	Shallow	06-Mar-09	0.42	9.51	95 U,SG	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	13-May-09	0.95	8.98	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	18-Sep-09	1.75	8.18	84.5 SG, J	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7 (DUP-1)	Shallow	18-Sep-09	---	---	56.7 SG, J	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	12-Nov-09	1.65	8.28	94 U,SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-7 (DUP-1)	Shallow	12-Nov-09	---	---	94 U,SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-7	Shallow	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND
MW-8	Shallow	06-Mar-09	0.46	9.37	96 U,SG	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	13-May-09	1.64	8.19	77.1 SG, J	50 U	200 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	18-Sep-09	2.08	7.75	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	12-Nov-09	1.93	7.90	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-8	Shallow	14-Feb-11	NR	NR	52 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND

Notes:

ft MSL	Feet above mean sea level
µg/L	Micrograms per Liter
---	No data for the cell, indicates "not measured" or "not analyzed for this constituent"
NR	Not reported

Laboratory Qualifiers:

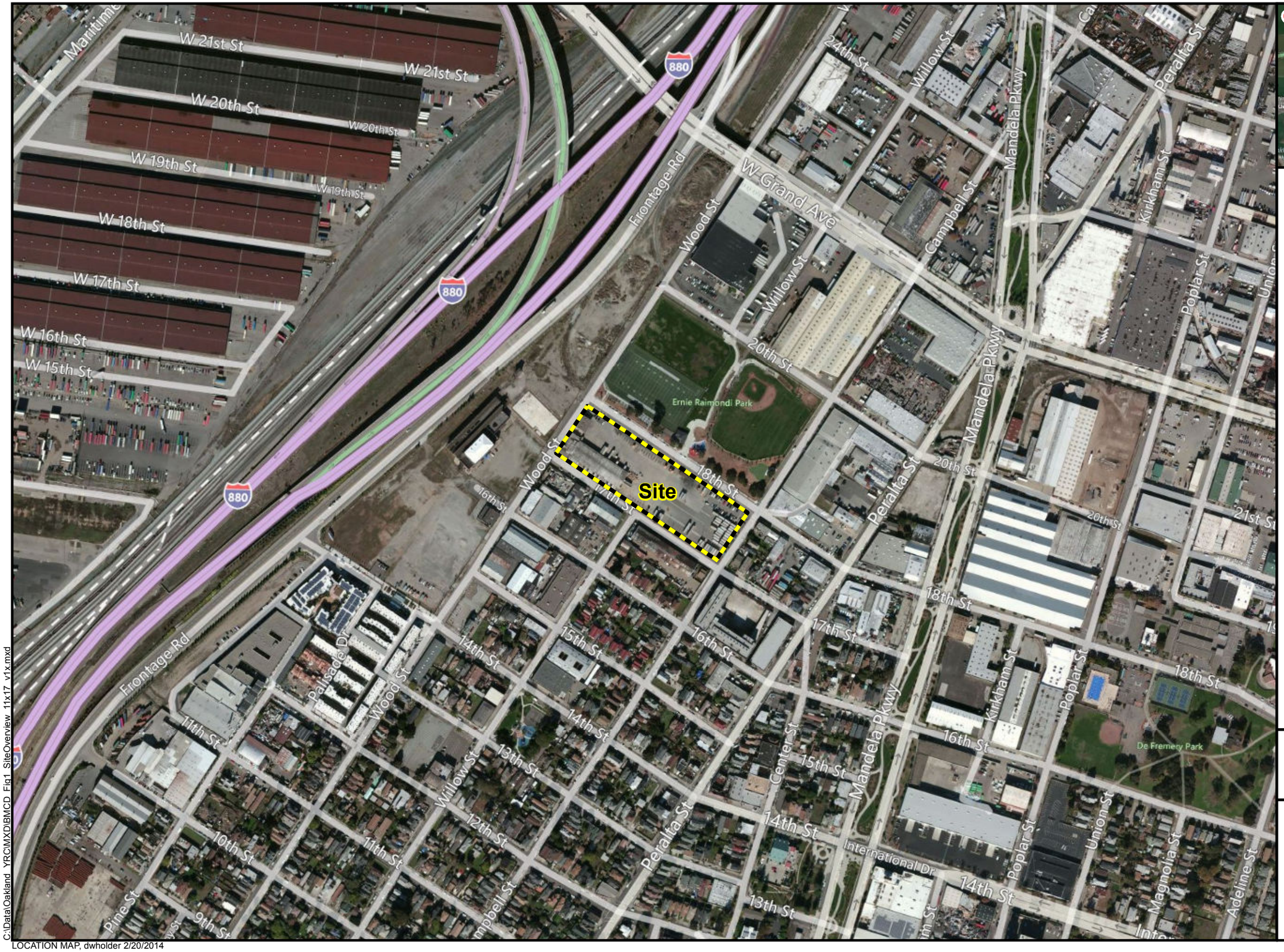
BI	Sample does not resemble standard
SG	SGCU, Silica Gel Clean-up, EPA Method 3630C
J	EPA Flag - Estimated value
U	Compound was not detected above the indicated laboratory reporting limits

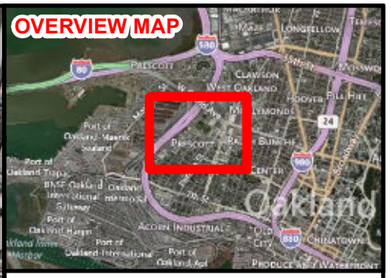
2/14/2011 results were summarized from ACC Phase II ESA- Limited Soil and Groundwater Investigation, October 15, 2013

Chemical Abbreviations:

TPHd	Total petroleum hydrocarbons as diesel range by EPA Method 8015M
TPHmo	Total petroleum hydrocarbons as motor oil range by EPA Method 8015M
TPHg	Total petroleum hydrocarbons as gasoline range by EPA Method 8260B
BTEX	Benzene, ethyl-benzene, toluene, and total xylenes by EPA Method 8260B
MTBE (8021B)	Methyl tert-butyl ether by EPA 8021B
MTBE (8260B)	Methyl tert-butyl ether by EPA 8260B
TOG	Total Oil and Grease by EPA Method 413.2 or EPA 1664
ND	Not detected

FIGURES





LEGEND

Site

NORTH

400 200 0 400

SCALE IN FEET

NOTES:

Locations depicted are approximate for planning purposes only.

Burns & McDonnell
SINCE 1898

Figure 1

LOCATION MAP

FORMER ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

C:\Data\Oakland_YRC\MXD\BMCD_Fig1_SiteOverview_11x17_v1x.mxd

LOCATION MAP, dwholder 2/20/2014

LEGEND

Site

NORTH

75 37.5 0 75

SCALE IN FEET

NOTES:

Locations depicted are approximate for planning purposes only.

Burns & McDonnell
SINCE 1898

Figure 2

SITE MAP
FORMER ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

C:\Data\Oakland_YRC\MXD\BMCD_Fig2_UST_Locations_11x17_v1x.mxd

SITE MAP, dwholder 2/20/2014

BM-19	SOIL	WATER
Gas	0.98 U	50 U
Diesel	7.6	50 U
Motor Oil	19	300 U

SW3-W4B	SOIL	WATER
Gas	39.8	NE
Diesel	**206**	NE
Motor Oil	40 U	NE

SW4-W3.6	SOIL	WATER
Gas	104	NE
Diesel	**5,930**	NE
Motor Oil	1,140 J	NE

SW2-N5	SOIL	WATER
Gas	4.8 J	NE
Diesel	173	NE
Motor Oil	75.7	NE

SW1-E3	SOIL	WATER
Gas	1.1	NE
Diesel	41.9	NE
Motor Oil	196	NE

BM-18	SOIL	WATER
Gas	1 U	50 U
Diesel	3.7	50 U
Motor Oil	16	300 U

BM-17	SOIL	WATER
Gas	1 U	50 U
Diesel	3.1	50 U
Motor Oil	16	300 U

W

SS

SEWER LATERAL

18TH STREET

SIDEWALK

ASPHALT STRIP

APPROX LOCATION OF "GAS & OIL" FEATURE REF. IN 1957 THROUGH 1970 SANBORN MAP.

SITE ENTRANCE

BM-8

VENT PIPING

WEST UST:(REMOVED) 8,000 GALLONS

EAST UST:(REMOVED) 10,000 GALLONS

ASPHALT

CONCRETE

ELECTRIC SECURITY FENCE

WOOD STREET

STORAGE BUILDING

PROPERTY FENCE

CONCRETE

LEGEND:

- PIPING TO USTS. TERMINATED UNDER SIDEWALK (REMOVED)
- FILL PIPING (REMOVED)
- VENT PIPING (REMOVED)
- EXCAVATION LIMITS
- CONFIRMATORY SOIL SAMPLE LOCATION (2011)
- SOIL BORING BURNS & MCDONNELL 2007 & 2008
- UST - REMOVED OCTOBER 31,2011
- SS — SANITARY SEWER LINE
- G — NATURAL GAS LINE
- W — WATER LINE
- WATER LINE TERMINATE ON 18TH ST.

NOTE:

SOIL RESULTS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)

GROUNDWATER RESULTS IN MICROGRAMS PER LITER (ug/L)

---- NOT ANALYZED

U NON DETECT

NE GROUNDWATER NOT ENCOUNTERED

0 10' 20'

SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 3
HISTORICAL TPH CONCENTRATIONS IN SOIL AND GROUNDWATER AREA 1
1708 WOOD STREET

C:\BMCD_LIB\PW\BCOLLANTES\ENV\D0113823\YRC OAKLAND FIG 3.DWG 2/28/2014 10:52 AM BCOLLANTES

SANITARY SEWER

SS

18TH STREET

18TH STREET

LIMITS OF SOIL EXCAVATION

ASPHALT

PROPERTY FENCE

ELECTRIC SECURITY FENCE

FORMER MECHANICS SHED (REMOVED 2011)

OIL/WATER SEPARATOR (NOV 2011)

MW-4	
GW Elev	6.21
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

VOCs ND

MW-4

OWS-1N3 mg/kg	
TPHg	0.096 U
TPHd	69.9
TPHmo	271

OWS NEA-3 mg/kg	
TPHg	0.088 U
TPHd	7.14 J
TPHmo	16.4 J

OWSL-1-4 mg/kg	
TPHg	0.140 U
TPHd	10 U
TPHmo	20 U

OWS-3E3 mg/kg	
TPHg	0.101
TPHd	27.9
TPHmo	78.0

OWS-4S3.6 mg/kg	
TPHg	0.070 U
TPHd	39.9
TPHmo	76.2

MW-8

MW-8	
GW Elev	7.00
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

VOCs ND

MW-7

MW-7	
GW Elev	8.28
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

VOCs ND

SHALLOW

DEEP

0.030

0.001

10k Diesel (1996)

MO

FMR. DISP.

10k Gas (1987)

MW-1

MW-2

PARKING

ROSE DIAGRAM (SHALLOW ZONE)

360 0

270

90

180

ROSE DIAGRAM (DEEP ZONE)

ROSE DIAGRAMS SHOW THE DIRECTION OF HYDRAULIC GRADIENT (DOWNGRADIENT DIRECTION) DURING THE GROUNDWATER MONITORING EVENTS

MW-5

MW-5	
GW Elev	6.18
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

DIPE 0.83 ug/l, ALL OTHERS VOCs ND

MW-3

MW-3	
GW Elev	6.13
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

VOCs ND

MW-6

MW-6	
GW Elev	8.39
TPHg	50 U
TPHd	51 U
TPHmo	100 U
BTEX	0.5 U

VOCs ND

0 10' 20'

SCALE IN FEET

LEGEND

- SOIL SAMPLE LOCATION (2011)
- SOIL RESAMPLE LOCATION CONFIRMATION (2011)
- MONITORING WELLS SHALLOW (MW-6 TO MW-8)
- MONITORING WELLS DEEP (MW-3 TO MW-5)
- MONITORING WELLS REMOVED (2008)
- CLEANOUT LINE
- EXCAVATION LIMITS
- OWS — OIL/WATER SEPARATOR REMOVED 2011
- ORIGINAL EXCAVATION
- MO — 6000-GAL MOTOR OIL UST REMOVED 1987
- UST & FUEL ISLAND REMOVED (1987 & 1996)
- (8.39) GROUNDWATER ELEVATION (MEAN SEA LEVEL) FT. MEASURED ON 11/12/09
- 0.001 APPROX. GROUNDWATER FLOW DIRECTION AND GRADIENT IN FEET/FOOT

NOTE:

SOIL RESULTS ARE MILLIGRAMS PER KILOGRAM (mg/Kg)

GROUNDWATER RESULTS IN MICROGRAMS PER LITER (ug/L) (11/12/2009)

U NON DETECT

TPHg = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE.

TPHd = TPH AS DIESEL

TPHmo = TPH AS MOTOR OIL

BTEX = BENZENE, TOLUENE, ETHYLBENZENE AND TOLUENES.

VOC = VOLATILE ORGANIC COMPOUNDS

Burns & McDonnell SINCE 1898

Figure 4
HISTORICAL
TPH CONCENTRATIONS IN
SOIL & GROUND WATER
AREA 2
1708 WOOD STREET

C:\BMCD_LIB\PW\BCOLLANTES\ENV\D0113823\YRC OAKLAND FIG 4.DWG 2/28/2014 10:30 AM BCOLLANTES

Appendix A
1987 Correspondence

(1)

ROADWAY
SERVICES, INC.

1077 GORGE BOULEVARD
P O BOX 88
AKRON, OH 44309-0088
216-384-8184

June 9, 1987

Mr. Rafat Shahid, Chief
Hazardous Waste Management Division
Alameda County Health Care Services
470 - 27th Street
Room 322
Oakland, California 94612

Re: Roadway Express, Inc. terminal facility
at 1708 Wood Street, Oakland, California

Dear Mr. Shahid:

In accordance with your notification letter dated April 30, 1987, Roadway Express, Inc. previously registered one 10,000-gallon diesel tank, one 10,000-gallon gasoline tank and one unknown waste oil tank. In the process of removing two of the tanks, two additional tanks were discovered adjacent to the garage.

This letter is to advise that one 10,000-gallon gasoline tank and one 6,000-gallon motor oil tank were removed by R. S. Eagan & Co. on March 31, 1987. Also, one 2,000-gallon waste oil tank and one 10,000-gallon unknown tank were abandoned in place on May 5, 1987. The only tank remaining on this property is one 10,000-gallon diesel tank.

Attached please find R. S. Eagan & Co.'s May 4, 1987 letter explaining the tank removals and abandonment and also a copy of Groundwater Technology's April 30, 1987 report concerning soil tests.

If you should have any questions or require additional information, please contact me.

Very truly yours,

Roadway Services, Inc. for
Roadway Express, Inc.

Regina R. Godwin
Real Estate Coordinator

Enclosures

cc: J. H. Bogen (811)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

STATE TANK ID #:

REPORT DATE: 06/05/87 | LOCAL CASE #: | REGIONAL BOARD CASE #: | US EPA ID #: CAC 000 3764

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: MT BAUMGARDNER | PHONE: (216) 384-2359 | SIGNATURE: Mark T Baumgardner

REPRESENTING ☐ LOCAL AGENCY ☐ OTHER ☒ OWNER/OPERATOR ☐ REGIONAL BOARD | COMPANY OR AGENCY NAME: ROADWAY SERVICES, INC

ADDRESS: 1077 STREET GORGE Blvd. P.O. BOX 88 CITY AKRON STATE Ohio ZIP 44309-0088

RESPONSIBLE PARTY

NAME: ROADWAY EXPRESS ☐ UNKNOWN | CONTACT PERSON: MT BAUMGARDNER | PHONE: (216) 384-2359

ADDRESS: 1077 STREET GORGE Blvd. CITY AKRON STATE Ohio ZIP 44309-0088

SITE LOCATION

FACILITY NAME (IF APPLICABLE): ROADWAY EXPRESS | OPERATOR: same | PHONE: ( )

ADDRESS: 1078 STREET Wood Street CITY Oakland CA. COUNTY Alameda ZIP 94607

CROSS STREET: 18th. Street | TYPE OF AREA ☐ COMMERCIAL ☒ INDUSTRIAL ☐ RESIDENTIAL ☐ RURAL ☐ OTHER | TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ UNKNOWN ☒ OTHER Motor Carrier

IMPLEMENTING AGENCIES

LOCAL AGENCY: Alameda County Health Agency | CONTACT PERSON: T M Genow | PHONE: (415) 874-7196

REGIONAL BOARD: | ( )

TSCD: | ( )

SUBSTANCE(S) INVOLVED

CAS # (ATTACH EXTRA SHEET IF NEEDED) | NAME | QUANTITY LOST (GALLONS)

(1) | Motor Oil | ☒ UNKNOWN

(2) | ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 03/05/87 | HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ ROUTINE MONITORING ☐ TANK REMOVAL ☐ NUISANCE CONDITIONS ☐ OTHER:

DATE DISCHARGE BEGAN: ☒ UNKNOWN

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURES ☒ OTHER Remove Tank

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 05/04/87

SOURCE/CAUSE

SOURCE(S) OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER (SPECIFY)

TANKS ONLY/CAPACITY 2000 GAL | AGE ___ YRS. ☒ UNKNOWN | MATERIAL ☒ STEEL ☐ FIBERGLASS ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ CORROSION ☐ RUPTURE/FAILURE ☐ SPILL ☒ UNKNOWN ☐ OTHER

RESOURCES AFFECTED/AT RISK

RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN
AIR (VAPOR)	☐	☒	☐	☐
SOIL (VADOSE ZONE)	☐	☐	☒	☐
GROUNDWATER	☐	☐	☒	☐
SURFACE WATER OR STORM DRAIN	☐	☒	☐	☐
BUILDING OR UTILITY VAULT	☐	☒	☐	☐
OTHER (SPECIFY)	☐	☒	☐	☐

GROUNDWATER BASIN NAME: ☒ UNKNOWN

WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UNKNOWN	# OF WELLS
PUBLIC DRINKING WATER	☐	☒	☐	☐	
PRIVATE DRINKING WATER	☐	☒	☐	☐	
INDUSTRIAL	☐	☒	☐	☐	
AGRICULTURAL	☐	☒	☐	☐	
OTHER (SPECIFY)	☐	☒	☐	☐	

COMMENTS

COMMENTS: Lab Report on Soil/Water Analysis sent to Alameda County Health Dept. Monitoring Well Installed (4")

R.S. EAGAN & CO.

General Contractors
General Engineering, Process Piping & Electrical

LIC. #476428

150-K MASON CIRCLE
CONCORD, CA 94520
(415) 682-3636

May 4, 1987

City of Oakland Fire Department
1 City Hall Plaza
Oakland, Ca. 94612

REAL ESTATE DEPT.

MAY 7 1987

Attention: Jerry Blueford

Subject: Permit # 8868

Gentlemen:

We removed two tanks at the gas island on the subject location, one was a 10,000 gallon gasoline tank and the other was a 2,000 gallon motor oil tank. There are two other tanks on the site up very close to the shop building and the owner has elected to abandon these tanks in place. Because, they are very close to the shop building and in order to remove them we would have to shore the excavation. The owner hired a soils consultant to take soil samples in that area, and we're advised by there consultant that the samples were in fact clean. These tanks have been emptied of products stored and it is our intention, at this time, to fill the tanks with a sand slurry grout and abandon them in place. This work will be accomplished Tuesday May 5th.

Sincerely,

R.S. EAGAN & CO.

Robert S. Eagan, President

RSE;as

OAKLAND, Ca

REAL ESTATE DEPT.

MAY 7 1987

JCS

GROUNDWATER TECHNOLOGY
A DIVISION OF OIL RECOVERY SYSTEMS INC

4080 Pike Lane, Suite D, Concord, CA 94520-1227 (415) 671-2387

April 30, 1987
Project No. 638

Mr. Jerry Swart
Roadway Services, Inc.
1077 Gorge Blvd.
Akron, Ohio 44309

Dear Mr. Swart:

This letter presents the results of the work performed by Groundwater Technology, Inc. at the Roadway Terminal located at 1708 Wood Street in Oakland, California. The work was performed by request of Mr. Swart and consisted of drilling three soil borings, analyzing one soil sample per boring and preparing a letter-report presenting the results of the investigation.

The borings were drilled with a truck mounted drill rig using a 7.5 inch O.D. (outside diameter) hollow stem auger. The drilling was performed under the direction of a geologist who also maintained a continuous log of the materials encountered (See Attached Drill Logs).

Soil samples were obtained during drilling using a 2.5 inch O.D. split spoon sampler lined with three, 2 inch by 6 inch, brass sample tubes. The sampler was driven eighteen inches at each sampling point. The samples were collected at 5 foot intervals beginning from 3.5 feet below the ground surface to the bottom of the boring. The collected samples were sealed, capped and packed on ice in an insulted cooler for subsequent delivery to the laboratory for analysis. Each sample was also labeled with the boring number, time of day and depth. All samples remained in the possession of the field geologist until delivery to the laboratory. A Chain-of-Custody manifest was included with the samples at all times.

The soil sample analysis was performed by Groundwater Technology Environmental Laboratory in Concord, California. The soil samples were analyzed for total petroleum hydrocarbons, (TPH) and benzene, toluene, xylene, (BTX) concentrations. Analysis of hydrocarbons was performed by purge and trap gas chromatography, with flame ionization detection and photo-ionization detection as per EPA Methods 5030/8020/8015. Total petroleum hydrocarbons are reported by the laboratory as the summation of Total BTEX and Miscellaneous Aromatics.

Filed inspection did not detect the presence of hydrocarbons in the soils from any boring. The laboratory results indicate that a minor level of contamination is present in the soil samples from borings 2 and 3 of 14.4 and 3.4 ppm total hydro-carbons. Benzene, ethylbenzene, toluene, and xylenes were below laboratory detection limits in all three borings. (See the enclosed laboratory report).

Groundwater Technology, Inc. would like to thank Roadway for the opportunity to have been of service on this project. If you have any questions regarding this report, please feel free to contact our office at your earliest convenience.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Joyce Miley

Joyce M. Miley
Project Manager

Gary B. Taggart
District Manager
Certified Engineering
Geologist No. 1061

JMM:GBT:lr
Enclosure

GT Environmental Laboratories
A division of Groundwater Technology, Inc.

Western Region
4080-C Pike Ln., Concord, CA 94520
(415) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*

04/28/87
PROJECT MGR: Joyce Miley
Groundwater Technology, Inc
4080 Pike Lane
Concord, CA. 94520
PROJECT #:029000-638-1
LOCATION: Oakland, CA.
SAMPLED: 04/17/87 BY: R.Knight
RECEIVED: 04/20/87 BY: R.Heines
ANALYZED: 04/27/87 BY: E.Foley
MATRIX: Soil

TEST RESULTS (ppm)

COMPOUNDS	LAB # I.D.#	1903 SB1-B (9')	1904 SB2-A (5')	1905 SB3-A (5')
Benzene		<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0
Toluene		<1.0	<1.0	<1.0
Xylenes		<1.0	<1.0	<1.0
Total BTEX		<1.0	<1.0	<1.0
Chlorobenzene		--	--	--
1,2 DCB		--	--	--
1,3 DCB		--	--	--
1,4 DCB		--	--	--
MEK		--	--	--
MIBK		--	--	--
Misc.Aromatics		<1.0	14.4	3.4
Total Hydrocarbons		<1.0	14.4	3.4

One week turnaround.

-- = Not Requested. < = Method Detection Limit-Compound below this level would not be detected. MEK = Methyl Ethyl Ketone MIBK = Methyl Isobutyl Ketone
METHODS: Modified EPA Method 5030/8020/8015.
Total Hydrocarbons is the summation of Total BTEX and Miscellaneous Aromatics.

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Soil Boring 1

Drilling Log

Project Roadway-Wood Street Owner Roadway

Location Oakland Project Number 029000.638

Date Drilled 4/17/87 Total Depth of Hole 15 ft. Diameter 7.5 in.

Surface Elevation ____ Water Level, Initial 4 ft. 24-hrs. ____

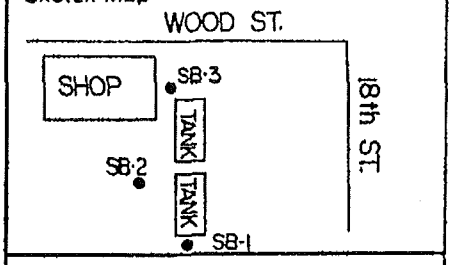
Screen: Dia. ____ Length ____ Slot Size ____

Casing: Dia. ____ Length ____ Type ____

Drilling Company Kvilhaug Drilling Method Hollow Stem Auger

Driller C. Pruner Log by R. Knight

Sketch Map



Notes

backfilled with concrete

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					6 inch concrete over 6 inch base course
2					Gray clayey silt (soft, very moist, no product odor)
4			A 2 2 2	ML	▼ Encountered water 4/17/87 (1250)
6					Gray silty clay (soft, wet, no product odor)
8			B		(grades less silt)
10				CH	
12					
14			C		End of boring-backfilled with concrete
16					
18					
20					
22					
24					

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Soil Boring 2

Drilling Log

Project Roadway-Wood Street Owner Roadway

Location Oakland Project Number 029000.638

Date Drilled 4/17/87 Total Depth of Hole 15 ft. Diameter 7.5 in.

Surface Elevation ____ Water Level, Initial 4.5 ft. 24-hrs. ____

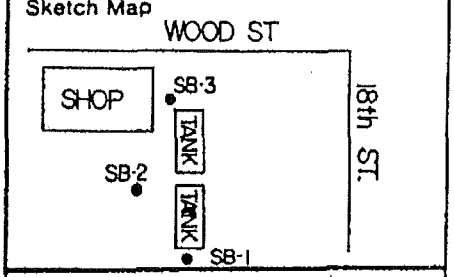
Screen: Dia. ____ Length ____ Slot Size ____

Casing: Dia. ____ Length ____ Type ____

Drilling Company Kvilhaug Drilling Method Hollow Stem Auger

Driller C. Pruner Log by R. Knight

Sketch Map



Notes

backfilled with concrete

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					8 inch concrete over 6 inch base course
2					Dark gray silty clay (soft, very moist, no product odor)
4					Encountered water 4/17/87 (1335)
6			A 2 2	CH	
8					
10			B		(grades hydrogen sulfide odor)
12					
14			C		End of boring-backfilled with concrete
16					
18					
20					
22					
24					

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Soil Boring 3

Drilling Log

Project Roadway-Wood Street Owner Roadway

Location Oakland Project Number 029000.638

Date Drilled 4/17/87 Total Depth of Hole 15 ft. Diameter 7.5 in.

Surface Elevation ____ Water Level, Initial 3.5 ft. 24-hrs. ____

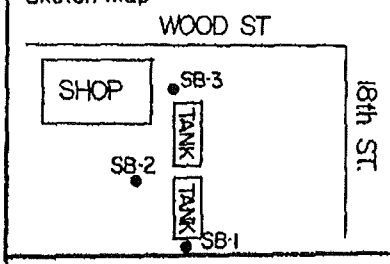
Screen: Dia. ____ Length ____ Slot Size ____

Casing: Dia. ____ Length ____ Type ____

Drilling Company Kvilhaug Drilling Method Hollow Stem Auger

Driller C. Pruner Log by R. Knight

Sketch Map



Notes

Backfilled with concrete

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					8 inch concrete over 6 inch base course
2					Dark gray silty clay with organics (soft, wet, hydrogen sulfide odor)
4					▼ Encountered water 4/17/87 (1430 hours)
6			A	CH	
8					
10			B		(increasing sand)
12					
14					
16			C	SC	Tan fine grained sand with clay (loose, wet, no product odor)
18					End of boring, backfilled with concrete
20					
22					
24					

Appendix B
Selected Groundwater Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-33350-1
Client Project/Site: USF Roadway Express, Oakland
Revision: 1

For:
ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, California 94621

Attn: Environmental Scientist Julia Siudyla

Authorized for release by:
2/25/2011 12:31 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

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

Table of Contents

Client: ACC Environmental Consultants
Project/Site: USF Roadway Express, Oakland

TestAmerica Job ID: 720-33350-1

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Job ID: 720-33350-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-33350-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: ACC Environmental Consultants
Project/Site: USF Roadway Express, Oakland

TestAmerica Job ID: 720-33350-1

Client Sample ID: MW-3 — Lab Sample ID: 720-33350-1

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 720-33350-2

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 720-33350-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
DIPE	0.83		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 720-33350-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil Range Organics [C24-C36]	130		100		ug/L	1		8015B	Silica Gel Clean

Client Sample ID: MW-7 — Lab Sample ID: 720-33350-5

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 720-33350-6

No Detections.

Client Sample ID: TB-1 — Lab Sample ID: 720-33350-7

No Detections.

Client Sample ID: MW-3
Date Collected: 02/14/11 11:00
Date Received: 02/15/11 11:30

Lab Sample ID: 720-33350-1
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 00:16	1
MTBE	ND		0.50		ug/L			02/16/11 00:16	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 00:16	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 00:16	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 00:16	1
Chloroethane	ND		1.0		ug/L			02/16/11 00:16	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 00:16	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 00:16	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 00:16	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 00:16	1
Chloroform	ND		1.0		ug/L			02/16/11 00:16	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 00:16	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 00:16	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 00:16	1
Trichloroethene	ND		0.50		ug/L			02/16/11 00:16	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 00:16	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 00:16	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 00:16	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 00:16	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 00:16	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 00:16	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 00:16	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 00:16	1
Bromoform	ND		1.0		ug/L			02/16/11 00:16	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 00:16	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 00:16	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 00:16	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 00:16	1
Chloromethane	ND		1.0		ug/L			02/16/11 00:16	1
Bromomethane	ND		1.0		ug/L			02/16/11 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 00:16	1
EDB	ND		0.50		ug/L			02/16/11 00:16	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 00:16	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 00:16	1
TBA	ND		4.0		ug/L			02/16/11 00:16	1
DIPE	ND		0.50		ug/L			02/16/11 00:16	1
TAME	ND		0.50		ug/L			02/16/11 00:16	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 00:16	1
Benzene	ND		0.50		ug/L			02/16/11 00:16	1
Toluene	ND		0.50		ug/L			02/16/11 00:16	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 00:16	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 00:16	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/16/11 00:16*	*1*
4-Bromofluorobenzene	*97*		*67 - 130*		*02/16/11 00:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*67 - 130*		*02/16/11 00:16*	*1*

Client Sample ID: MW-3

Lab Sample ID: 720-33350-1

Date Collected: 02/14/11 11:00

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/15/11 16:10	02/16/11 12:40	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		02/15/11 16:10	02/16/11 12:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 5*	*02/15/11 16:10*	*02/16/11 12:40*	*1*
p-Terphenyl	*87*		*31 - 150*	*02/15/11 16:10*	*02/16/11 12:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.2		mg/L		02/18/11 08:04	02/18/11 12:45	1

Client Sample ID: MW-4

Lab Sample ID: 720-33350-2

Date Collected: 02/14/11 14:50

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 01:53	1
MTBE	ND		0.50		ug/L			02/16/11 01:53	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 01:53	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 01:53	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 01:53	1
Chloroethane	ND		1.0		ug/L			02/16/11 01:53	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 01:53	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 01:53	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 01:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 01:53	1
Chloroform	ND		1.0		ug/L			02/16/11 01:53	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 01:53	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 01:53	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 01:53	1
Trichloroethene	ND		0.50		ug/L			02/16/11 01:53	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 01:53	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 01:53	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 01:53	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 01:53	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 01:53	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 01:53	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 01:53	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 01:53	1
Bromoform	ND		1.0		ug/L			02/16/11 01:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 01:53	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 01:53	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 01:53	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 01:53	1
Chloromethane	ND		1.0		ug/L			02/16/11 01:53	1
Bromomethane	ND		1.0		ug/L			02/16/11 01:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 01:53	1
EDB	ND		0.50		ug/L			02/16/11 01:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 01:53	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 01:53	1

Client Sample ID: MW-4

Lab Sample ID: 720-33350-2

Date Collected: 02/14/11 14:50

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		4.0		ug/L			02/16/11 01:53	1
DIPE	ND		0.50		ug/L			02/16/11 01:53	1
TAME	ND		0.50		ug/L			02/16/11 01:53	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 01:53	1
Benzene	ND		0.50		ug/L			02/16/11 01:53	1
Toluene	ND		0.50		ug/L			02/16/11 01:53	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 01:53	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 01:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/16/11 01:53*	*1*
4-Bromofluorobenzene	*98*		*67 - 130*		*02/16/11 01:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*67 - 130*		*02/16/11 01:53*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/15/11 16:10	02/16/11 13:03	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		02/15/11 16:10	02/16/11 13:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.3*		*0 - 5*	*02/15/11 16:10*	*02/16/11 13:03*	*1*
p-Terphenyl	*94*		*31 - 150*	*02/15/11 16:10*	*02/16/11 13:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.3		mg/L		02/18/11 08:30	02/18/11 12:53	1

Client Sample ID: MW-5

Lab Sample ID: 720-33350-3

Date Collected: 02/14/11 12:25

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 02:25	1
MTBE	ND		0.50		ug/L			02/16/11 02:25	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 02:25	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 02:25	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 02:25	1
Chloroethane	ND		1.0		ug/L			02/16/11 02:25	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 02:25	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 02:25	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 02:25	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 02:25	1
Chloroform	ND		1.0		ug/L			02/16/11 02:25	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 02:25	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 02:25	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 02:25	1
Trichloroethene	ND		0.50		ug/L			02/16/11 02:25	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 02:25	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 02:25	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 02:25	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 02:25	1

Client Sample ID: MW-5

Date Collected: 02/14/11 12:25
Date Received: 02/15/11 11:30

Lab Sample ID: 720-33350-3
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 02:25	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 02:25	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 02:25	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 02:25	1
Bromoform	ND		1.0		ug/L			02/16/11 02:25	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 02:25	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:25	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:25	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:25	1
Chloromethane	ND		1.0		ug/L			02/16/11 02:25	1
Bromomethane	ND		1.0		ug/L			02/16/11 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 02:25	1
EDB	ND		0.50		ug/L			02/16/11 02:25	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 02:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 02:25	1
TBA	ND		4.0		ug/L			02/16/11 02:25	1
DIPE	**0.83**		0.50		ug/L			02/16/11 02:25	1
TAME	ND		0.50		ug/L			02/16/11 02:25	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 02:25	1
Benzene	ND		0.50		ug/L			02/16/11 02:25	1
Toluene	ND		0.50		ug/L			02/16/11 02:25	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 02:25	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 02:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/16/11 02:25*	*1*
4-Bromofluorobenzene	*97*		*67 - 130*		*02/16/11 02:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*67 - 130*		*02/16/11 02:25*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/15/11 16:10	02/16/11 13:27	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		02/15/11 16:10	02/16/11 13:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 5*	*02/15/11 16:10*	*02/16/11 13:27*	*1*
p-Terphenyl	*93*		*31 - 150*	*02/15/11 16:10*	*02/16/11 13:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.2		mg/L		02/18/11 08:43	02/18/11 12:56	1

Client Sample ID: MW-6

Date Collected: 02/14/11 11:50
Date Received: 02/15/11 11:30

Lab Sample ID: 720-33350-4
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 02:57	1
MTBE	ND		0.50		ug/L			02/16/11 02:57	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 02:57	1

Client Sample ID: MW-6
Date Collected: 02/14/11 11:50
Date Received: 02/15/11 11:30

Lab Sample ID: 720-33350-4
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 02:57	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 02:57	1
Chloroethane	ND		1.0		ug/L			02/16/11 02:57	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 02:57	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 02:57	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 02:57	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 02:57	1
Chloroform	ND		1.0		ug/L			02/16/11 02:57	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 02:57	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 02:57	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 02:57	1
Trichloroethene	ND		0.50		ug/L			02/16/11 02:57	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 02:57	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 02:57	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 02:57	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 02:57	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 02:57	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 02:57	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 02:57	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 02:57	1
Bromoform	ND		1.0		ug/L			02/16/11 02:57	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 02:57	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:57	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:57	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 02:57	1
Chloromethane	ND		1.0		ug/L			02/16/11 02:57	1
Bromomethane	ND		1.0		ug/L			02/16/11 02:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 02:57	1
EDB	ND		0.50		ug/L			02/16/11 02:57	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 02:57	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 02:57	1
TBA	ND		4.0		ug/L			02/16/11 02:57	1
DIPE	ND		0.50		ug/L			02/16/11 02:57	1
TAME	ND		0.50		ug/L			02/16/11 02:57	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 02:57	1
Benzene	ND		0.50		ug/L			02/16/11 02:57	1
Toluene	ND		0.50		ug/L			02/16/11 02:57	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 02:57	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 02:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/16/11 02:57*	*1*
4-Bromofluorobenzene	*96*		*67 - 130*		*02/16/11 02:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*67 - 130*		*02/16/11 02:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/15/11 16:10	02/16/11 13:50	1
Motor Oil Range Organics [C24-C36]	**130**		100		ug/L		02/15/11 16:10	02/16/11 13:50	1

Client Sample ID: MW-6

Lab Sample ID: 720-33350-4

Date Collected: 02/14/11 11:50

Matrix: Water

Date Received: 02/15/11 11:30

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.3*		*0 - 5*	*02/15/11 16:10*	*02/16/11 13:50*	*1*
p-Terphenyl	*90*		*31 - 150*	*02/15/11 16:10*	*02/16/11 13:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.1		mg/L		02/18/11 08:56	02/18/11 13:00	1

Client Sample ID: MW-7

Lab Sample ID: 720-33350-5

Date Collected: 02/14/11 10:00

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 03:30	1
MTBE	ND		0.50		ug/L			02/16/11 03:30	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 03:30	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 03:30	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 03:30	1
Chloroethane	ND		1.0		ug/L			02/16/11 03:30	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 03:30	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 03:30	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 03:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 03:30	1
Chloroform	ND		1.0		ug/L			02/16/11 03:30	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 03:30	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 03:30	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 03:30	1
Trichloroethene	ND		0.50		ug/L			02/16/11 03:30	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 03:30	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 03:30	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 03:30	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 03:30	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 03:30	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 03:30	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 03:30	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 03:30	1
Bromoform	ND		1.0		ug/L			02/16/11 03:30	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 03:30	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 03:30	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 03:30	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 03:30	1
Chloromethane	ND		1.0		ug/L			02/16/11 03:30	1
Bromomethane	ND		1.0		ug/L			02/16/11 03:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 03:30	1
EDB	ND		0.50		ug/L			02/16/11 03:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 03:30	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 03:30	1
TBA	ND		4.0		ug/L			02/16/11 03:30	1
DIPE	ND		0.50		ug/L			02/16/11 03:30	1
TAME	ND		0.50		ug/L			02/16/11 03:30	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 03:30	1

Client Sample ID: MW-7

Lab Sample ID: 720-33350-5

Date Collected: 02/14/11 10:00

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			02/16/11 03:30	1
Toluene	ND		0.50		ug/L			02/16/11 03:30	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 03:30	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 03:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/16/11 03:30*	*1*
4-Bromofluorobenzene	*95*		*67 - 130*		*02/16/11 03:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*67 - 130*		*02/16/11 03:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/15/11 16:10	02/16/11 15:47	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		02/15/11 16:10	02/16/11 15:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.06*		*0 - 5*	*02/15/11 16:10*	*02/16/11 15:47*	*1*
p-Terphenyl	*93*		*31 - 150*	*02/15/11 16:10*	*02/16/11 15:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.2		mg/L		02/18/11 09:08	02/18/11 13:04	1

Client Sample ID: MW-8

Lab Sample ID: 720-33350-6

Date Collected: 02/14/11 13:40

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/16/11 04:02	1
MTBE	ND		0.50		ug/L			02/16/11 04:02	1
1,1-Dichloroethane	ND		0.50		ug/L			02/16/11 04:02	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/16/11 04:02	1
Vinyl chloride	ND		0.50		ug/L			02/16/11 04:02	1
Chloroethane	ND		1.0		ug/L			02/16/11 04:02	1
Trichlorofluoromethane	ND		1.0		ug/L			02/16/11 04:02	1
Methylene Chloride	ND		5.0		ug/L			02/16/11 04:02	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 04:02	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/16/11 04:02	1
Chloroform	ND		1.0		ug/L			02/16/11 04:02	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/16/11 04:02	1
Carbon tetrachloride	ND		0.50		ug/L			02/16/11 04:02	1
1,2-Dichloroethane	ND		0.50		ug/L			02/16/11 04:02	1
Trichloroethene	ND		0.50		ug/L			02/16/11 04:02	1
1,2-Dichloropropane	ND		0.50		ug/L			02/16/11 04:02	1
Dichlorobromomethane	ND		0.50		ug/L			02/16/11 04:02	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 04:02	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/16/11 04:02	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/16/11 04:02	1
Tetrachloroethene	ND		0.50		ug/L			02/16/11 04:02	1
Chlorodibromomethane	ND		0.50		ug/L			02/16/11 04:02	1
Chlorobenzene	ND		0.50		ug/L			02/16/11 04:02	1

Client Sample ID: MW-8

Lab Sample ID: 720-33350-6

Date Collected: 02/14/11 13:40

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0		ug/L			02/16/11 04:02	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/16/11 04:02	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/16/11 04:02	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/16/11 04:02	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/16/11 04:02	1
Chloromethane	ND		1.0		ug/L			02/16/11 04:02	1
Bromomethane	ND		1.0		ug/L			02/16/11 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/16/11 04:02	1
EDB	ND		0.50		ug/L			02/16/11 04:02	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/16/11 04:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/16/11 04:02	1
TBA	ND		4.0		ug/L			02/16/11 04:02	1
DIPE	ND		0.50		ug/L			02/16/11 04:02	1
TAME	ND		0.50		ug/L			02/16/11 04:02	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/16/11 04:02	1
Benzene	ND		0.50		ug/L			02/16/11 04:02	1
Toluene	ND		0.50		ug/L			02/16/11 04:02	1
Ethylbenzene	ND		0.50		ug/L			02/16/11 04:02	1
Xylenes, Total	ND		1.0		ug/L			02/16/11 04:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/16/11 04:02*	*1*
4-Bromofluorobenzene	*97*		*67 - 130*		*02/16/11 04:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*67 - 130*		*02/16/11 04:02*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		52		ug/L		02/15/11 16:10	02/16/11 16:10	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		02/15/11 16:10	02/16/11 16:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*1*		*0 - 5*	*02/15/11 16:10*	*02/16/11 16:10*	*1*
p-Terphenyl	*88*		*31 - 150*	*02/15/11 16:10*	*02/16/11 16:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.5		mg/L		02/18/11 09:21	02/18/11 13:08	1

Client Sample ID: TB-1

Lab Sample ID: 720-33350-7

Date Collected: 02/14/11 09:00

Matrix: Water

Date Received: 02/15/11 11:30

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/15/11 21:01	1
MTBE	ND		0.50		ug/L			02/15/11 21:01	1
1,1-Dichloroethane	ND		0.50		ug/L			02/15/11 21:01	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/15/11 21:01	1
Vinyl chloride	ND		0.50		ug/L			02/15/11 21:01	1
Chloroethane	ND		1.0		ug/L			02/15/11 21:01	1
Trichlorofluoromethane	ND		1.0		ug/L			02/15/11 21:01	1

Client Sample ID: TB-1
Date Collected: 02/14/11 09:00
Date Received: 02/15/11 11:30

Lab Sample ID: 720-33350-7
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0		ug/L			02/15/11 21:01	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/15/11 21:01	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/15/11 21:01	1
Chloroform	ND		1.0		ug/L			02/15/11 21:01	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/15/11 21:01	1
Carbon tetrachloride	ND		0.50		ug/L			02/15/11 21:01	1
1,2-Dichloroethane	ND		0.50		ug/L			02/15/11 21:01	1
Trichloroethene	ND		0.50		ug/L			02/15/11 21:01	1
1,2-Dichloropropane	ND		0.50		ug/L			02/15/11 21:01	1
Dichlorobromomethane	ND		0.50		ug/L			02/15/11 21:01	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/15/11 21:01	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/15/11 21:01	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/15/11 21:01	1
Tetrachloroethene	ND		0.50		ug/L			02/15/11 21:01	1
Chlorodibromomethane	ND		0.50		ug/L			02/15/11 21:01	1
Chlorobenzene	ND		0.50		ug/L			02/15/11 21:01	1
Bromoform	ND		1.0		ug/L			02/15/11 21:01	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/15/11 21:01	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/15/11 21:01	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/15/11 21:01	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/15/11 21:01	1
Chloromethane	ND		1.0		ug/L			02/15/11 21:01	1
Bromomethane	ND		1.0		ug/L			02/15/11 21:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/15/11 21:01	1
EDB	ND		0.50		ug/L			02/15/11 21:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/15/11 21:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/15/11 21:01	1
TBA	ND		4.0		ug/L			02/15/11 21:01	1
DIPE	ND		0.50		ug/L			02/15/11 21:01	1
TAME	ND		0.50		ug/L			02/15/11 21:01	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/15/11 21:01	1
Benzene	ND		0.50		ug/L			02/15/11 21:01	1
Toluene	ND		0.50		ug/L			02/15/11 21:01	1
Ethylbenzene	ND		0.50		ug/L			02/15/11 21:01	1
Xylenes, Total	ND		1.0		ug/L			02/15/11 21:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/15/11 21:01*	*1*
4-Bromofluorobenzene	*98*		*67 - 130*		*02/15/11 21:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*67 - 130*		*02/15/11 21:01*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-86290/5
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MB 720-86290/5
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50		ug/L			02/15/11 17:47	1
MTBE	ND		0.50		ug/L			02/15/11 17:47	1
1,1-Dichloroethane	ND		0.50		ug/L			02/15/11 17:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/15/11 17:47	1
Vinyl chloride	ND		0.50		ug/L			02/15/11 17:47	1
Chloroethane	ND		1.0		ug/L			02/15/11 17:47	1
Trichlorofluoromethane	ND		1.0		ug/L			02/15/11 17:47	1
Methylene Chloride	ND		5.0		ug/L			02/15/11 17:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/15/11 17:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/15/11 17:47	1
Chloroform	ND		1.0		ug/L			02/15/11 17:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/15/11 17:47	1
Carbon tetrachloride	ND		0.50		ug/L			02/15/11 17:47	1
1,2-Dichloroethane	ND		0.50		ug/L			02/15/11 17:47	1
Trichloroethene	ND		0.50		ug/L			02/15/11 17:47	1
1,2-Dichloropropane	ND		0.50		ug/L			02/15/11 17:47	1
Dichlorobromomethane	ND		0.50		ug/L			02/15/11 17:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/15/11 17:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/15/11 17:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/15/11 17:47	1
Tetrachloroethene	ND		0.50		ug/L			02/15/11 17:47	1
Chlorodibromomethane	ND		0.50		ug/L			02/15/11 17:47	1
Chlorobenzene	ND		0.50		ug/L			02/15/11 17:47	1
Bromoform	ND		1.0		ug/L			02/15/11 17:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/15/11 17:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/15/11 17:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/15/11 17:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/15/11 17:47	1
Chloromethane	ND		1.0		ug/L			02/15/11 17:47	1
Bromomethane	ND		1.0		ug/L			02/15/11 17:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/15/11 17:47	1
EDB	ND		0.50		ug/L			02/15/11 17:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/15/11 17:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/15/11 17:47	1
TBA	ND		4.0		ug/L			02/15/11 17:47	1
DIPE	ND		0.50		ug/L			02/15/11 17:47	1
TAME	ND		0.50		ug/L			02/15/11 17:47	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/15/11 17:47	1
Benzene	ND		0.50		ug/L			02/15/11 17:47	1
Toluene	ND		0.50		ug/L			02/15/11 17:47	1
o-Xylene	ND		0.50		ug/L			02/15/11 17:47	1
Ethylbenzene	ND		0.50		ug/L			02/15/11 17:47	1
Xylenes, Total	ND		1.0		ug/L			02/15/11 17:47	1
m-Xylene & p-Xylene	ND		1.0		ug/L			02/15/11 17:47	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/15/11 17:47*	*1*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/15/11 17:47*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-86290/5
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MB 720-86290/5
Prep Type: Total/NA

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*67 - 130*		*02/15/11 17:47*	*1*

Lab Sample ID: LCS 720-86290/6
Matrix: Water
Analysis Batch: 86290

Client Sample ID: LCS 720-86290/6
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethene	25.0	25.2		ug/L		101	64 - 128
MTBE	25.0	26.3		ug/L		105	62 - 130
1,1-Dichloroethane	25.0	25.1		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	22.1		ug/L		88	33 - 125
Vinyl chloride	25.0	24.1		ug/L		96	65 - 156
Chloroethane	25.0	25.9		ug/L		104	62 - 138
Trichlorofluoromethane	25.0	26.8		ug/L		107	74 - 146
Methylene Chloride	25.0	20.1		ug/L		80	73 - 147
trans-1,2-Dichloroethene	25.0	22.4		ug/L		89	75 - 131
cis-1,2-Dichloroethene	25.0	29.1		ug/L		116	70 - 130
Chloroform	25.0	25.2		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130
Carbon tetrachloride	25.0	26.8		ug/L		107	77 - 146
1,2-Dichloroethane	25.0	25.4		ug/L		102	70 - 126
Trichloroethene	25.0	25.7		ug/L		103	70 - 130
1,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130
Dichlorobromomethane	25.0	26.4		ug/L		106	70 - 130
trans-1,3-Dichloropropene	25.0	27.1		ug/L		109	83 - 140
cis-1,3-Dichloropropene	25.0	27.4		ug/L		110	88 - 137
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	82 - 128
Tetrachloroethene	25.0	26.1		ug/L		104	70 - 130
Chlorodibromomethane	25.0	26.7		ug/L		107	78 - 145
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130
Bromoform	25.0	24.2		ug/L		97	68 - 136
1,1,2,2-Tetrachloroethane	25.0	27.1		ug/L		108	70 - 130
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	87 - 118
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130
Chloromethane	25.0	25.2		ug/L		101	52 - 175
Bromomethane	25.0	26.4		ug/L		105	43 - 151
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.2		ug/L		101	42 - 162
EDB	25.0	28.3		ug/L		113	70 - 130
1,2,4-Trichlorobenzene	25.0	27.2		ug/L		109	70 - 130
TBA	500	493		ug/L		99	82 - 116
DIPE	25.0	26.6		ug/L		106	74 - 155
TAME	25.0	28.6		ug/L		114	79 - 129
Ethyl tert-butyl ether	25.0	26.8		ug/L		107	70 - 130
Benzene	25.0	25.9		ug/L		104	82 - 127
Toluene	25.0	25.9		ug/L		103	83 - 129
o-Xylene	25.0	26.3		ug/L		105	89 - 136
Ethylbenzene	25.0	25.4		ug/L		102	86 - 135
m-Xylene & p-Xylene	50.0	51.4		ug/L		103	70 - 142

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-86290/6
Matrix: Water
Analysis Batch: 86290

Client Sample ID: LCS 720-86290/6
Prep Type: Total/NA

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*67 - 130*

Lab Sample ID: LCSD 720-86290/7
Matrix: Water
Analysis Batch: 86290

Client Sample ID: LCSD 720-86290/7
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			25.0	25.3		ug/L		101	64 - 128	1	20
MTBE			25.0	25.5		ug/L		102	62 - 130	3	20
1,1-Dichloroethane			25.0	24.8		ug/L		99	70 - 130	1	20
Dichlorodifluoromethane			25.0	22.1		ug/L		88	33 - 125	0	20
Vinyl chloride			25.0	24.6		ug/L		98	65 - 156	2	20
Chloroethane			25.0	26.2		ug/L		105	62 - 138	1	20
Trichlorofluoromethane			25.0	26.4		ug/L		106	74 - 146	1	20
Methylene Chloride			25.0	19.6		ug/L		78	73 - 147	2	20
trans-1,2-Dichloroethene			25.0	22.3		ug/L		89	75 - 131	1	20
cis-1,2-Dichloroethene			25.0	28.7		ug/L		115	70 - 130	1	20
Chloroform			25.0	24.8		ug/L		99	70 - 130	1	20
1,1,1-Trichloroethane			25.0	25.7		ug/L		103	70 - 130	0	20
Carbon tetrachloride			25.0	26.8		ug/L		107	77 - 146	0	20
1,2-Dichloroethane			25.0	25.0		ug/L		100	70 - 126	1	20
Trichloroethene			25.0	25.6		ug/L		102	70 - 130	1	20
1,2-Dichloropropane			25.0	25.1		ug/L		100	70 - 130	1	20
Dichlorobromomethane			25.0	25.8		ug/L		103	70 - 130	2	20
trans-1,3-Dichloropropene			25.0	26.6		ug/L		107	83 - 140	2	20
cis-1,3-Dichloropropene			25.0	26.8		ug/L		107	88 - 137	2	20
1,1,2-Trichloroethane			25.0	25.9		ug/L		104	82 - 128	2	20
Tetrachloroethene			25.0	25.9		ug/L		104	70 - 130	1	20
Chlorodibromomethane			25.0	26.1		ug/L		104	78 - 145	2	20
Chlorobenzene			25.0	25.5		ug/L		102	70 - 130	1	20
Bromoform			25.0	23.9		ug/L		95	68 - 136	2	20
1,1,2,2-Tetrachloroethane			25.0	26.5		ug/L		106	70 - 130	2	20
1,3-Dichlorobenzene			25.0	25.4		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene			25.0	25.4		ug/L		101	87 - 118	1	20
1,2-Dichlorobenzene			25.0	25.5		ug/L		102	70 - 130	1	20
Chloromethane			25.0	25.4		ug/L		101	52 - 175	1	20
Bromomethane			25.0	26.4		ug/L		106	43 - 151	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	25.3		ug/L		101	42 - 162	0	20
EDB			25.0	27.7		ug/L		111	70 - 130	2	20
1,2,4-Trichlorobenzene			25.0	27.0		ug/L		108	70 - 130	1	20
TBA			500	478		ug/L		96	82 - 116	3	20
DIPE			25.0	25.8		ug/L		103	74 - 155	3	20
TAME			25.0	27.8		ug/L		111	79 - 129	3	20
Ethyl tert-butyl ether			25.0	25.7		ug/L		103	70 - 130	4	20
Benzene			25.0	25.6		ug/L		102	82 - 127	1	20
Toluene			25.0	26.0		ug/L		104	83 - 129	0	20
o-Xylene			25.0	26.2		ug/L		105	89 - 136	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-86290/7
Matrix: Water
Analysis Batch: 86290

Client Sample ID: LCSD 720-86290/7
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ethylbenzene			25.0	25.4		ug/L		101	86 - 135	0	20
m-Xylene & p-Xylene			50.0	51.6		ug/L		103	70 - 142	0	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*67 - 130*

Lab Sample ID: 720-33350-1 MS
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethene	ND		25.0	25.5		ug/L		102	60 - 140
MTBE	ND		25.0	24.1		ug/L		97	60 - 138
1,1-Dichloroethane	ND		25.0	25.3		ug/L		101	60 - 140
Dichlorodifluoromethane	ND		25.0	28.5		ug/L		114	38 - 140
Vinyl chloride	ND		25.0	27.3		ug/L		109	58 - 140
Chloroethane	ND		25.0	27.1		ug/L		108	51 - 140
Trichlorofluoromethane	ND		25.0	29.0		ug/L		116	60 - 140
Methylene Chloride	ND		25.0	19.7		ug/L		79	40 - 140
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	60 - 140
cis-1,2-Dichloroethene	ND		25.0	25.2		ug/L		101	60 - 140
Chloroform	ND		25.0	25.4		ug/L		102	60 - 140
1,1,1-Trichloroethane	ND		25.0	26.5		ug/L		106	60 - 140
Carbon tetrachloride	ND		25.0	27.7		ug/L		111	60 - 140
1,2-Dichloroethane	ND		25.0	25.3		ug/L		101	60 - 140
Trichloroethene	ND		25.0	25.6		ug/L		102	60 - 140
1,2-Dichloropropane	ND		25.0	24.4		ug/L		98	60 - 140
Dichlorobromomethane	ND		25.0	24.4		ug/L		98	60 - 140
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	60 - 140
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	60 - 140
1,1,2-Trichloroethane	ND		25.0	25.1		ug/L		101	60 - 140
Tetrachloroethene	ND		25.0	26.2		ug/L		105	60 - 140
Chlorodibromomethane	ND		25.0	24.8		ug/L		99	60 - 140
Chlorobenzene	ND		25.0	25.3		ug/L		101	60 - 140
Bromoform	ND		25.0	23.1		ug/L		92	56 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	28.2		ug/L		113	60 - 140
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140
1,4-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140
Chloromethane	ND		25.0	26.6		ug/L		106	52 - 140
Bromomethane	ND		25.0	24.7		ug/L		99	23 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.6		ug/L		106	60 - 140
EDB	ND		25.0	26.5		ug/L		106	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	26.1		ug/L		104	60 - 140
TBA	ND		500	538		ug/L		108	60 - 140
DIPE	ND		25.0	24.7		ug/L		99	60 - 140
TAME	ND		25.0	24.6		ug/L		98	60 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-33350-1 MS
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ethyl tert-butyl ether	ND		25.0	24.7		ug/L		99	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*67 - 130*

Lab Sample ID: 720-33350-1 MSD
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		25.0	24.3		ug/L		97	60 - 140	5	20
MTBE	ND		25.0	24.3		ug/L		97	60 - 138	1	20
1,1-Dichloroethane	ND		25.0	24.8		ug/L		99	60 - 140	2	20
Dichlorodifluoromethane	ND		25.0	26.4		ug/L		106	38 - 140	8	20
Vinyl chloride	ND		25.0	26.7		ug/L		107	58 - 140	2	20
Chloroethane	ND		25.0	26.3		ug/L		105	51 - 140	3	20
Trichlorofluoromethane	ND		25.0	27.5		ug/L		110	60 - 140	5	20
Methylene Chloride	ND		25.0	19.3		ug/L		77	40 - 140	2	20
trans-1,2-Dichloroethene	ND		25.0	24.4		ug/L		98	60 - 140	4	20
cis-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	60 - 140	2	20
Chloroform	ND		25.0	25.0		ug/L		100	60 - 140	2	20
1,1,1-Trichloroethane	ND		25.0	26.0		ug/L		104	60 - 140	2	20
Carbon tetrachloride	ND		25.0	26.9		ug/L		108	60 - 140	3	20
1,2-Dichloroethane	ND		25.0	25.2		ug/L		101	60 - 140	1	20
Trichloroethene	ND		25.0	25.2		ug/L		101	60 - 140	1	20
1,2-Dichloropropane	ND		25.0	24.3		ug/L		97	60 - 140	1	20
Dichlorobromomethane	ND		25.0	24.9		ug/L		100	60 - 140	2	20
trans-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	60 - 140	0	20
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	60 - 140	0	20
1,1,2-Trichloroethane	ND		25.0	25.2		ug/L		101	60 - 140	0	20
Tetrachloroethene	ND		25.0	25.7		ug/L		103	60 - 140	2	20
Chlorodibromomethane	ND		25.0	25.3		ug/L		101	60 - 140	2	20
Chlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140	0	20
Bromoform	ND		25.0	23.5		ug/L		94	56 - 140	2	20
1,1,2,2-Tetrachloroethane	ND		25.0	27.3		ug/L		109	60 - 140	3	20
1,3-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	1	20
1,4-Dichlorobenzene	ND		25.0	25.6		ug/L		102	60 - 140	0	20
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140	2	20
Chloromethane	ND		25.0	25.4		ug/L		102	52 - 140	4	20
Bromomethane	ND		25.0	24.6		ug/L		98	23 - 140	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.2		ug/L		101	60 - 140	5	20
EDB	ND		25.0	25.9		ug/L		103	60 - 140	2	20
1,2,4-Trichlorobenzene	ND		25.0	26.7		ug/L		107	60 - 140	3	20
TBA	ND		500	516		ug/L		103	60 - 140	4	20
DIPE	ND		25.0	24.9		ug/L		99	60 - 140	1	20
TAME	ND		25.0	24.5		ug/L		98	60 - 140	0	20
Ethyl tert-butyl ether	ND		25.0	25.3		ug/L		101	60 - 140	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-33350-1 MSD
Matrix: Water
Analysis Batch: 86290

Client Sample ID: MW-3
Prep Type: Total/NA

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*67 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-86278/1-A
Matrix: Water
Analysis Batch: 86306

Client Sample ID: MB 720-86278/1-A
Prep Type: Silica Gel Cleanup
Prep Batch: 86278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/15/11 13:09	02/16/11 10:19	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		02/15/11 13:09	02/16/11 10:19	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 5*	*02/15/11 13:09*	*02/16/11 10:19*	*1*
p-Terphenyl	*87*		*31 - 150*	*02/15/11 13:09*	*02/16/11 10:19*	*1*

Lab Sample ID: LCS 720-86278/2-A
Matrix: Water
Analysis Batch: 86306

Client Sample ID: LCS 720-86278/2-A
Prep Type: Silica Gel Cleanup
Prep Batch: 86278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel Range Organics [C10-C28]	2500	1550		ug/L		62	32 - 119

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*107*		*31 - 150*

Lab Sample ID: LCSD 720-86278/3-A
Matrix: Water
Analysis Batch: 86306

Client Sample ID: LCSD 720-86278/3-A
Prep Type: Silica Gel Cleanup
Prep Batch: 86278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1430		ug/L		57	32 - 119	8	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*101*		*31 - 150*

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 500-105850/1-A
Matrix: Water
Analysis Batch: 105851

Client Sample ID: MB 500-105850/1-A
Prep Type: Total/NA
Prep Batch: 105850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0		mg/L		02/18/11 06:35	02/18/11 12:20	1

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 500-105850/2-A
Matrix: Water
Analysis Batch: 105851

Client Sample ID: LCS 500-105850/2-A
Prep Type: Total/NA
Prep Batch: 105850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
HEM (Oil & Grease)	40.0	39.1		mg/L		98	78 - 114

Lab Sample ID: 720-33350-1 MS
Matrix: Water
Analysis Batch: 105851

Client Sample ID: MW-3
Prep Type: Total/NA
Prep Batch: 105850

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
HEM (Oil & Grease)	ND		41.0	39.8		mg/L		97	78 - 114

GC/MS VOA

Analysis Batch: 86290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-33350-7	TB-1	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-1	MW-3	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-1 MS	MW-3	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-1 MSD	MW-3	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-2	MW-4	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-3	MW-5	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-4	MW-6	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-5	MW-7	Total/NA	Water	8260B/CA_LUFTMS	
720-33350-6	MW-8	Total/NA	Water	8260B/CA_LUFTMS	
MB 720-86290/5	MB 720-86290/5	Total/NA	Water	8260B/CA_LUFTMS	
LCS 720-86290/6	LCS 720-86290/6	Total/NA	Water	8260B/CA_LUFTMS	
LCSD 720-86290/7	LCSD 720-86290/7	Total/NA	Water	8260B/CA_LUFTMS	

GC Semi VOA

Prep Batch: 86278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-86278/1-A	MB 720-86278/1-A	Silica Gel Cleanup	Water	3510C SGC	
720-33350-5	MW-7	Silica Gel Cleanup	Water	3510C SGC	
720-33350-6	MW-8	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-86278/2-A	LCS 720-86278/2-A	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-86278/3-A	LCSD 720-86278/3-A	Silica Gel Cleanup	Water	3510C SGC	
720-33350-1	MW-3	Silica Gel Cleanup	Water	3510C SGC	
720-33350-2	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-33350-3	MW-5	Silica Gel Cleanup	Water	3510C SGC	
720-33350-4	MW-6	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 86306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-86278/2-A	LCS 720-86278/2-A	Silica Gel Cleanup	Water	8015B	86278
LCSD 720-86278/3-A	LCSD 720-86278/3-A	Silica Gel Cleanup	Water	8015B	86278
720-33350-1	MW-3	Silica Gel Cleanup	Water	8015B	86278
720-33350-2	MW-4	Silica Gel Cleanup	Water	8015B	86278
720-33350-3	MW-5	Silica Gel Cleanup	Water	8015B	86278
720-33350-4	MW-6	Silica Gel Cleanup	Water	8015B	86278
720-33350-5	MW-7	Silica Gel Cleanup	Water	8015B	86278
720-33350-6	MW-8	Silica Gel Cleanup	Water	8015B	86278
MB 720-86278/1-A	MB 720-86278/1-A	Silica Gel Cleanup	Water	8015B	86278

General Chemistry

Prep Batch: 105850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-105850/1-A	MB 500-105850/1-A	Total/NA	Water	1664A	
720-33350-2	MW-4	Total/NA	Water	1664A	

General Chemistry (Continued)

Prep Batch: 105850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-33350-3	MW-5	Total/NA	Water	1664A	
720-33350-4	MW-6	Total/NA	Water	1664A	
720-33350-5	MW-7	Total/NA	Water	1664A	
720-33350-6	MW-8	Total/NA	Water	1664A	
LCS 500-105850/2-A	LCS 500-105850/2-A	Total/NA	Water	1664A	
720-33350-1	MW-3	Total/NA	Water	1664A	
720-33350-1 MS	MW-3	Total/NA	Water	1664A	

Analysis Batch: 105851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-105850/1-A	MB 500-105850/1-A	Total/NA	Water	1664A	105850
720-33350-2	MW-4	Total/NA	Water	1664A	105850
720-33350-3	MW-5	Total/NA	Water	1664A	105850
720-33350-4	MW-6	Total/NA	Water	1664A	105850
720-33350-5	MW-7	Total/NA	Water	1664A	105850
720-33350-6	MW-8	Total/NA	Water	1664A	105850
LCS 500-105850/2-A	LCS 500-105850/2-A	Total/NA	Water	1664A	105850
720-33350-1	MW-3	Total/NA	Water	1664A	105850
720-33350-1 MS	MW-3	Total/NA	Water	1664A	105850

Client Sample ID: MW-3

Lab Sample ID: 720-33350-1

Date Collected: 02/14/11 11:00

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 00:16	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 12:40	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 08:04	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 12:45	MTB	TestAmerica Chicago

Client Sample ID: MW-4

Lab Sample ID: 720-33350-2

Date Collected: 02/14/11 14:50

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 01:53	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 13:03	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 08:30	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 12:53	MTB	TestAmerica Chicago

Client Sample ID: MW-5

Lab Sample ID: 720-33350-3

Date Collected: 02/14/11 12:25

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 02:25	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 13:27	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 08:43	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 12:56	MTB	TestAmerica Chicago

Client Sample ID: MW-6

Lab Sample ID: 720-33350-4

Date Collected: 02/14/11 11:50

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 02:57	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 13:50	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 08:56	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 13:00	MTB	TestAmerica Chicago

Client Sample ID: MW-7

Lab Sample ID: 720-33350-5

Date Collected: 02/14/11 10:00

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 03:30	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 15:47	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 09:08	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 13:04	MTB	TestAmerica Chicago

Client Sample ID: MW-8

Lab Sample ID: 720-33350-6

Date Collected: 02/14/11 13:40

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/16/11 04:02	AC	TestAmerica San Francisco
Silica Gel Cleanup	Prep	3510C SGC			86278	02/15/11 16:10	NP	TestAmerica San Francisco
Silica Gel Cleanup	Analysis	8015B		1	86306	02/16/11 16:10	DH	TestAmerica San Francisco
Total/NA	Prep	1664A			105850	02/18/11 09:21	MTB	TestAmerica Chicago
Total/NA	Analysis	1664A		1	105851	02/18/11 13:08	MTB	TestAmerica Chicago

Client Sample ID: TB-1

Lab Sample ID: 720-33350-7

Date Collected: 02/14/11 09:00

Matrix: Water

Date Received: 02/15/11 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	86290	02/15/11 21:01	AC	TestAmerica San Francisco

Certification Summary

Client: ACC Environmental Consultants
Project/Site: USF Roadway Express, Oakland

TestAmerica Job ID: 720-33350-1

Laboratory	Authority	Program	EPA Region	Certification ID	* Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12
TestAmerica Chicago		USDA		P330-09-00027	02/03/12
TestAmerica Chicago	ACLASS	DoD ELAP	0	ADE-1429	01/06/12
TestAmerica Chicago	ACLASS	ISO/IEC 17025	0	AT-1428	01/06/12
TestAmerica Chicago	Alabama	State Program	4	40461	04/30/11
TestAmerica Chicago	California	NELAC	9	01132CA	04/30/11
TestAmerica Chicago	Florida	NELAC	4	E871072	06/30/11
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A	04/30/11
TestAmerica Chicago	Georgia	State Program	4	939	04/30/11
TestAmerica Chicago	Hawaii	State Program	9	N/A	04/30/11
TestAmerica Chicago	Illinois	NELAC	5	100201	04/30/11
TestAmerica Chicago	Indiana	State Program	5	C-IL-02	04/30/11
TestAmerica Chicago	Iowa	State Program	7	82	05/01/12
TestAmerica Chicago	Kansas	NELAC	7	E-10161	10/31/11
TestAmerica Chicago	Kentucky	Kentucky UST	4	66	05/13/11
TestAmerica Chicago	Kentucky	State Program	4	90023	12/31/11
TestAmerica Chicago	Louisiana	NELAC	6	30720	06/30/11
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035	06/30/11
TestAmerica Chicago	Mississippi	State Program	4	N/A	04/30/11
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291	12/31/11
TestAmerica Chicago	Oklahoma	State Program	6	8908	08/31/11
TestAmerica Chicago	South Carolina	State Program	4	77001	04/30/11
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX	02/28/11
TestAmerica Chicago	Wisconsin	State Program	5	999580010	08/31/11
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q	04/30/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.
* Any expired certifications in this list are currently pending renewal and are considered valid.

Method Summary

Client: ACC Environmental Consultants
Project/Site: USF Roadway Express, Oakland

TestAmerica Job ID: 720-33350-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFT MS	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
1664A	HEM and SGT-HEM	1664A	TAL CHI

Protocol References:

1664A = EPA-821-98-002

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Sample Summary

Client: ACC Environmental Consultants
Project/Site: USF Roadway Express, Oakland

TestAmerica Job ID: 720-33350-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-33350-1	MW-3	Water	02/14/11 11:00	02/15/11 11:30
720-33350-2	MW-4	Water	02/14/11 14:50	02/15/11 11:30
720-33350-3	MW-5	Water	02/14/11 12:25	02/15/11 11:30
720-33350-4	MW-6	Water	02/14/11 11:50	02/15/11 11:30
720-33350-5	MW-7	Water	02/14/11 10:00	02/15/11 11:30
720-33350-6	MW-8	Water	02/14/11 13:40	02/15/11 11:30
720-33350-7	TB-1	Water	02/14/11 09:00	02/15/11 11:30

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

129665

720-33350

Test America - SF

DHS #

CONSTANT ANALYSIS TO DETECT LAB

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

4.2°C

CHAIN OF CUSTODY BTS # 110214-FS1

CLIENT: ACC Environmental

SITE: USF Roadway Express
1708 Wood St.
Oakland, CA

SPECIAL INSTRUCTIONS

Invoice to: ACC Environmental
Attn: Julia Siudyla
Report to: Julia Siudyla jsiudyla@accenv.com

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-G, (5) fuel Oxygenates, HVOC's(8260B)	TPH-d, TPH-mo (w/SGC) 8015M	Total Oil and Grease	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1 MW-3	2-14-11	1100	W	7	VOAs + AMBERS		X	X	X				
2 MW-4		1450		7			X	X	X				
3 MW-5		1225		7			X	X	X				
4 MW-6		1150		7			X	X	X				
5 MW-7		1000		7			X	X	X				
6 MW-8		1340		7			X	X	X				
7 TB-1		900		2	VOAs		X						

SAMPLING COMPLETED	DATE	TIME
	2-14-11	

SAMPLING PERFORMED BY: F. SRIWONGSNG

RESULTS NEEDED NO LATER THAN: **Standard TAT**

		DATE	TIME			DATE	TIME
RELEASED BY		2-14-11	1700	RECEIVED BY		2-14-11	1700
RELEASED BY		2/15/11	0830	RECEIVED BY	TASC	02/15/11	0830
RELEASED BY		02/15/11	1130	RECEIVED BY	TASF	2/15/11	1130

SHIPPED VIA | DATE SENT | TIME SENT | COOLER # |

Sharma, Dimple

From: jsiudyla [jsiudyla@accenv.com]
Sent: Thursday, February 24, 2011 2:24 PM
To: Sharma, Dimple
Subject: Re: Files from 720-33350-1 USF Roadway Express, Oakland

Dimple,
Can you please report BTEX and MTBE on this?
Julia Siudyla
Staff Geologist
ACC Environmental Consultants
7977 Capwell Drive
Oakland, CA 94621

ph: 510-638-8400 x110
fax: 510-638-8404

jsiudyla@accenv.com

On Feb 22, 2011, at 4:41 PM, Sharma, Dimple wrote:

> <J33350-1 UDS Level 2 Report Final Report.pdf>

Login Sample Receipt Check List

Client: ACC Environmental Consultants

Job Number: 720-33350-1

Login Number: 33350

List Source: TestAmerica San Francisco

Creator: Apostol, Anita

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: ACC Environmental Consultants

Job Number: 720-33350-1

Login Number: 33350
Creator: Kelsey, Shawn M
List Number: 1

List Source: TestAmerica Chicago
List Creation: 02/16/11 10:53 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Northern California ACCUTEST LABORATORIES

Reissue #1
09/26/13

Technical Report for

Burns and McDonnell Engineering

T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA 48791

Accutest Job Number: C8422

Sampling Date: 11/12/09

Report to:

Burns and McDonnell Engineering
400 Oyster Point Blvd Suite 533
South San Francisco, CA 94080
sbarber@burnsmcd.com

ATTN: Simon Barber

Total number of pages in report: **106**

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

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

September 26, 2013

Simon Barber
Burns and McDonnell Engineering
393 East Grand Avenue Suite J
San Francisco, CA 94080

Re: Accutest Job # C8422 Reissue

Dear Mr. Barber,

The final report for Accutest Job # **C8422**, original report dated 11/20/2009, has been edited to reflect requested corrections.

The volatiles reporting list has been revised as per your request. Revised sample result pages and associated QC have been incorporated into this revised report.

Please contact us at 408-588-0200 if we can be of further assistance in this matter, or if you have any questions regarding this data report.

Sincerely,

Accutest Laboratories

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Accutest Laboratories

Sample Summary

Burns and McDonnell Engineering

Job No: C8422

T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA
Project No: 48791

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C8422-1	11/12/09	10:35	SB	11/13/09	AQ	Ground Water	MW-3
C8422-1R	11/12/09	10:35	SB	11/13/09	AQ	Ground Water	MW-3
C8422-2	11/12/09	11:15	SB	11/13/09	AQ	Ground Water	MW-6
C8422-2R	11/12/09	11:15	SB	11/13/09	AQ	Ground Water	MW-6
C8422-3	11/12/09	11:55	SB	11/13/09	AQ	Ground Water	MW-5
C8422-3R	11/12/09	11:55	SB	11/13/09	AQ	Ground Water	MW-5
C8422-4	11/12/09	12:25	SB	11/13/09	AQ	Ground Water	MW-7
C8422-4R	11/12/09	12:25	SB	11/13/09	AQ	Ground Water	MW-7
C8422-5	11/12/09	00:00	SB	11/13/09	AQ	Ground Water	DUP-1
C8422-5R	11/12/09	00:00	SB	11/13/09	AQ	Ground Water	DUP-1
C8422-6	11/12/09	13:25	SB	11/13/09	AQ	Ground Water	MW-8
C8422-6R	11/12/09	13:25	SB	11/13/09	AQ	Ground Water	MW-8
C8422-7	11/12/09	14:05	SB	11/13/09	AQ	Ground Water	MW-4

Sample Summary
(continued)

Burns and McDonnell Engineering

Job No: C8422

T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA
Project No: 48791

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
C8422-7R	11/12/09	14:05	SB	11/13/09	AQ	Ground Water	MW-4
C8422-8	11/12/09	00:00	SB	11/13/09	AQ	Trip Blank Water	TRIP BLANK
C8422-8R	11/12/09	00:00	SB	11/13/09	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: C8422
Account: Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA
Collected: 11/12/09

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C8422-1	**MW-3**					
No hits reported in this sample.						
C8422-2	**MW-6**					
No hits reported in this sample.						
C8422-3	**MW-5**					
No hits reported in this sample.						
C8422-4	**MW-7**					
cis-1,2-Dichloroethylene		0.31 J	1.0	0.30	ug/l	SW846 8260B
C8422-5	**DUP-1**					
No hits reported in this sample.						
C8422-6	**MW-8**					
No hits reported in this sample.						
C8422-7	**MW-4**					
No hits reported in this sample.						
C8422-8	**TRIP BLANK**					
No hits reported in this sample.						

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	C8422-1	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11024.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	C8422-1	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%

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

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	C8422-1	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		60-130%
460-00-4	4-Bromofluorobenzene	93%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-3
Lab Sample ID: C8422-1 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8015B M SW846 3510C **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9485.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	98%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-6
Lab Sample ID: C8422-2 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11025.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID: MW-6
Lab Sample ID: C8422-2 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%

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

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	C8422-2	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		60-130%
460-00-4	4-Bromofluorobenzene	93%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-6
Lab Sample ID: C8422-2 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8015B M SW846 3510C **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9486.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	89%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-5
Lab Sample ID: C8422-3 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11026.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID: MW-5
Lab Sample ID: C8422-3 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		60-130%

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

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	C8422-3	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		60-130%
460-00-4	4-Bromofluorobenzene	92%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-5
Lab Sample ID: C8422-3 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8015B M SW846 3510C **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9487.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	88%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	C8422-4	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11027.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.31	1.0	0.30	ug/l	J

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

Report of Analysis

Client Sample ID: MW-7
Lab Sample ID: C8422-4 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%

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

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	C8422-4	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	109%		60-130%
460-00-4	4-Bromofluorobenzene	93%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	C8422-4	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9488.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	87%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	C8422-5	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11028.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: C8422-5 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%

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

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	C8422-5	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		60-130%
460-00-4	4-Bromofluorobenzene	92%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: C8422-5 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8015B M SW846 3510C **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9489.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	C8422-6	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11029.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID: MW-8
Lab Sample ID: C8422-6 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%

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

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	C8422-6	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		60-130%
460-00-4	4-Bromofluorobenzene	91%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	C8422-6	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9490.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	88%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID: MW-4
Lab Sample ID: C8422-7 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11030.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID: MW-4
Lab Sample ID: C8422-7 **Date Sampled:** 11/12/09
Matrix: AQ - Ground Water **Date Received:** 11/13/09
Method: SW846 8260B **Percent Solids:** n/a
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		60-130%

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

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	C8422-7	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		60-130%
460-00-4	4-Bromofluorobenzene	91%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	C8422-7	**Date Sampled:**	11/12/09
Matrix:	AQ - Ground Water	**Date Received:**	11/13/09
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG9491.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.094	0.047	mg/l	
	TPH (> C28-C40)	ND	0.19	0.094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	91%		45-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	C8422-8	**Date Sampled:**	11/12/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N11023.D	1	11/19/09	TF	n/a	n/a	VN368
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
67-64-1	Acetone	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	C8422-8	**Date Sampled:**	11/12/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride [a]	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		60-130%

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	C8422-8	**Date Sampled:**	11/12/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		60-130%
460-00-4	4-Bromofluorobenzene	93%		60-130%

(a) CCV recovery (22.7%D) outside of laboratory QC criteria (< 20%D); associated results may be biased low. Compound retrieved as per client request.

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

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Burns & McDonnell SINCE 1898

Request for Chemical Analysis and Chain of Custody Record

C8422

"BMECASF 136"

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

Laboratory: Accutest
Address: 2105 Lundy Ave
City/State/Zip: San Jose, CA 95131
Telephone: 408-588-0200

Document Control No: 11.12.2009 1 of 1
Lab. Reference No. or Episode No.:

Project Number: 48791
Client Name: yrc worldwide

Analysis: TPH d, TPH mo 8015M / Silica gel 3630 / TPH g BTEX/mtbe 8260

Group or SWMU Name	Sample Point	Sample Designator	Round	Year	Depth From	Depth To	Date	Time	Liquid	Solid	Gas	Number of Containers	TPH d, TPH mo 8015M	Silica gel 3630	TPH g BTEX/mtbe 8260	Remarks
-1	mw-3		4 Qtr	2009			11.12	1035	WG			6	X	X	X	
-2	mw-6		4 Qtr	2009			11.12	1115	WG			6	X	X	X	standard
-3	mw-5		4 Qtr	2009			11.12	1153	WG			6	X	X	X	turn around time
-4	mw-7		4 Qtr	2009			11.12	1225	WG			6	X	X	X	Combbt
-5	Dup-1		4 Qtr	2009			11.12	—	WG			6	X	X	X	
-6	mw-8		4 Qtr	2009			11.12	1325	WG			5	X	X	X	1 Lit Amber ONLY
-7	mw-4		4 Qtr	2009			11.12	1405	WG			6	X	X	X	
-8	Trip blanks		—	—			11.12	—	W			3			X	

Remarks: 4 vials (w/HCL); 2 Lit Ambers each N/P

Sampler (signature): Simon Barber

Sampler (signature):

Special Instructions: Please submit EDF Geotracker Global ID# T0600102107

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
1. [signature]	11.13.09 / 0805	[signature]	11/13/09 0805
2. [signature]	11/13/09 0915	[signature]	11/13/09 09:22

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

Temperature Upon Receipt: 5.3 + 0.4 = 5.7°C

Laboratory Comments: BMcD P.O. # 39289

011102 Form WCD-KC1-SDO

4.1
4

C8422: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB1	N11017.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB1	N11017.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB1	N11017.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	60-130%
2037-26-5	Toluene-D8	108%	60-130%
460-00-4	4-Bromofluorobenzene	94%	60-130%

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB	N11004.D	1	11/19/09	TF	n/a	n/a	VN368

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

VN368-BS, VN368-LCS

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.30	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.30	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.30	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.30	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.30	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.30	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB	N11004.D	1	11/19/09	TF	n/a	n/a	VN368

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

VN368-BS, VN368-LCS

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	20	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	20	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-MB	N11004.D	1	11/19/09	TF	n/a	n/a	VN368

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

VN368-BS, VN368-LCS

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	60-130%
2037-26-5	Toluene-D8	108%	60-130%
460-00-4	4-Bromofluorobenzene	90%	60-130%

Blank Spike Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-BS	N11005.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	80	80.6	101	60-130
71-43-2	Benzene	20	18.7	94	60-130
108-86-1	Bromobenzene	20	20.9	105	60-130
74-97-5	Bromochloromethane	20	19.8	99	60-130
75-27-4	Bromodichloromethane	20	19.8	99	60-130
75-25-2	Bromoform	20	21.8	109	60-130
104-51-8	n-Butylbenzene	20	19.5	98	60-130
135-98-8	sec-Butylbenzene	20	20.9	105	60-130
98-06-6	tert-Butylbenzene	20	20.9	105	60-130
108-90-7	Chlorobenzene	20	20.4	102	60-130
75-00-3	Chloroethane	20	17.4	87	60-130
67-66-3	Chloroform	20	18.6	93	60-130
95-49-8	o-Chlorotoluene	20	20.7	104	60-130
106-43-4	p-Chlorotoluene	20	20.0	100	60-130
56-23-5	Carbon tetrachloride	20	20.0	100	60-130
75-34-3	1,1-Dichloroethane	20	17.8	89	60-130
75-35-4	1,1-Dichloroethylene	20	17.9	90	60-130
563-58-6	1,1-Dichloropropene	20	18.7	94	60-130
96-12-8	1,2-Dibromo-3-chloropropane	20	19.5	98	60-130
106-93-4	1,2-Dibromoethane	20	20.3	102	60-130
107-06-2	1,2-Dichloroethane	20	18.2	91	60-130
78-87-5	1,2-Dichloropropane	20	18.7	94	60-130
142-28-9	1,3-Dichloropropane	20	19.7	99	60-130
108-20-3	Di-Isopropyl ether	20	16.6	83	60-130
594-20-7	2,2-Dichloropropane	20	18.4	92	60-130
124-48-1	Dibromochloromethane	20	21.8	109	60-130
75-71-8	Dichlorodifluoromethane	20	14.7	74	60-130
156-59-2	cis-1,2-Dichloroethylene	20	18.4	92	60-130
10061-01-5	cis-1,3-Dichloropropene	20	19.1	96	60-130
541-73-1	m-Dichlorobenzene	20	21.2	106	60-130
95-50-1	o-Dichlorobenzene	20	20.9	105	60-130
106-46-7	p-Dichlorobenzene	20	20.9	105	60-130
156-60-5	trans-1,2-Dichloroethylene	20	18.2	91	60-130
10061-02-6	trans-1,3-Dichloropropene	20	20.1	101	60-130
100-41-4	Ethylbenzene	20	20.6	103	60-130
637-92-3	Ethyl Tert Butyl Ether	20	17.1	86	60-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-BS	N11005.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
591-78-6	2-Hexanone	80	73.4	92	60-130
87-68-3	Hexachlorobutadiene	20	18.5	93	60-130
98-82-8	Isopropylbenzene	20	21.4	107	60-130
99-87-6	p-Isopropyltoluene	20	20.9	105	60-130
108-10-1	4-Methyl-2-pentanone	80	76.3	95	60-130
74-83-9	Methyl bromide	20	16.5	83	60-130
74-87-3	Methyl chloride	20	17.4	87	60-130
74-95-3	Methylene bromide	20	19.9	100	60-130
75-09-2	Methylene chloride	20	17.6	88	60-130
78-93-3	Methyl ethyl ketone	80	70.2	88	60-130
1634-04-4	Methyl Tert Butyl Ether	20	17.4	87	60-130
91-20-3	Naphthalene	20	18.6	93	60-130
103-65-1	n-Propylbenzene	20	20.2	101	60-130
100-42-5	Styrene	20	21.4	107	60-130
994-05-8	Tert-Amyl Methyl Ether	20	17.5	88	60-130
75-65-0	Tert-Butyl Alcohol	100	82.1	82	60-130
630-20-6	1,1,1,2-Tetrachloroethane	20	21.5	108	60-130
71-55-6	1,1,1-Trichloroethane	20	18.8	94	60-130
79-34-5	1,1,2,2-Tetrachloroethane	20	19.3	97	60-130
79-00-5	1,1,2-Trichloroethane	20	20.4	102	60-130
87-61-6	1,2,3-Trichlorobenzene	20	19.5	98	60-130
96-18-4	1,2,3-Trichloropropane	20	18.8	94	60-130
120-82-1	1,2,4-Trichlorobenzene	20	19.7	99	60-130
95-63-6	1,2,4-Trimethylbenzene	20	20.3	102	60-130
108-67-8	1,3,5-Trimethylbenzene	20	20.5	103	60-130
127-18-4	Tetrachloroethylene	20	21.7	109	60-130
108-88-3	Toluene	20	19.5	98	60-130
79-01-6	Trichloroethylene	20	18.9	95	60-130
75-69-4	Trichlorofluoromethane	20	18.1	91	60-130
75-01-4	Vinyl chloride	20	21.1	106	60-130
1330-20-7	Xylene (total)	60	64.3	107	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	60-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-BS	N11005.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	103%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN368-LCS	N11006.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	125	100	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	107%	70-130%
460-00-4	4-Bromofluorobenzene	91%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C8422-7MS	N11031.D	1	11/19/09	TF	n/a	n/a	VN368
C8422-7MSD	N11032.D	1	11/20/09	TF	n/a	n/a	VN368
C8422-7	N11030.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	C8422-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		80	58.7	73	59.9	75	2	60-130/25
71-43-2	Benzene	ND		20	18.8	94	18.3	92	3	60-130/25
108-86-1	Bromobenzene	ND		20	20.6	103	20.1	101	2	60-130/25
74-97-5	Bromochloromethane	ND		20	20.5	103	19.4	97	6	60-130/25
75-27-4	Bromodichloromethane	ND		20	20.5	103	19.7	99	4	60-130/25
75-25-2	Bromoform	ND		20	22.1	111	21.6	108	2	60-130/25
104-51-8	n-Butylbenzene	ND		20	18.3	92	17.8	89	3	60-130/25
135-98-8	sec-Butylbenzene	ND		20	19.8	99	19.5	98	2	60-130/25
98-06-6	tert-Butylbenzene	ND		20	19.9	100	19.8	99	1	60-130/25
108-90-7	Chlorobenzene	ND		20	20.8	104	19.9	100	4	60-130/25
75-00-3	Chloroethane	ND		20	16.5	83	16.0	80	3	60-130/25
67-66-3	Chloroform	ND		20	18.6	93	18.0	90	3	60-130/25
95-49-8	o-Chlorotoluene	ND		20	19.7	99	19.8	99	1	60-130/25
106-43-4	p-Chlorotoluene	ND		20	19.0	95	17.9	90	6	60-130/25
56-23-5	Carbon tetrachloride	ND		20	20.0	100	19.9	100	1	60-130/25
75-34-3	1,1-Dichloroethane	ND		20	17.7	89	17.2	86	3	60-130/25
75-35-4	1,1-Dichloroethylene	ND		20	17.1	86	17.2	86	1	60-130/25
563-58-6	1,1-Dichloropropene	ND		20	18.6	93	18.3	92	2	60-130/25
96-12-8	1,2-Dibromo-3-chloropropane	ND		20	19.4	97	19.4	97	0	60-130/25
106-93-4	1,2-Dibromoethane	ND		20	20.3	102	19.6	98	4	60-130/25
107-06-2	1,2-Dichloroethane	ND		20	18.8	94	18.1	91	4	60-130/25
78-87-5	1,2-Dichloropropane	ND		20	19.0	95	18.2	91	4	60-130/25
142-28-9	1,3-Dichloropropane	ND		20	20.0	100	19.3	97	4	60-130/25
108-20-3	Di-Isopropyl ether	ND		20	16.9	85	16.2	81	4	60-130/25
594-20-7	2,2-Dichloropropane	ND		20	16.4	82	16.1	81	2	60-130/25
124-48-1	Dibromochloromethane	ND		20	21.9	110	21.5	108	2	60-130/25
75-71-8	Dichlorodifluoromethane	ND		20	13.4	67	13.3	67	1	60-130/25
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.2	91	17.6	88	3	60-130/25
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.0	95	18.3	92	4	60-130/25
541-73-1	m-Dichlorobenzene	ND		20	20.6	103	19.9	100	3	60-130/25
95-50-1	o-Dichlorobenzene	ND		20	20.5	103	19.8	99	3	60-130/25
106-46-7	p-Dichlorobenzene	ND		20	20.5	103	19.6	98	4	60-130/25
156-60-5	trans-1,2-Dichloroethylene	ND		20	17.7	89	17.3	87	2	60-130/25
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.0	100	19.2	96	4	60-130/25
100-41-4	Ethylbenzene	ND		20	20.4	102	19.8	99	3	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND		20	17.5	88	16.9	85	3	60-130/25

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C8422-7MS	N11031.D	1	11/19/09	TF	n/a	n/a	VN368
C8422-7MSD	N11032.D	1	11/20/09	TF	n/a	n/a	VN368
C8422-7	N11030.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Compound	C8422-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		80	70.6	88	68.8	86	3	60-130/25
87-68-3	Hexachlorobutadiene	ND		20	17.4	87	17.3	87	1	60-130/25
98-82-8	Isopropylbenzene	ND		20	21.1	106	20.6	103	2	60-130/25
99-87-6	p-Isopropyltoluene	ND		20	19.8	99	19.5	98	2	60-130/25
108-10-1	4-Methyl-2-pentanone	ND		80	77.4	97	75.7	95	2	60-130/25
74-83-9	Methyl bromide	ND		20	17.1	86	17.2	86	1	60-130/25
74-87-3	Methyl chloride	ND		20	16.5	83	15.7	79	5	60-130/25
74-95-3	Methylene bromide	ND		20	20.2	101	19.4	97	4	60-130/25
75-09-2	Methylene chloride	ND		20	17.6	88	17.2	86	2	60-130/25
78-93-3	Methyl ethyl ketone	ND		80	65.7	82	63.6	80	3	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND		20	17.6	88	17.3	87	2	60-130/25
91-20-3	Naphthalene	ND		20	18.5	93	18.3	92	1	60-130/25
103-65-1	n-Propylbenzene	ND		20	19.2	96	18.8	94	2	60-130/25
100-42-5	Styrene	ND		20	21.3	107	20.5	103	4	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND		20	17.8	89	17.1	86	4	60-130/25
75-65-0	Tert-Butyl Alcohol	ND		100	76.4	76	79.2	79	4	60-130/25
630-20-6	1,1,1,2-Tetrachloroethane	ND		20	22.1	111	21.3	107	4	60-130/25
71-55-6	1,1,1-Trichloroethane	ND		20	18.5	93	18.3	92	1	60-130/25
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	18.7	94	18.4	92	2	60-130/25
79-00-5	1,1,2-Trichloroethane	ND		20	20.6	103	19.8	99	4	60-130/25
87-61-6	1,2,3-Trichlorobenzene	ND		20	19.1	96	18.5	93	3	60-130/25
96-18-4	1,2,3-Trichloropropane	ND		20	18.4	92	17.7	89	4	60-130/25
120-82-1	1,2,4-Trichlorobenzene	ND		20	19.1	96	18.2	91	5	60-130/25
95-63-6	1,2,4-Trimethylbenzene	ND		20	19.5	98	18.9	95	3	60-130/25
108-67-8	1,3,5-Trimethylbenzene	ND		20	19.5	98	19.2	96	2	60-130/25
127-18-4	Tetrachloroethylene	ND		20	19.9	100	19.3	97	3	60-130/25
108-88-3	Toluene	ND		20	19.5	98	18.9	95	3	60-130/25
79-01-6	Trichloroethylene	ND		20	18.7	94	18.2	91	3	60-130/25
75-69-4	Trichlorofluoromethane	ND		20	17.2	86	16.7	84	3	60-130/25
75-01-4	Vinyl chloride	ND		20	20.7	104	19.1	96	8	60-130/25
1330-20-7	Xylene (total)	ND		60	64.1	107	61.9	103	3	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C8422-7	Limits
1868-53-7	Dibromofluoromethane	98%	98%	100%	60-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C8422-7MS	N11031.D	1	11/19/09	TF	n/a	n/a	VN368
C8422-7MSD	N11032.D	1	11/20/09	TF	n/a	n/a	VN368
C8422-7	N11030.D	1	11/19/09	TF	n/a	n/a	VN368

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7, C8422-8

CAS No.	Surrogate Recoveries	MS	MSD	C8422-7	Limits
2037-26-5	Toluene-D8	105%	103%	106%	60-130%
460-00-4	4-Bromofluorobenzene	97%	97%	91%	60-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11024.D Vial: 25
Acq On : 19 Nov 2009 8:21 pm Operator: TitiaF
Sample : C8422-1 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:37 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

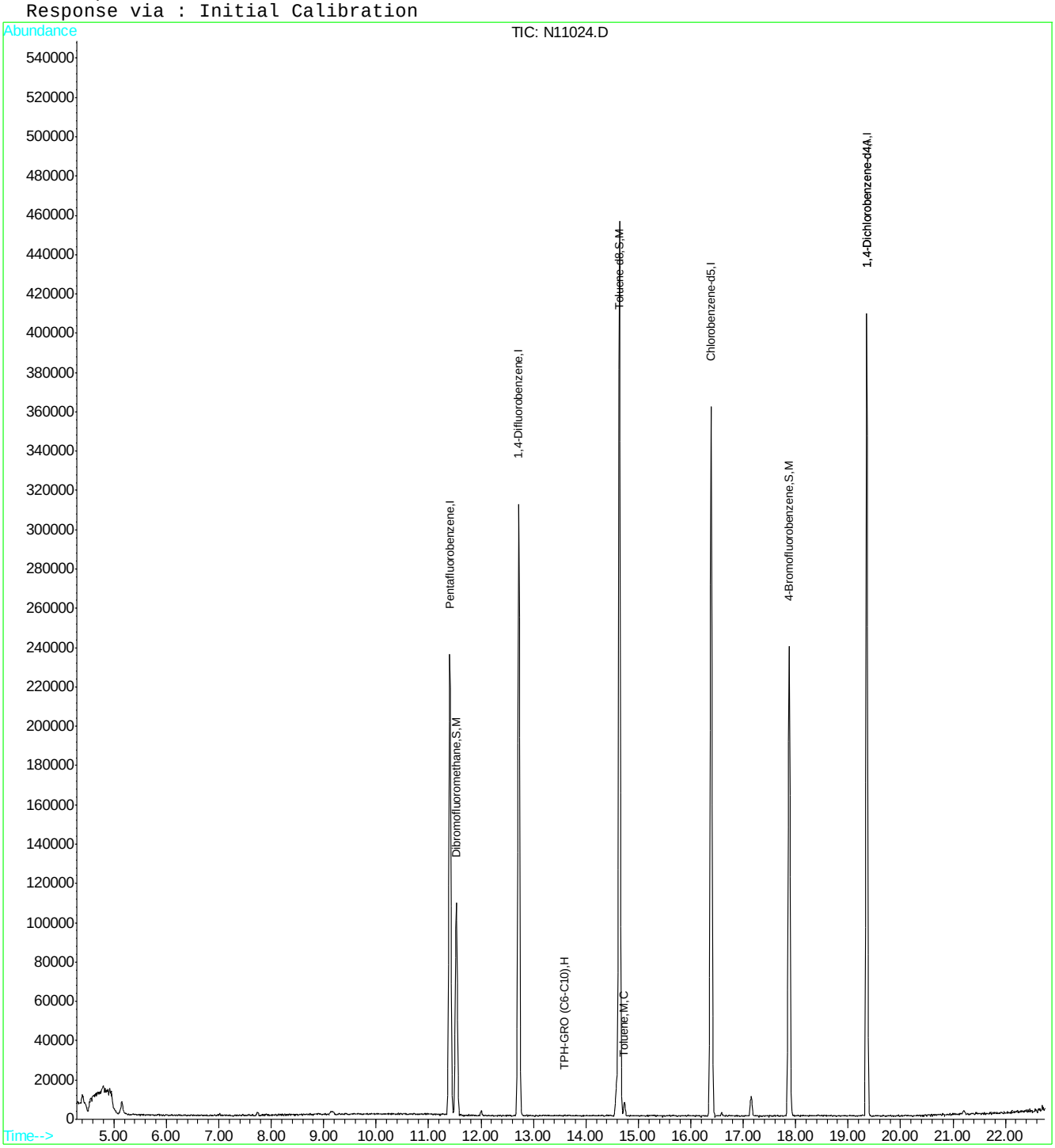
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	2210131	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3483934	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2919553	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1401781	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1401781	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	987133	9.92	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%			
56) Toluene-d8	14.64	98	4245846	10.67	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.70%			
74) 4-Bromofluorobenzene	17.87	95	1412975	9.30	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.00%			
Target Compounds						Qvalue
57) Toluene	14.73	92	48819	0.11	ppb	95
99) TPH-GRO (C6-C10)	13.59	TIC	720273m	1.01	ppb	

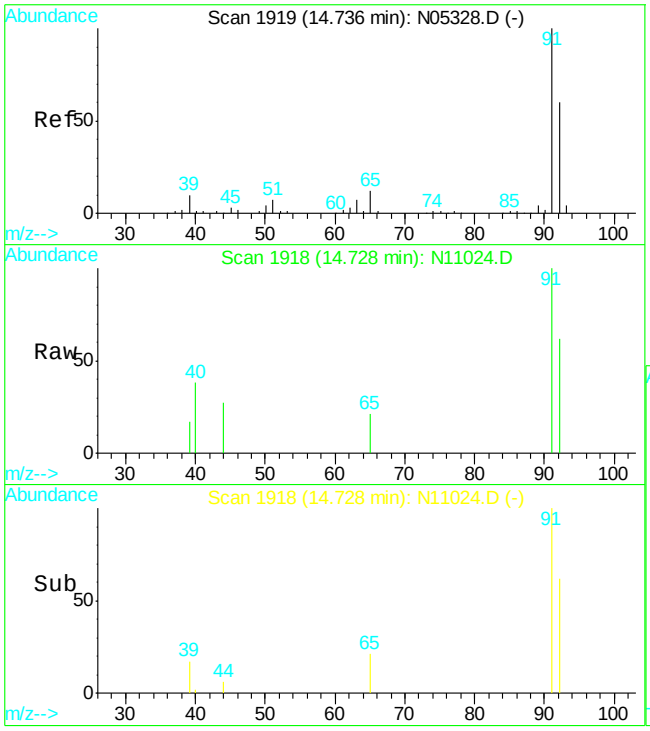
(#) = qualifier out of range (m) = manual integration
N11024.D VN360W.M Fri Nov 20 14:37:26 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11024.D Vial: 25
Acq On : 19 Nov 2009 8:21 pm Operator: TitiaF
Sample : C8422-1 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:37 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

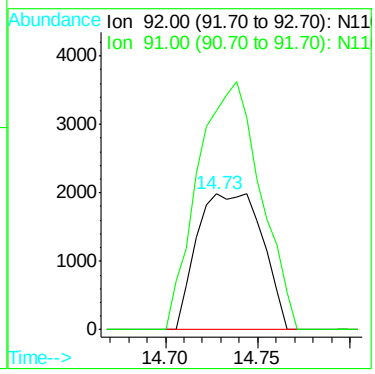


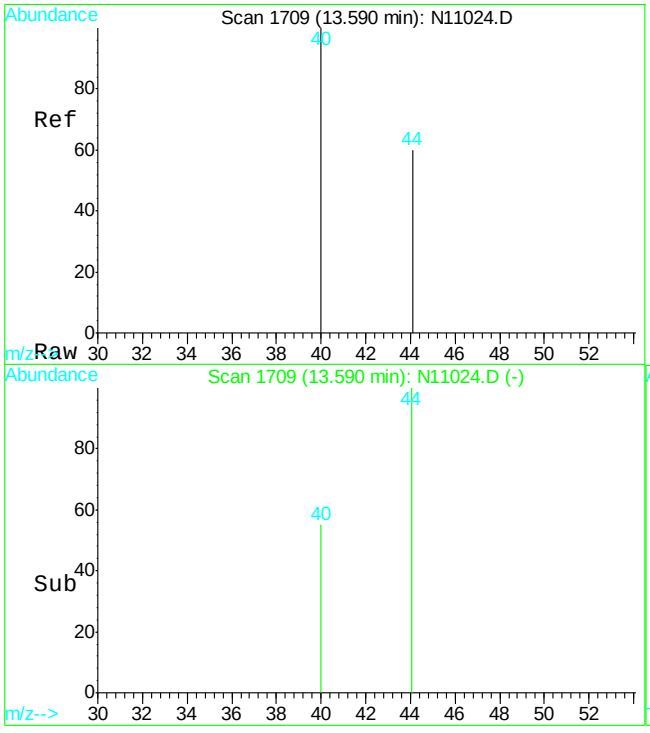


#57
Toluene
Concen: 0.11 ppb
RT: 14.73 min Scan# 1918
Delta R.T. -0.01 min
Lab File: N11024.D
Acq: 19 Nov 2009 8:21 pm

Tgt Ion: 92 Resp: 48819

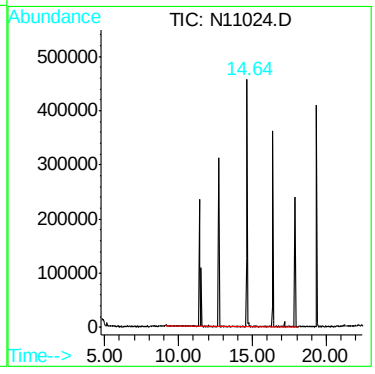
Ion	Ratio	Lower	Upper
92	100		
91	174.5	147.3	187.3





#99
TPH-GRO (C6-C10)
Concen: 1.01 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11024.D
Acq: 19 Nov 2009 8:21 pm

Tgt Ion:TIC Resp: 720273



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11025.D Vial: 26
Acq On : 19 Nov 2009 8:50 pm Operator: TitiaF
Sample : C8422-2 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:38 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

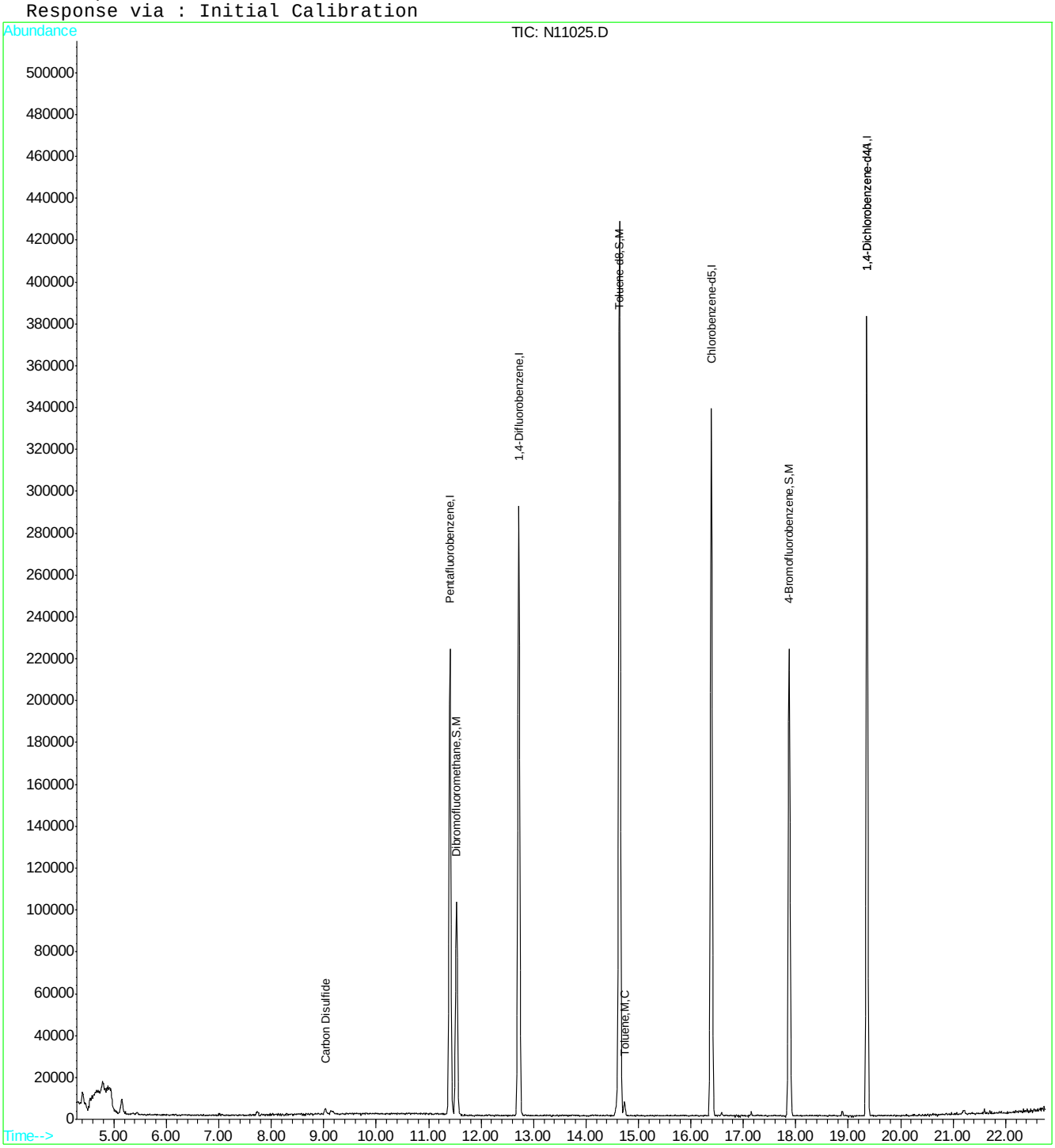
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	2095287	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3272788	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2732215	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1319506	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1319506	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	931580	9.88	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%			
56) Toluene-d8	14.64	98	3994023	10.72	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.20%			
74) 4-Bromofluorobenzene	17.87	95	1314870	9.25	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.50%			
Target Compounds						Qvalue
20) Carbon Disulfide	9.03	76	59041	0.13	ppb	# 75
57) Toluene	14.73	92	50271	0.12	ppb	96
99) TPH-GRO (C6-C10)	13.59	TIC	-357917m	Below Cal		

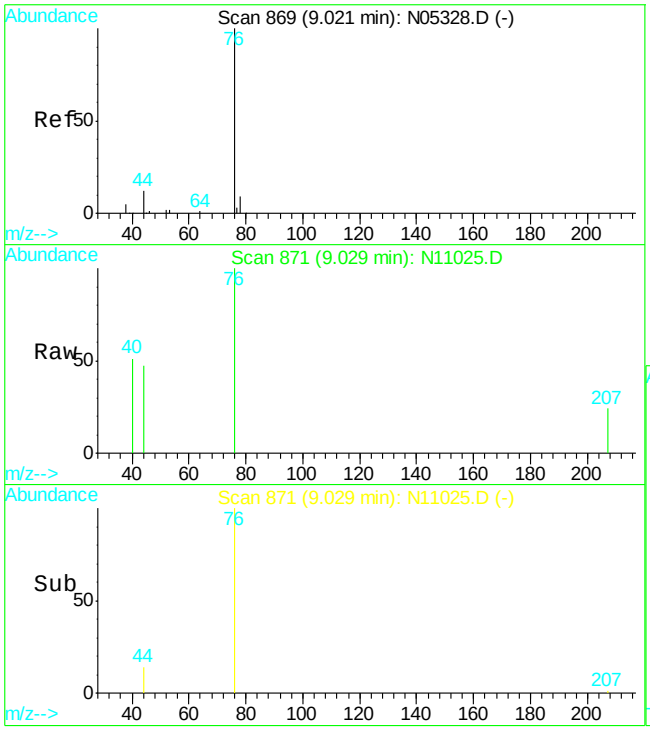
(#) = qualifier out of range (m) = manual integration
N11025.D VN360W.M Fri Nov 20 14:38:24 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11025.D Vial: 26
Acq On : 19 Nov 2009 8:50 pm Operator: TitiaF
Sample : C8422-2 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:38 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

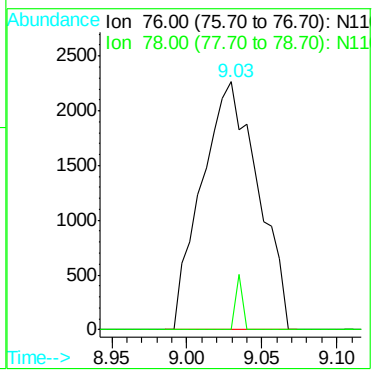


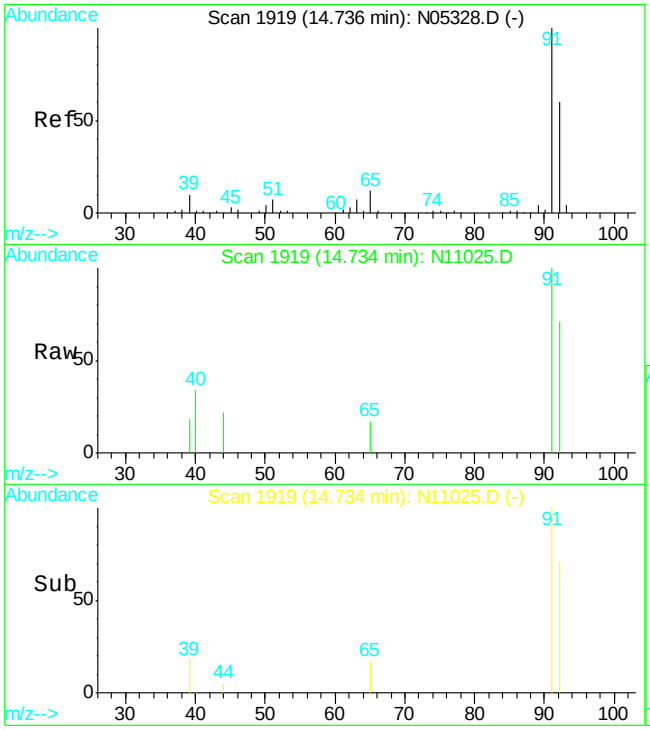


#20
Carbon Disulfide
Concen: 0.13 ppb
RT: 9.03 min Scan# 871
Delta R.T. 0.00 min
Lab File: N11025.D
Acq: 19 Nov 2009 8:50 pm

Tgt Ion: 76 Resp: 59041

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.4	11.0#

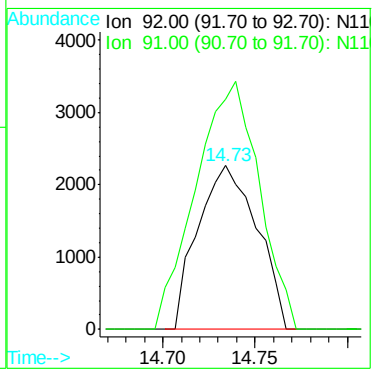


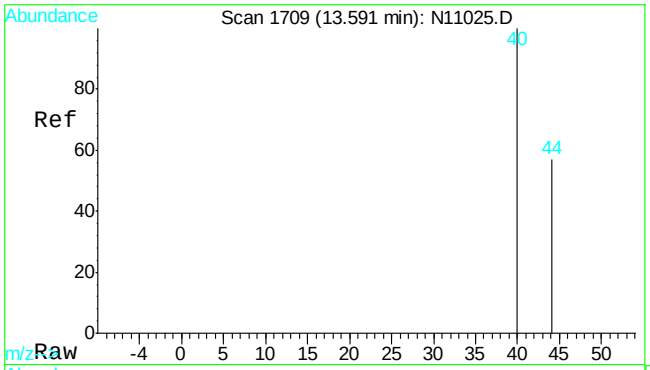


#57
Toluene
Concen: 0.12 ppb
RT: 14.73 min Scan# 1919
Delta R.T. 0.00 min
Lab File: N11025.D
Acq: 19 Nov 2009 8:50 pm

Tgt Ion: 92 Resp: 50271

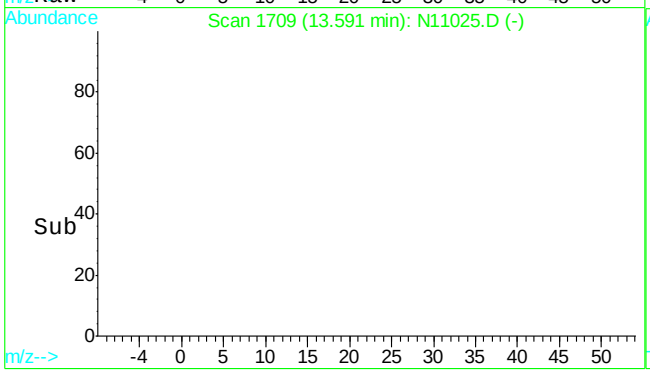
Ion	Ratio	Lower	Upper
92	100		
91	162.3	147.3	187.3

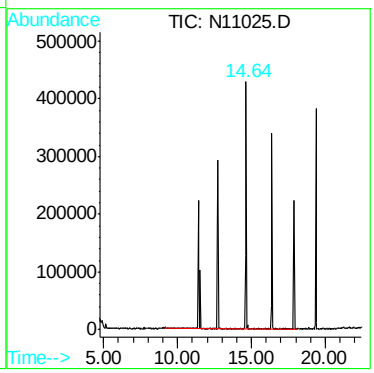




#99
TPH-GRO (C6-C10)
Concen: Below Cal m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11025.D
Acq: 19 Nov 2009 8:50 pm

Tgt Ion:TIC Resp: -357917





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11026.D Vial: 27
Acq On : 19 Nov 2009 9:19 pm Operator: TitiaF
Sample : C8422-3 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:38 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

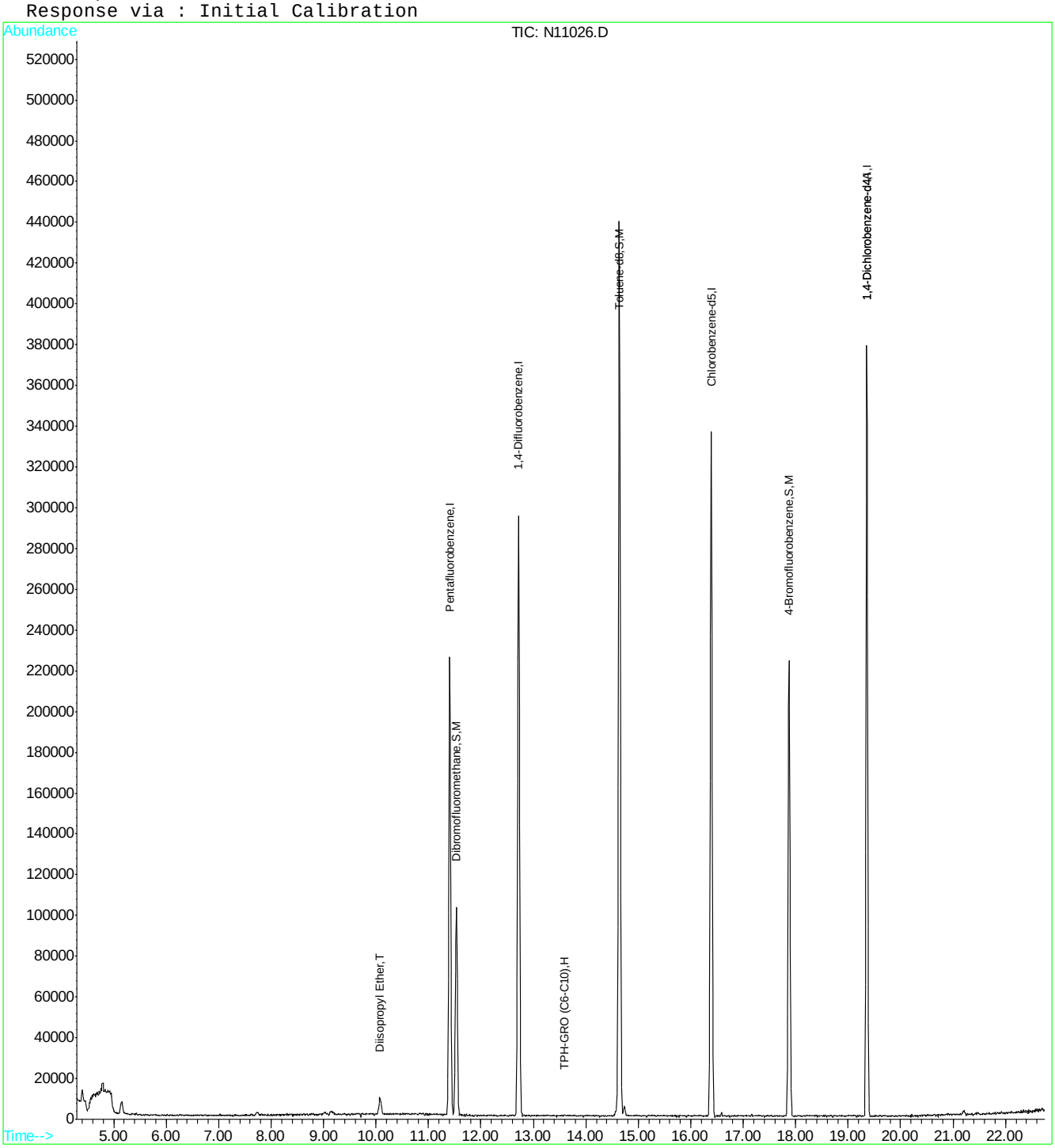
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	2119977	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3307449	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2747219	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1305499	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1305499	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	928973	9.73	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.30%			
56) Toluene-d8	14.64	98	4042959	10.79	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%			
74) 4-Bromofluorobenzene	17.87	95	1315285	9.20	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.00%			
Target Compounds						Qvalue
23) Diisopropyl Ether	10.08	45	125064	0.22	ppb	# 88
99) TPH-GRO (C6-C10)	13.59	TIC	162552m	0.24	ppb	

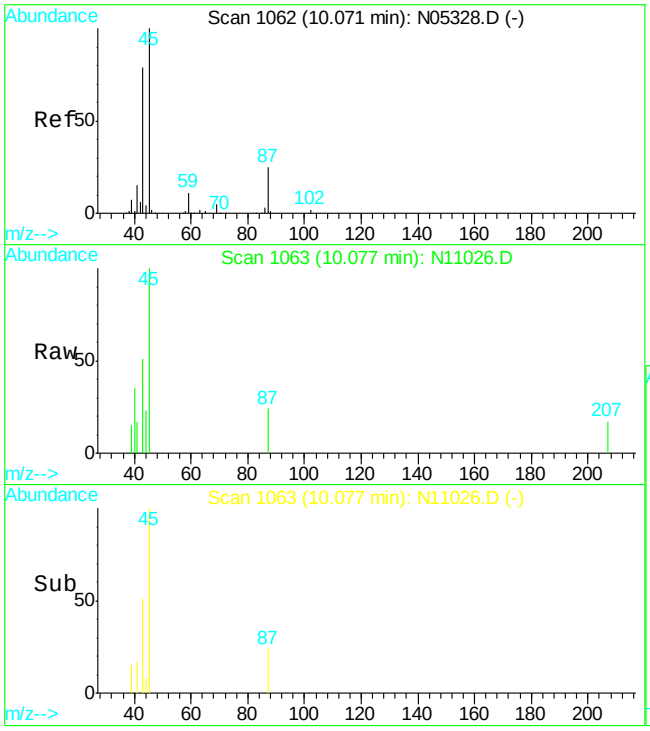
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11026.D Vial: 27
Acq On : 19 Nov 2009 9:19 pm Operator: TitiaF
Sample : C8422-3 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:38 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

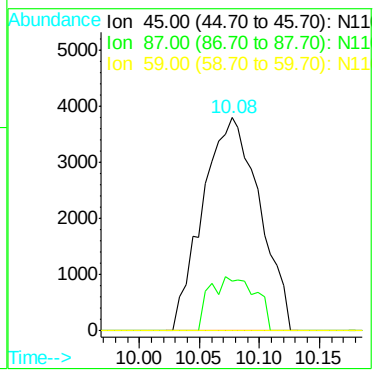


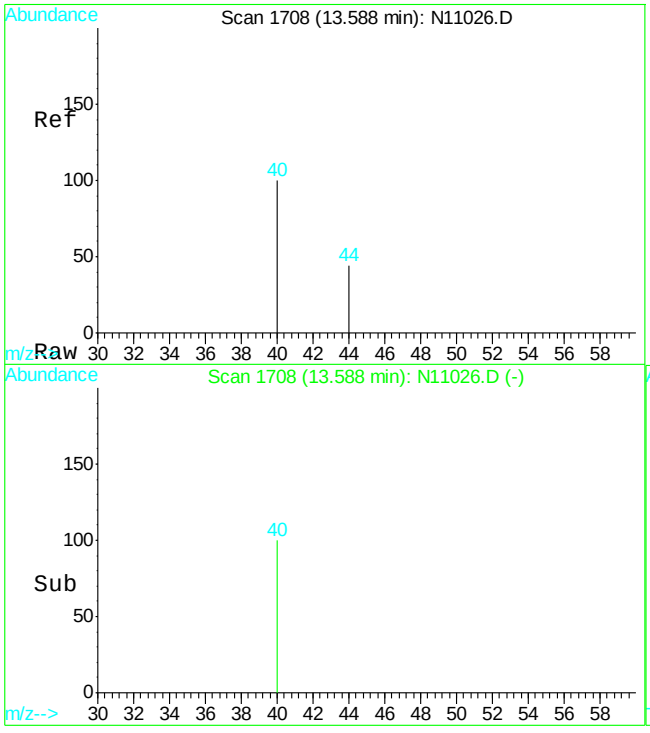


#23
Diisopropyl Ether
Concen: 0.22 ppb
RT: 10.08 min Scan# 1063
Delta R.T. 0.00 min
Lab File: N11026.D
Acq: 19 Nov 2009 9:19 pm

Tgt Ion: 45 Resp: 125064

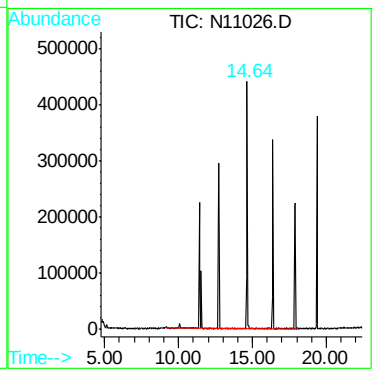
Ion	Ratio	Lower	Upper
45	100		
87	20.4	0.0	78.8
59	0.0	0.0	42.0





#99
TPH-GRO (C6-C10)
Concen: 0.24 ppb m
RT: 13.59 min Scan# 1708
Delta R.T. 0.00 min
Lab File: N11026.D
Acq: 19 Nov 2009 9:19 pm

Tgt Ion:TIC Resp: 162552



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11027.D Vial: 28
Acq On : 19 Nov 2009 9:48 pm Operator: TitiaF
Sample : C8422-4 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:40 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

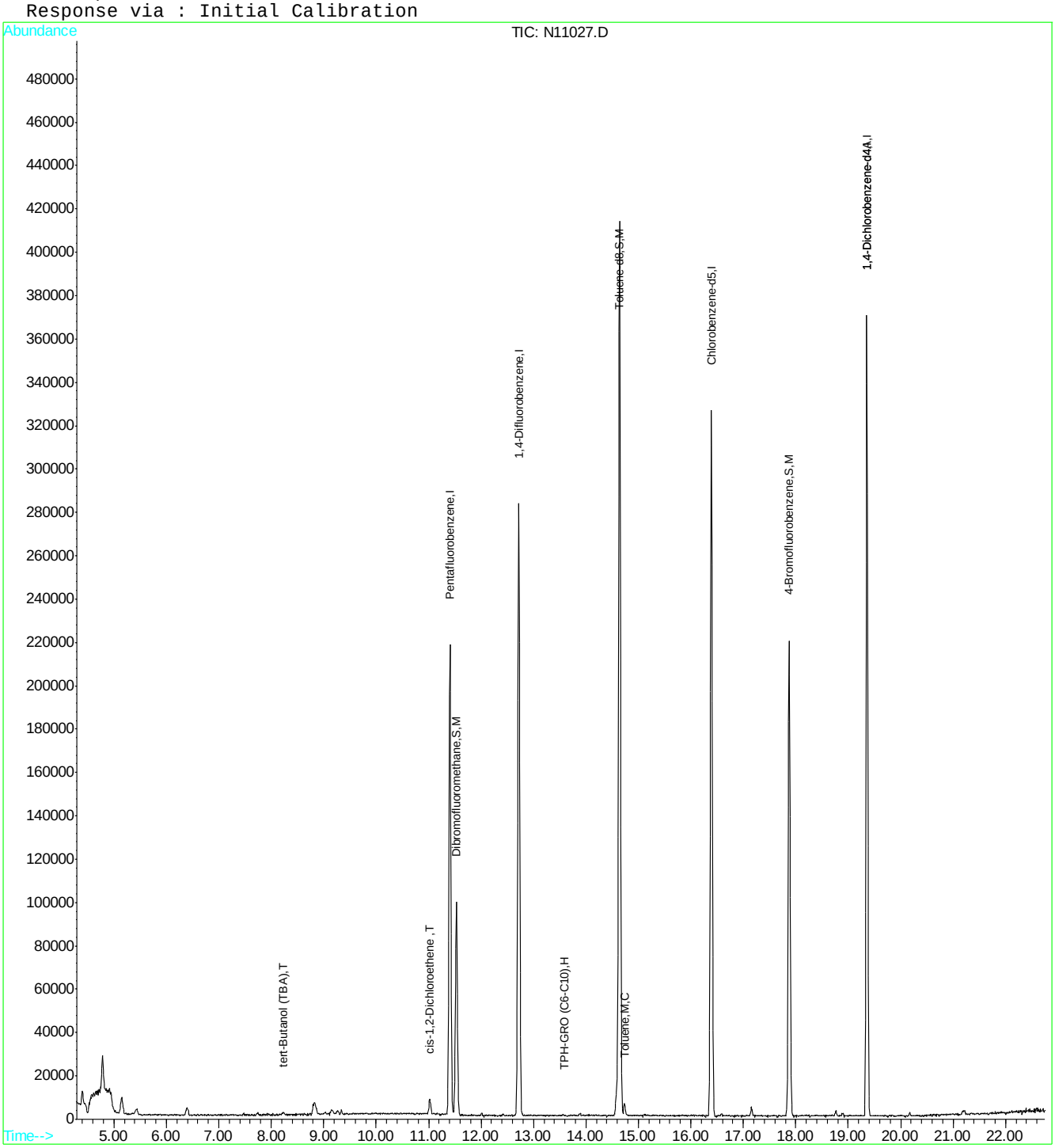
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.40	168	2031129	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3210730	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2621086	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1256271	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1256271	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	903295	9.88	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%			
56) Toluene-d8	14.64	98	3893797	10.90	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.00%			
74) 4-Bromofluorobenzene	17.88	95	1268467	9.30	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.00%			
Target Compounds						Qvalue
14) tert-Butanol (TBA)	8.21	59	26768	2.44	ppb	# 76
34) cis-1,2-Dichloroethene	11.02	96	54461	0.31	ppb	# 76
57) Toluene	14.73	92	41908	0.11	ppb	89
99) TPH-GRO (C6-C10)	13.59	TIC	882209m	1.38	ppb	

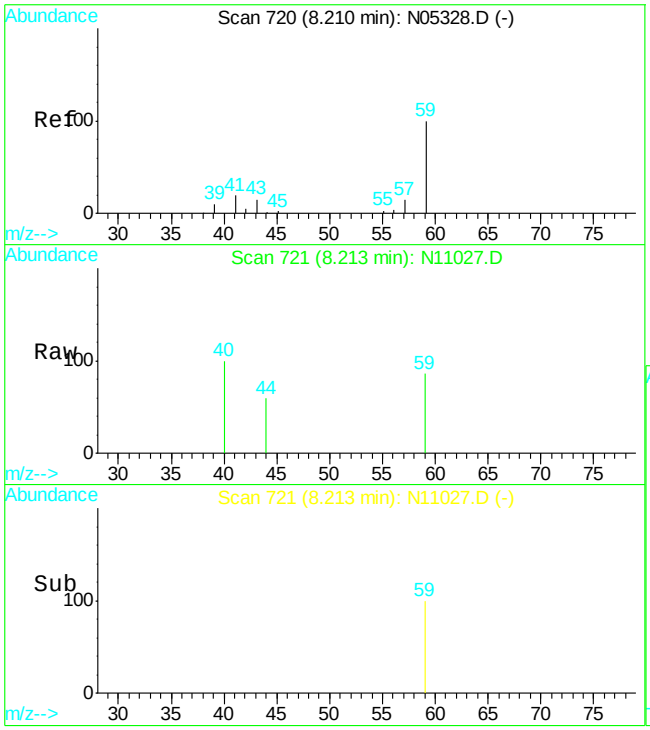
(#) = qualifier out of range (m) = manual integration
N11027.D VN360W.M Fri Nov 20 14:41:10 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11027.D Vial: 28
Acq On : 19 Nov 2009 9:48 pm Operator: TitiaF
Sample : C8422-4 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:40 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

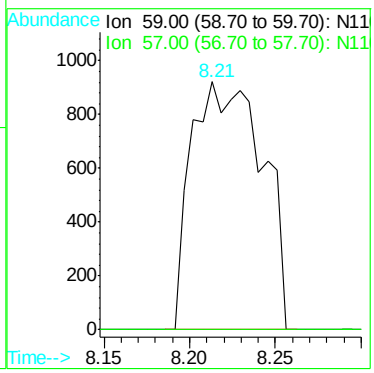


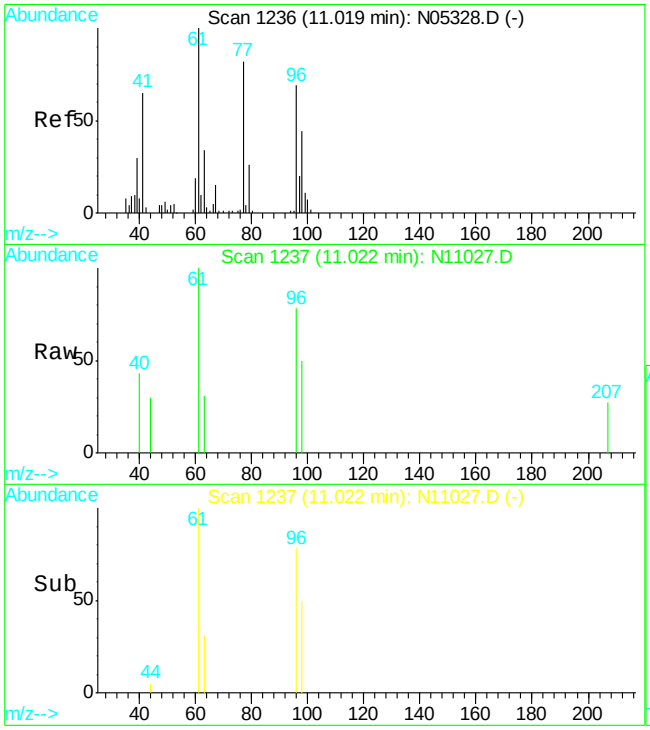


#14
tert-Butanol (TBA)
Concen: 2.44 ppb
RT: 8.21 min Scan# 721
Delta R.T. 0.00 min
Lab File: N11027.D
Acq: 19 Nov 2009 9:48 pm

Tgt Ion: 59 Resp: 26768

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.3	12.3#

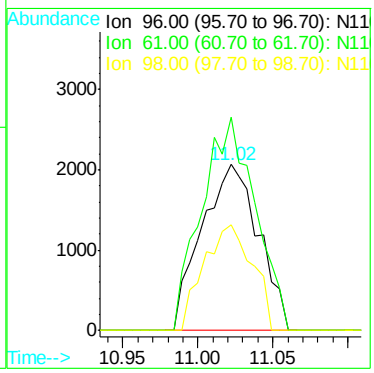


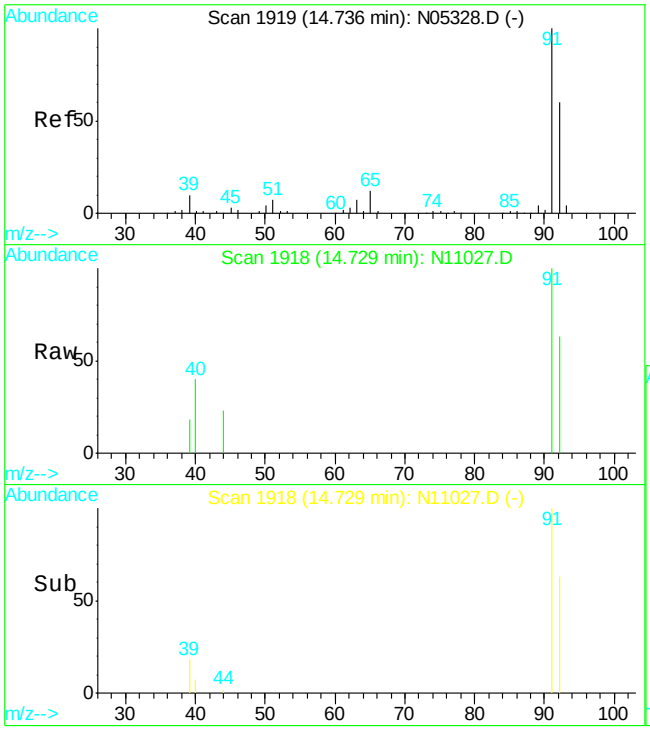


#34
cis-1,2-Dichloroethene
Concen: 0.31 ppb
RT: 11.02 min Scan# 1237
Delta R.T. 0.00 min
Lab File: N11027.D
Acq: 19 Nov 2009 9:48 pm

Tgt Ion: 96 Resp: 54461

Ion	Ratio	Lower	Upper
96	100		
61	121.6	140.0	180.0#
98	54.4	43.7	83.7

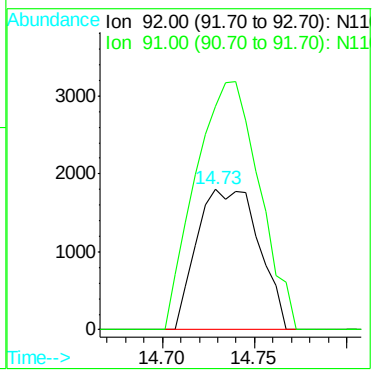


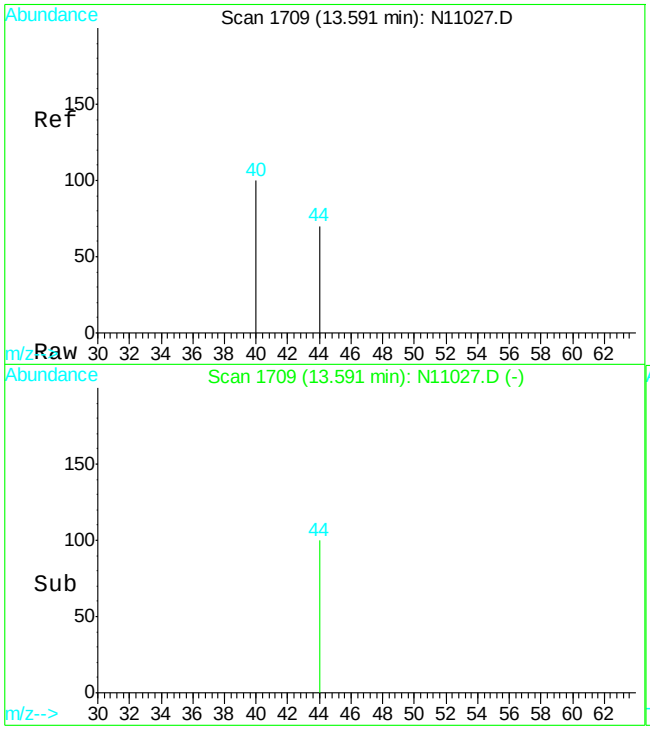


#57
Toluene
Concen: 0.11 ppb
RT: 14.73 min Scan# 1918
Delta R.T. -0.00 min
Lab File: N11027.D
Acq: 19 Nov 2009 9:48 pm

Tgt Ion: 92 Resp: 41908

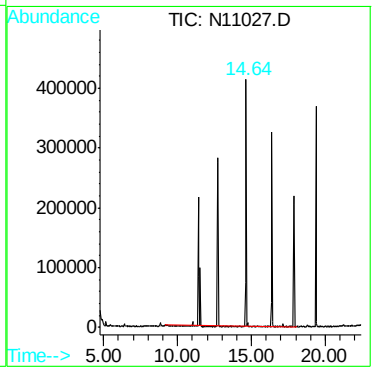
Ion	Ratio	Lower	Upper
92	100		
91	181.9	147.3	187.3





#99
TPH-GRO (C6-C10)
Concen: 1.38 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11027.D
Acq: 19 Nov 2009 9:48 pm

Tgt Ion:TIC Resp: 882209



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11028.D Vial: 29
Acq On : 19 Nov 2009 10:17 pm Operator: TitiaF
Sample : C8422-5 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:42 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

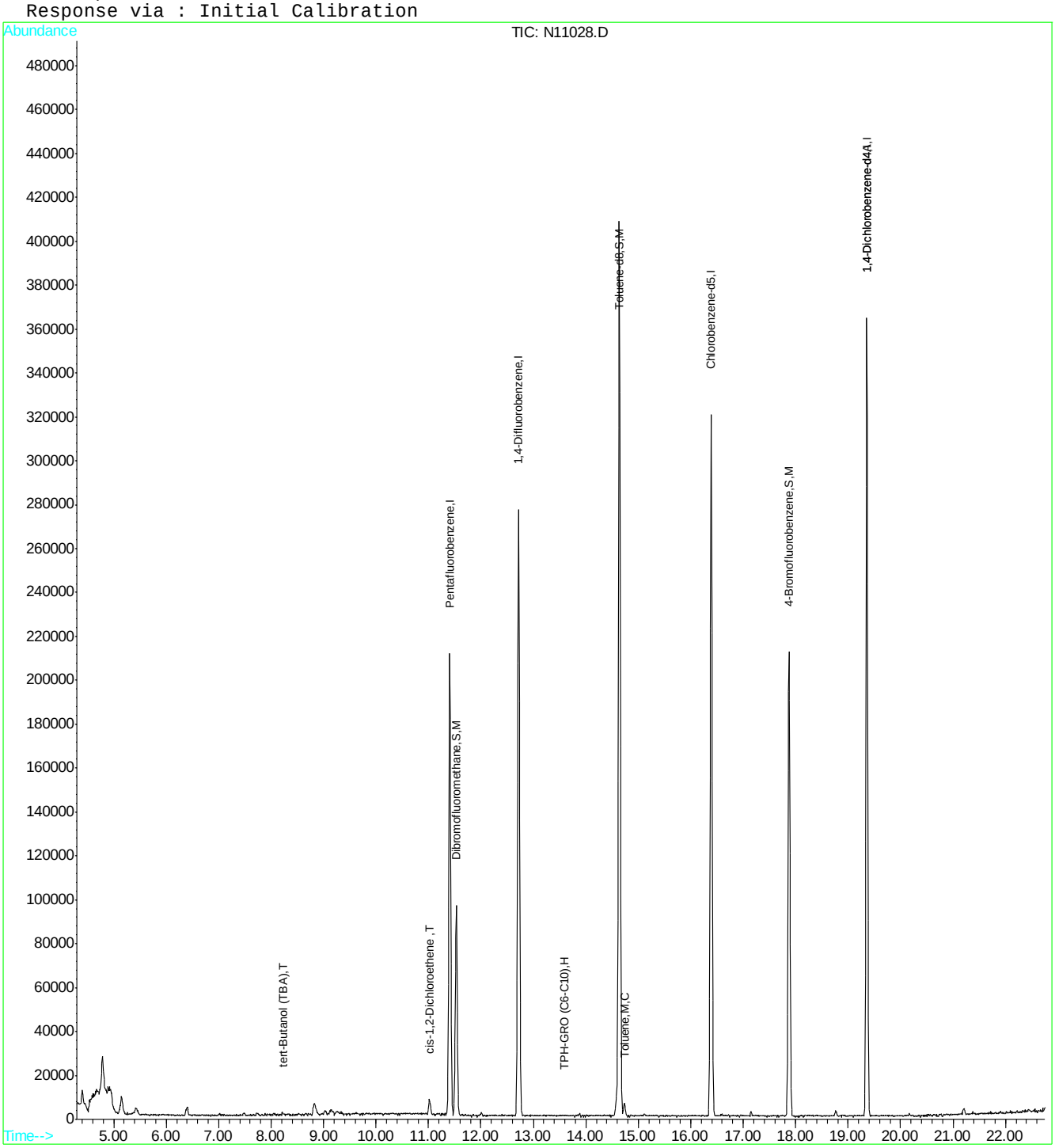
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	1979332	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3108618	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2589481	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1232288	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1232288	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	870843	9.77	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
56) Toluene-d8	14.64	98	3778531	10.70	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.00%			
74) 4-Bromofluorobenzene	17.88	95	1233930	9.16	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.60%			
Target Compounds						Qvalue
14) tert-Butanol (TBA)	8.22	59	23010	2.15	ppb	# 76
34) cis-1,2-Dichloroethene	11.02	96	47951	0.28	ppb	# 80
57) Toluene	14.74	92	41928	0.11	ppb	# 81
99) TPH-GRO (C6-C10)	13.59	TIC	589073m	0.94	ppb	

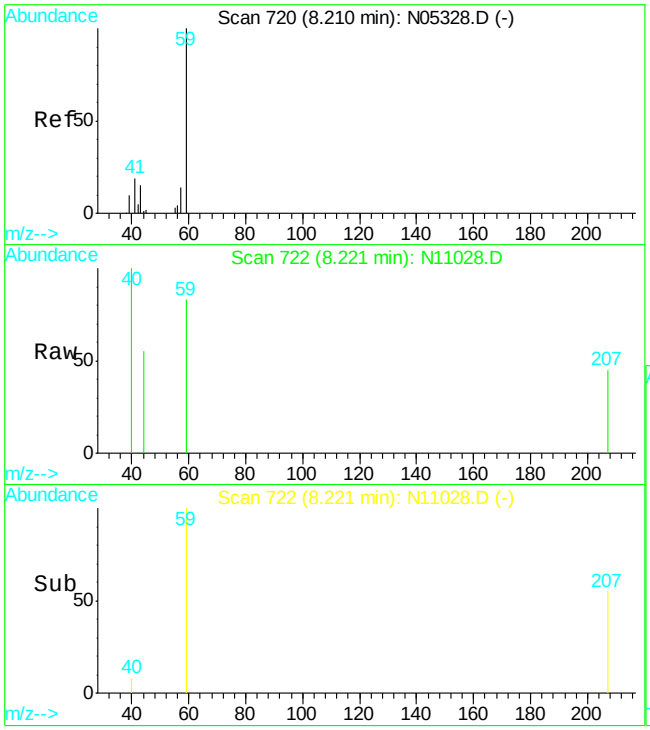
(#) = qualifier out of range (m) = manual integration
N11028.D VN360W.M Fri Nov 20 14:42:29 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11028.D Vial: 29
Acq On : 19 Nov 2009 10:17 pm Operator: TitiaF
Sample : C8422-5 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:42 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

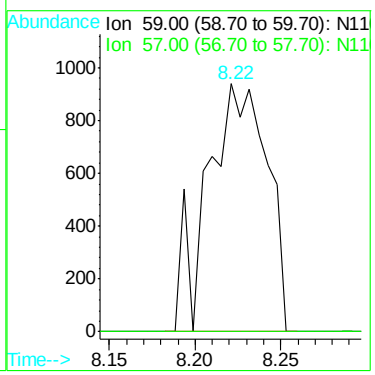


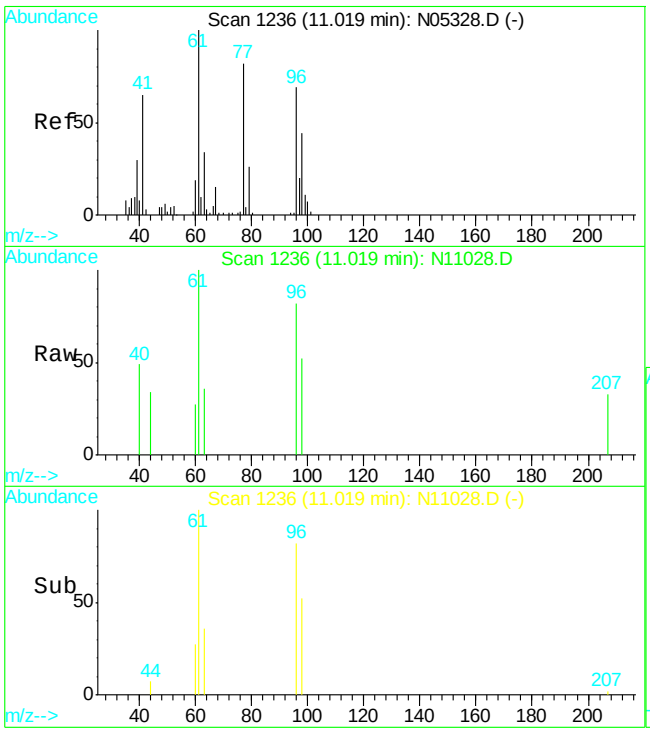


#14
tert-Butanol (TBA)
Concen: 2.15 ppb
RT: 8.22 min Scan# 722
Delta R.T. 0.01 min
Lab File: N11028.D
Acq: 19 Nov 2009 10:17 pm

Tgt Ion: 59 Resp: 23010

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.3	12.3#

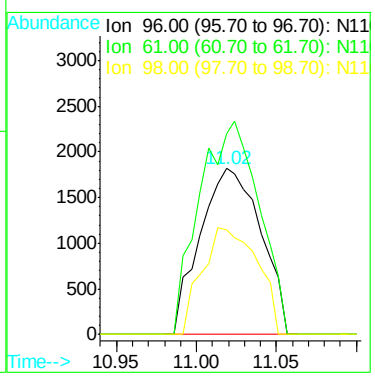


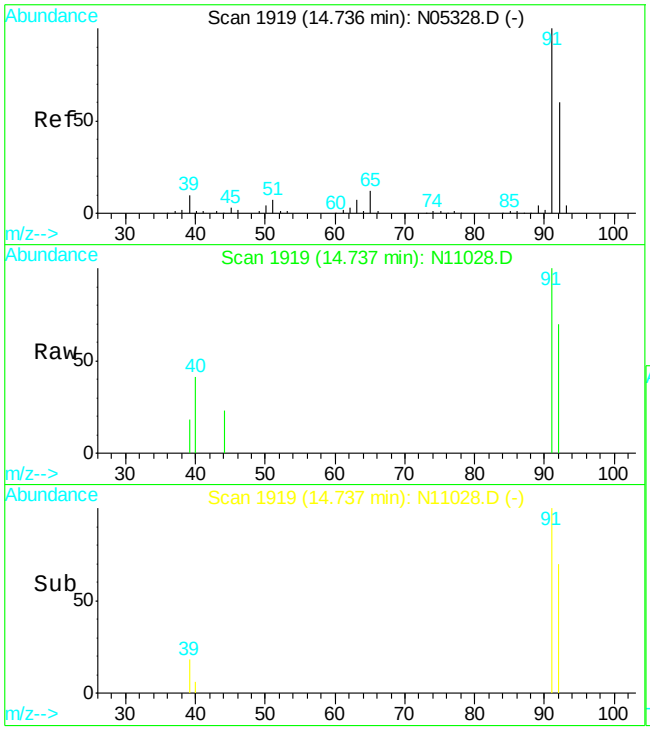


#34
cis-1,2-Dichloroethene
Concen: 0.28 ppb
RT: 11.02 min Scan# 1236
Delta R.T. -0.00 min
Lab File: N11028.D
Acq: 19 Nov 2009 10:17 pm

Tgt Ion: 96 Resp: 47951

Ion	Ratio	Lower	Upper
96	100		
61	126.5	140.0	180.0#
98	58.4	43.7	83.7

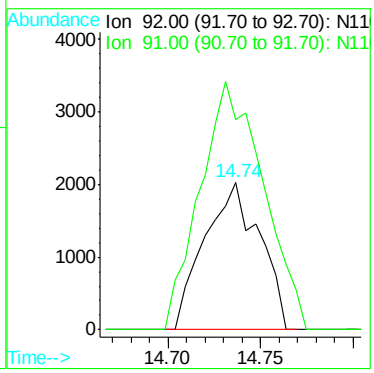


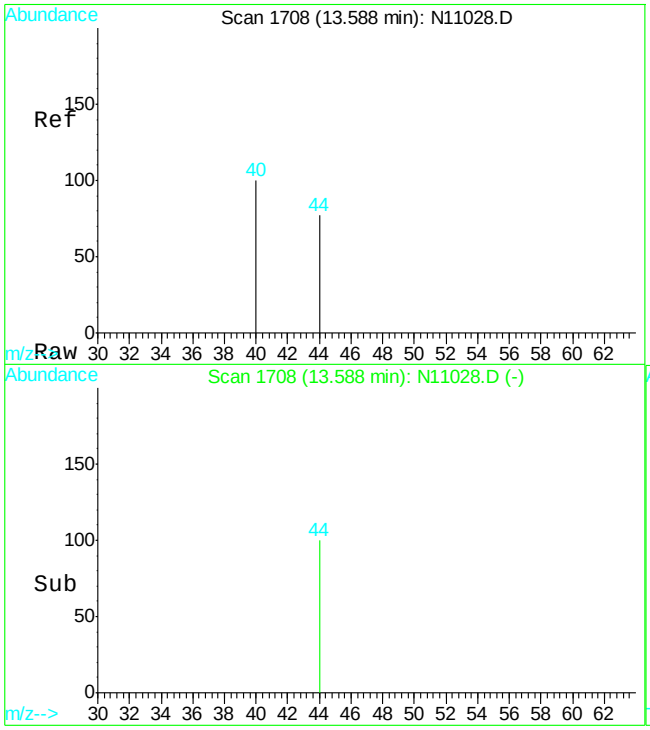


#57
Toluene
Concen: 0.11 ppb
RT: 14.74 min Scan# 1919
Delta R.T. 0.00 min
Lab File: N11028.D
Acq: 19 Nov 2009 10:17 pm

Tgt Ion: 92 Resp: 41928

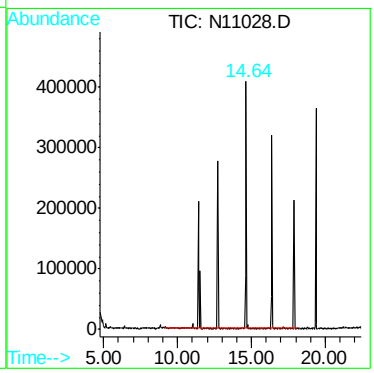
Ion	Ratio	Lower	Upper
92	100		
91	192.8	147.3	187.3#





#99
TPH-GRO (C6-C10)
Concen: 0.94 ppb m
RT: 13.59 min Scan# 1708
Delta R.T. 0.00 min
Lab File: N11028.D
Acq: 19 Nov 2009 10:17 pm

Tgt Ion:TIC Resp: 589073



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11029.D Vial: 30
Acq On : 19 Nov 2009 10:46 pm Operator: TitiaF
Sample : C8422-6 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:46 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

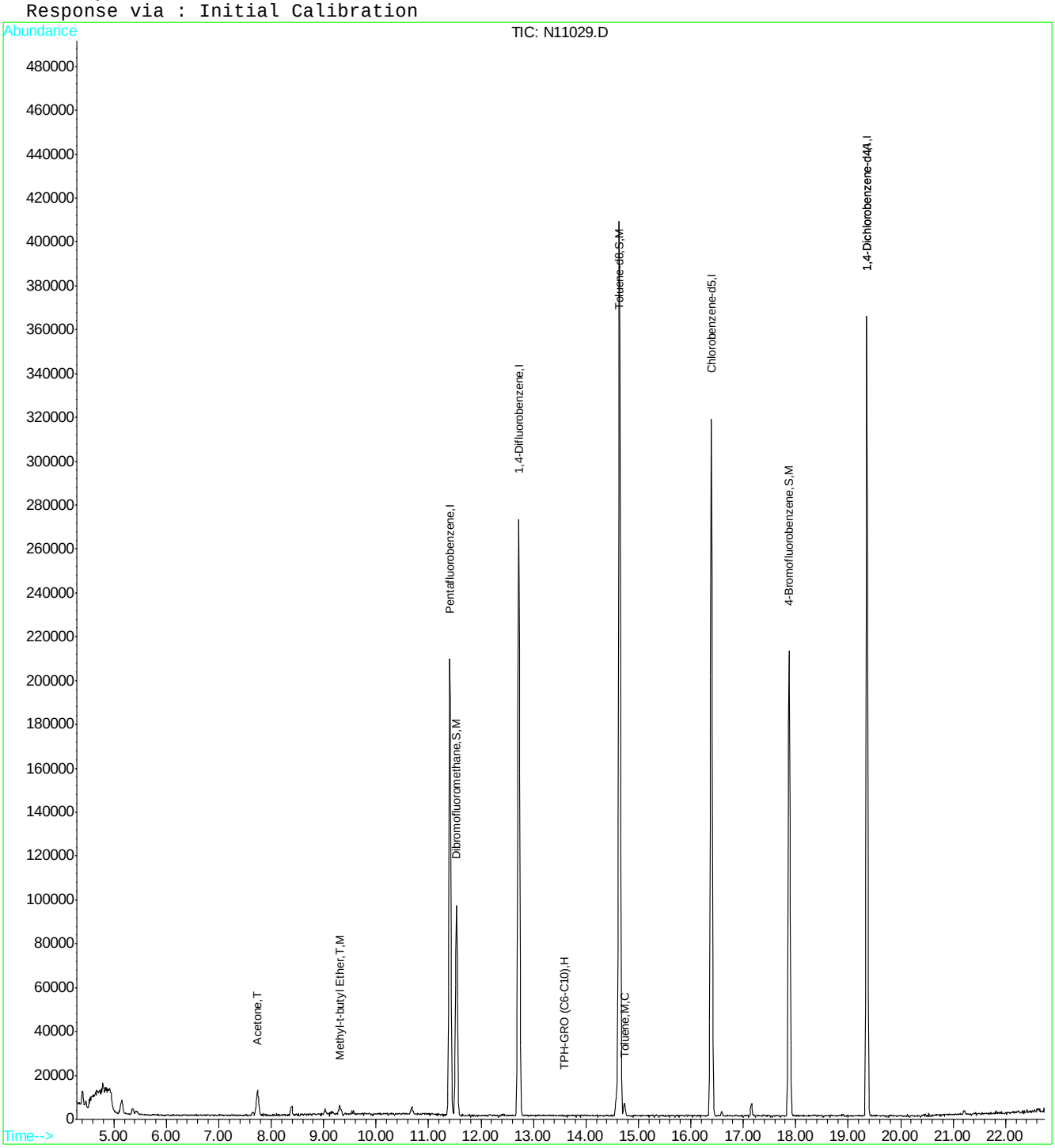
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	11.40	168	1966883	10.00	ppb		0.00
40) 1,4-Difluorobenzene	12.72	114	3116966	10.00	ppb		0.00
55) Chlorobenzene-d5	16.39	117	2612441	10.00	ppb		0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1241416	10.00	ppb		0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1241416	10.00	ppb		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	11.53	111	876807	9.90	ppb		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.00%				
56) Toluene-d8	14.64	98	3828745	10.75	ppb		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.50%				
74) 4-Bromofluorobenzene	17.88	95	1237533	9.11	ppb		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.10%				
Target Compounds							Qvalue
11) Acetone	7.74	58	81375	9.86	ppb		95
21) Methyl-t-butyl Ether	9.32	73	83085	0.25	ppb	#	51
57) Toluene	14.74	92	44162	0.11	ppb		90
99) TPH-GRO (C6-C10)	13.59	TIC	914623m	1.45	ppb		

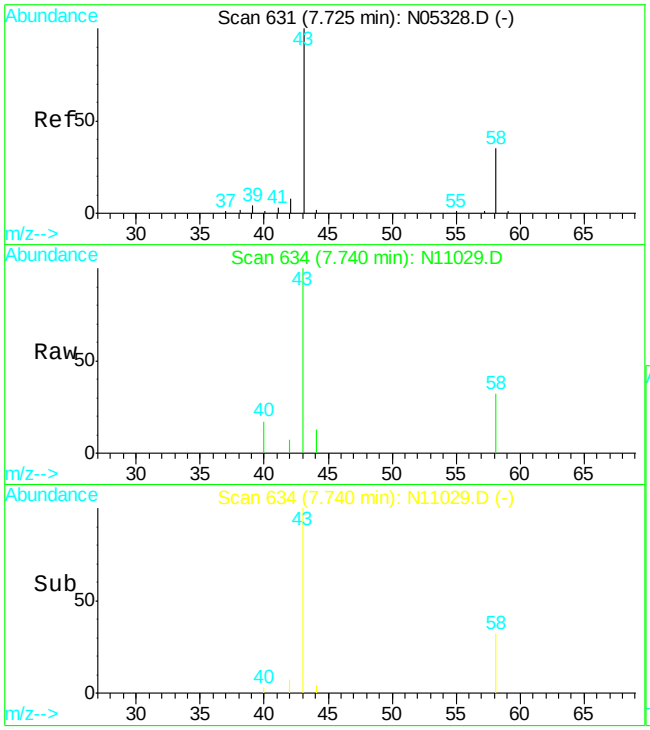
(#) = qualifier out of range (m) = manual integration
N11029.D VN360W.M Fri Nov 20 14:47:21 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11029.D Vial: 30
Acq On : 19 Nov 2009 10:46 pm Operator: TitiaF
Sample : C8422-6 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:46 2009 Quant Results File: VN360W.RES

Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

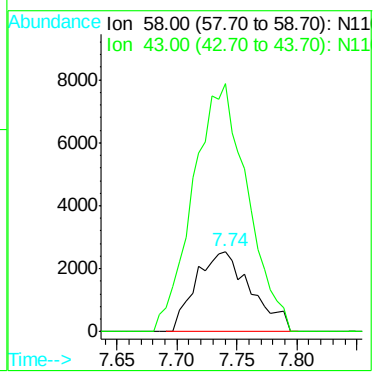


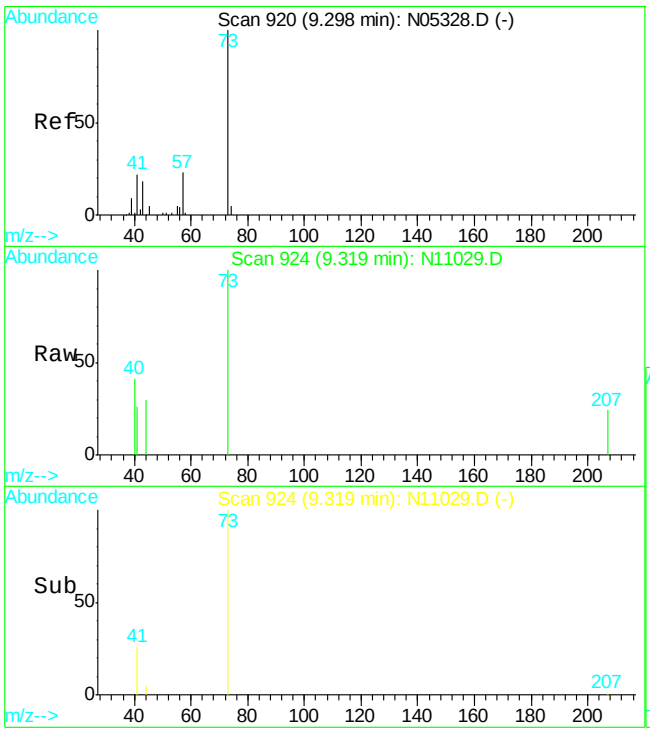


#11
Acetone
Concen: 9.86 ppb
RT: 7.74 min Scan# 634
Delta R.T. 0.01 min
Lab File: N11029.D
Acq: 19 Nov 2009 10:46 pm

Tgt Ion: 58 Resp: 81375

Ion	Ratio	Lower	Upper
58	100		
43	305.5	253.2	379.8

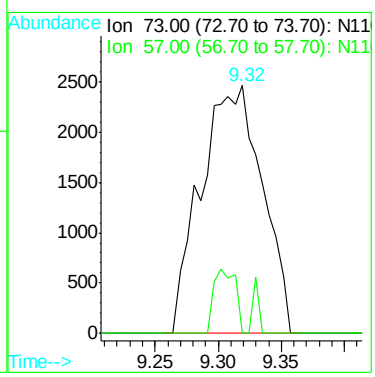


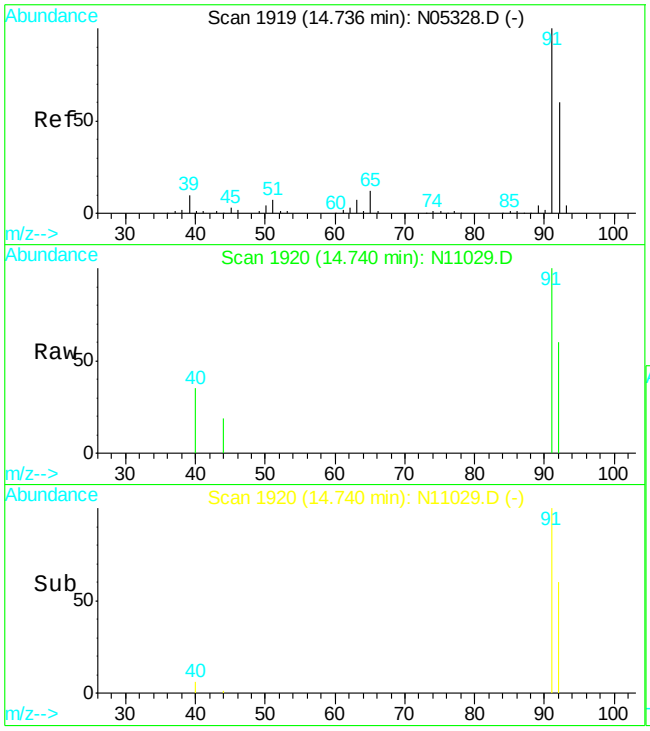


#21
Methyl-t-butyl Ether
Concen: 0.25 ppb
RT: 9.32 min Scan# 924
Delta R.T. 0.01 min
Lab File: N11029.D
Acq: 19 Nov 2009 10:46 pm

Tgt Ion: 73 Resp: 83085

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.2	32.0#

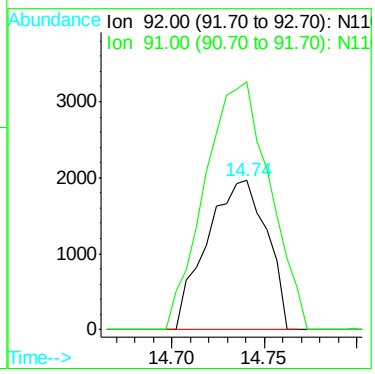


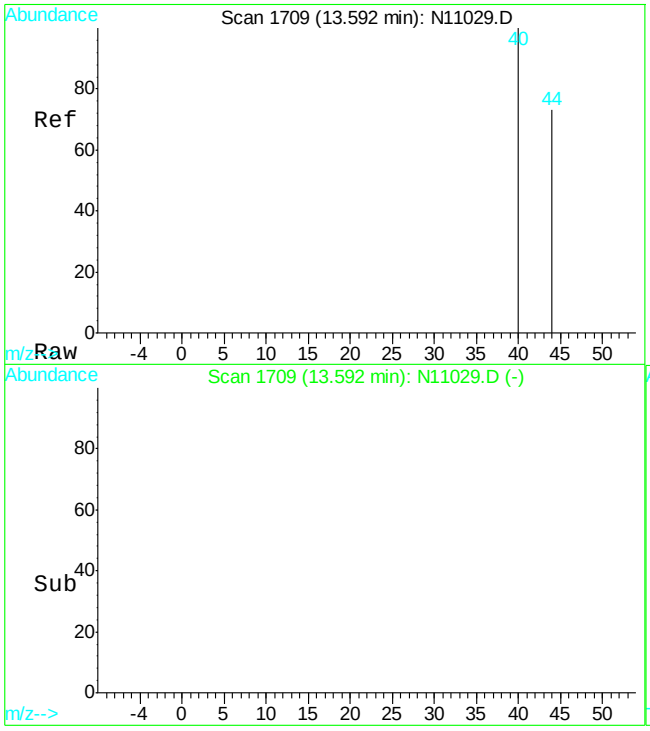


#57
Toluene
Concen: 0.11 ppb
RT: 14.74 min Scan# 1920
Delta R.T. 0.01 min
Lab File: N11029.D
Acq: 19 Nov 2009 10:46 pm

Tgt Ion: 92 Resp: 44162

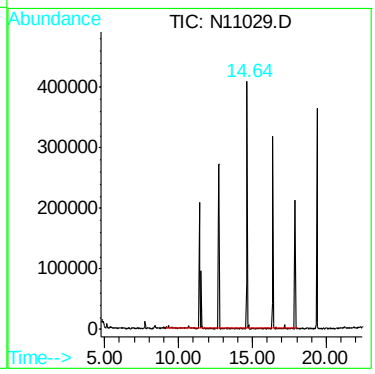
Ion	Ratio	Lower	Upper
92	100		
91	180.5	147.3	187.3





#99
TPH-GRO (C6-C10)
Concen: 1.45 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11029.D
Acq: 19 Nov 2009 10:46 pm

Tgt Ion:TIC Resp: 914623



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11030.D Vial: 31
Acq On : 19 Nov 2009 11:15 pm Operator: TitiaF
Sample : C8422-7 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:48 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

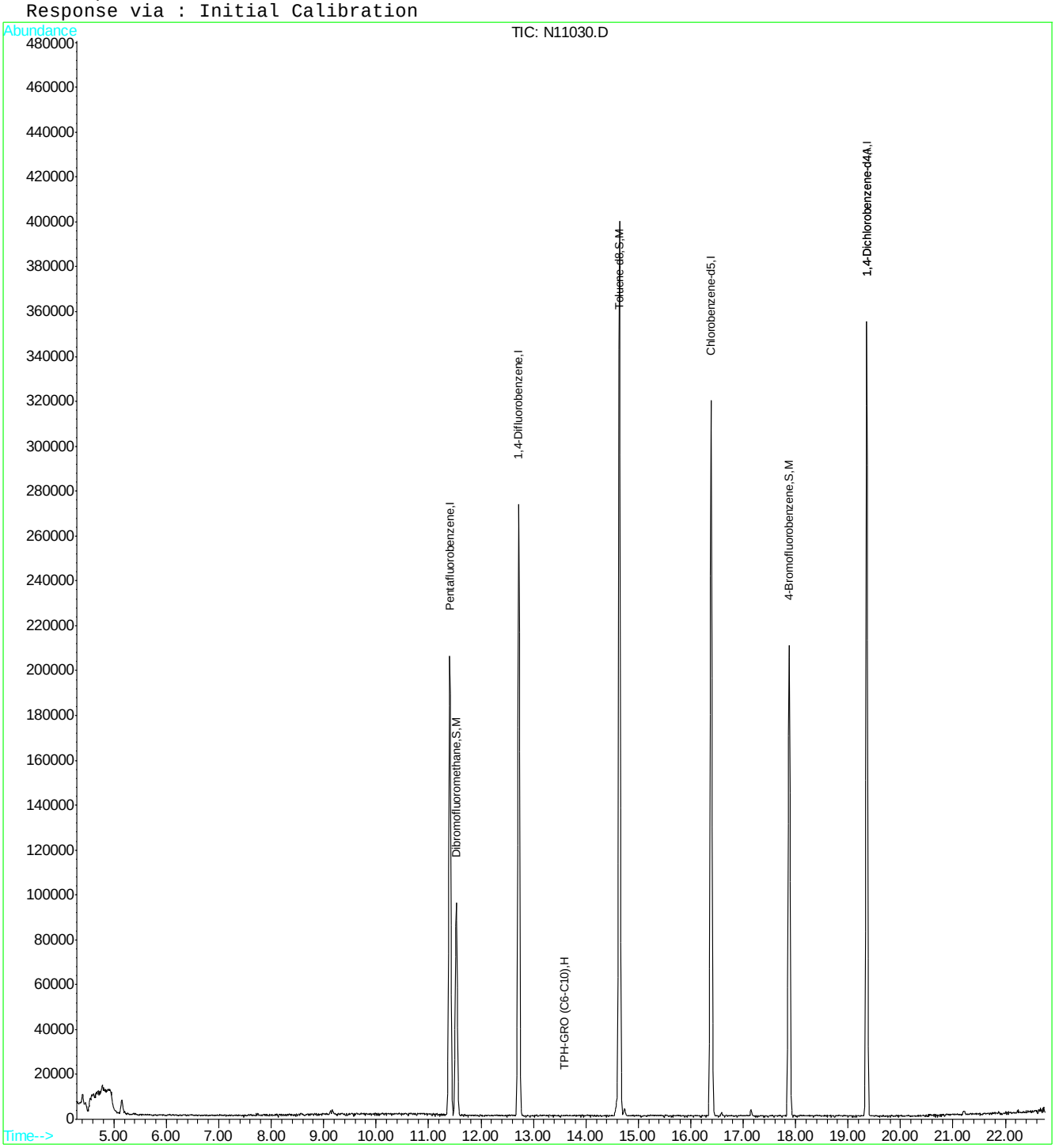
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	1934011	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3074033	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2576101	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1227744	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1227744	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	869481	9.99	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.90%			
56) Toluene-d8	14.64	98	3739188	10.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.50%			
74) 4-Bromofluorobenzene	17.87	95	1226011	9.15	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.50%			
Target Compounds						Qvalue
99) TPH-GRO (C6-C10)	13.59	TIC	384028m	0.61	ppb	

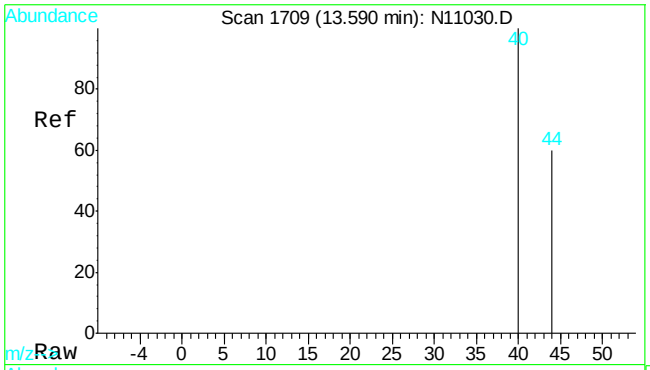
(#) = qualifier out of range (m) = manual integration
N11030.D VN360W.M Fri Nov 20 14:48:41 2009 RPT1 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11030.D Vial: 31
Acq On : 19 Nov 2009 11:15 pm Operator: TitiaF
Sample : C8422-7 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:48 2009 Quant Results File: VN360W.RES

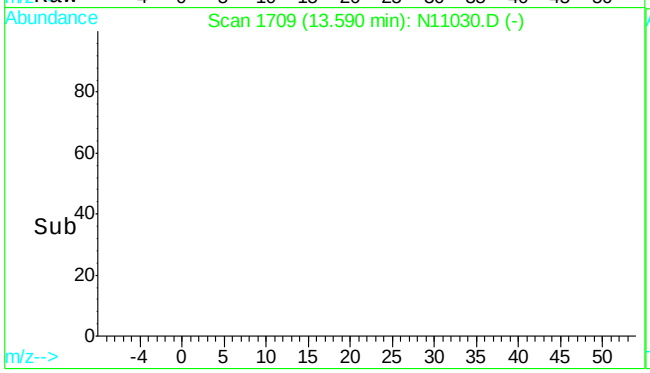
Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

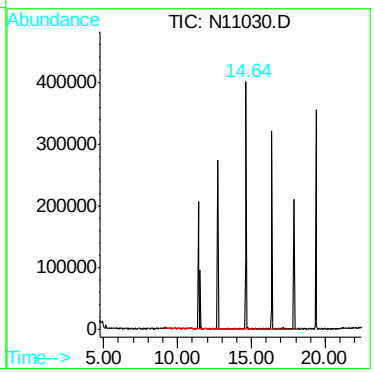




#99
TPH-GRO (C6-C10)
Concen: 0.61 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11030.D
Acq: 19 Nov 2009 11:15 pm

Tgt Ion:TIC Resp: 384028





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11023.D Vial: 24
Acq On : 19 Nov 2009 7:52 pm Operator: TitiaF
Sample : C8422-8 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:36 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

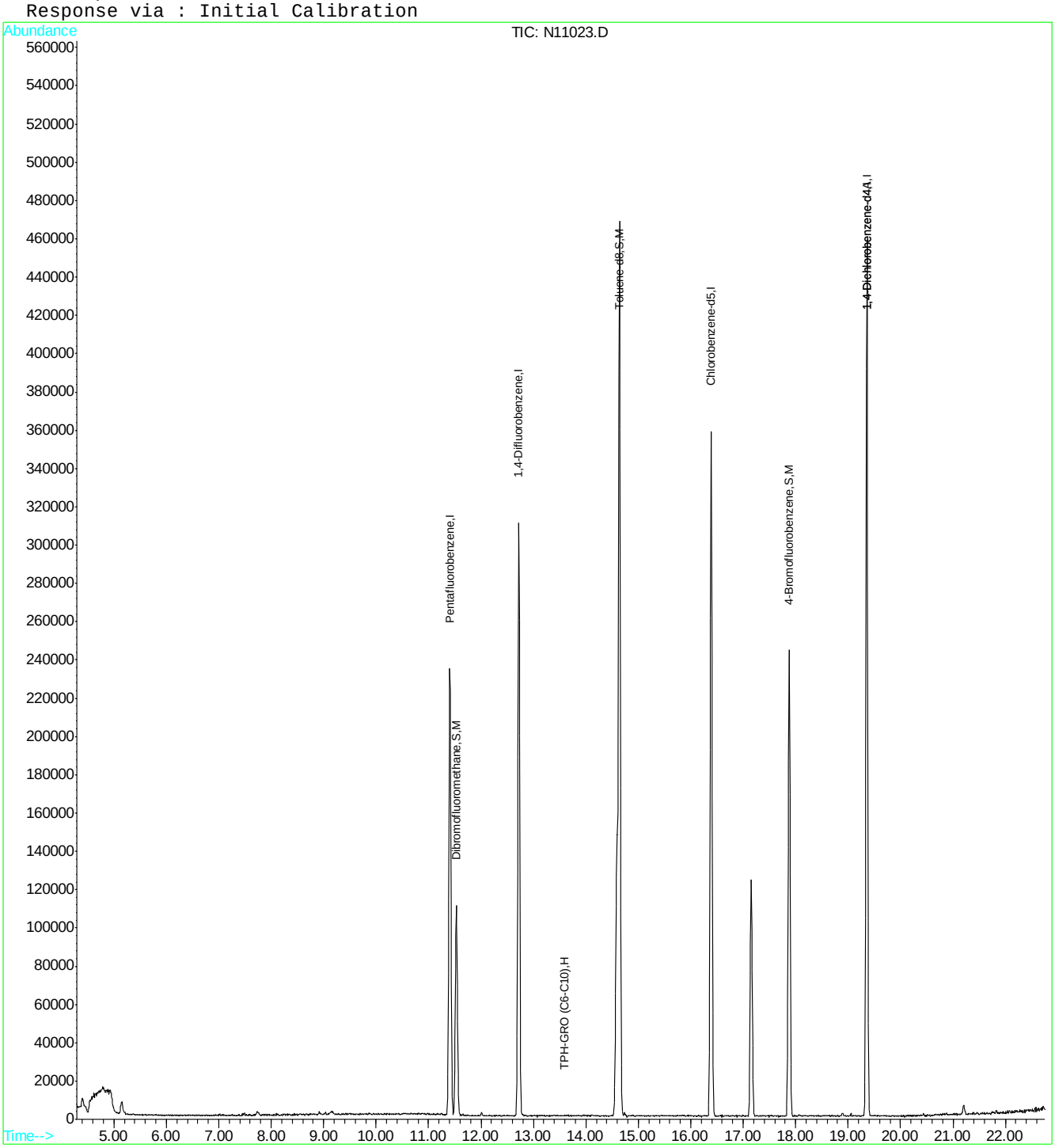
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	2183821	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3494592	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	2934567	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1414501	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1414501	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	988302	10.05	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.50%			
56) Toluene-d8	14.64	98	4268563	10.67	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.70%			
74) 4-Bromofluorobenzene	17.87	95	1416526	9.28	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.80%			
Target Compounds						Qvalue
99) TPH-GRO (C6-C10)	13.59	TIC	6953633m	9.65	ppb	

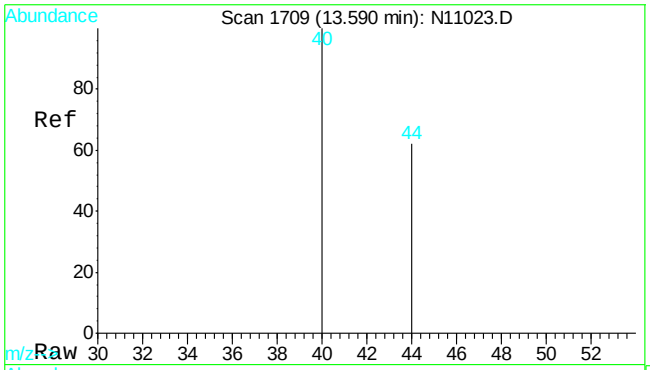
(#) = qualifier out of range (m) = manual integration
N11023.D VN360W.M Fri Nov 20 14:36:32 2009 RPT1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11023.D Vial: 24
Acq On : 19 Nov 2009 7:52 pm Operator: TitiaF
Sample : C8422-8 Inst : VMS-02
Misc : MS1111,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:36 2009 Quant Results File: VN360W.RES

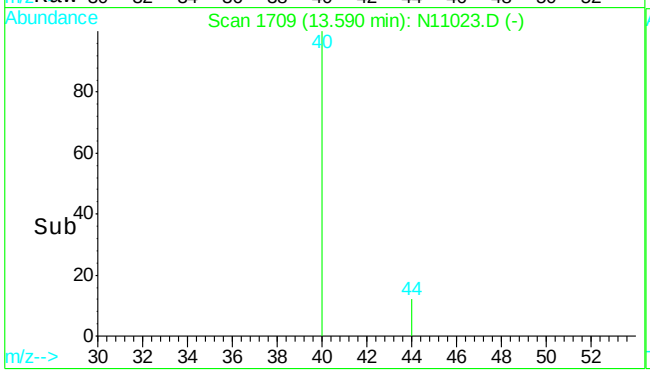
Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

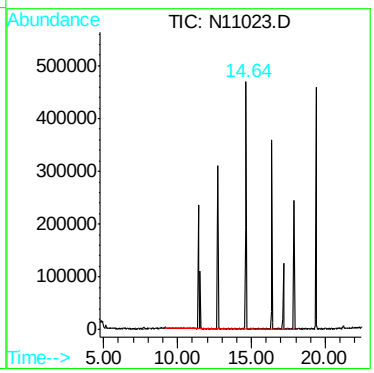




#99
TPH-GRO (C6-C10)
Concen: 9.65 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11023.D
Acq: 19 Nov 2009 7:52 pm

Tgt Ion:TIC Resp: 6953633





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N091119\N11017.D Vial: 16
Acq On : 19 Nov 2009 4:56 pm Operator: TitiaF
Sample : MB1 Inst : VMS-02
Misc : MS1108,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:09 2009 Quant Results File: VN360W.RES

Quant Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration
DataAcq Meth : VN360W

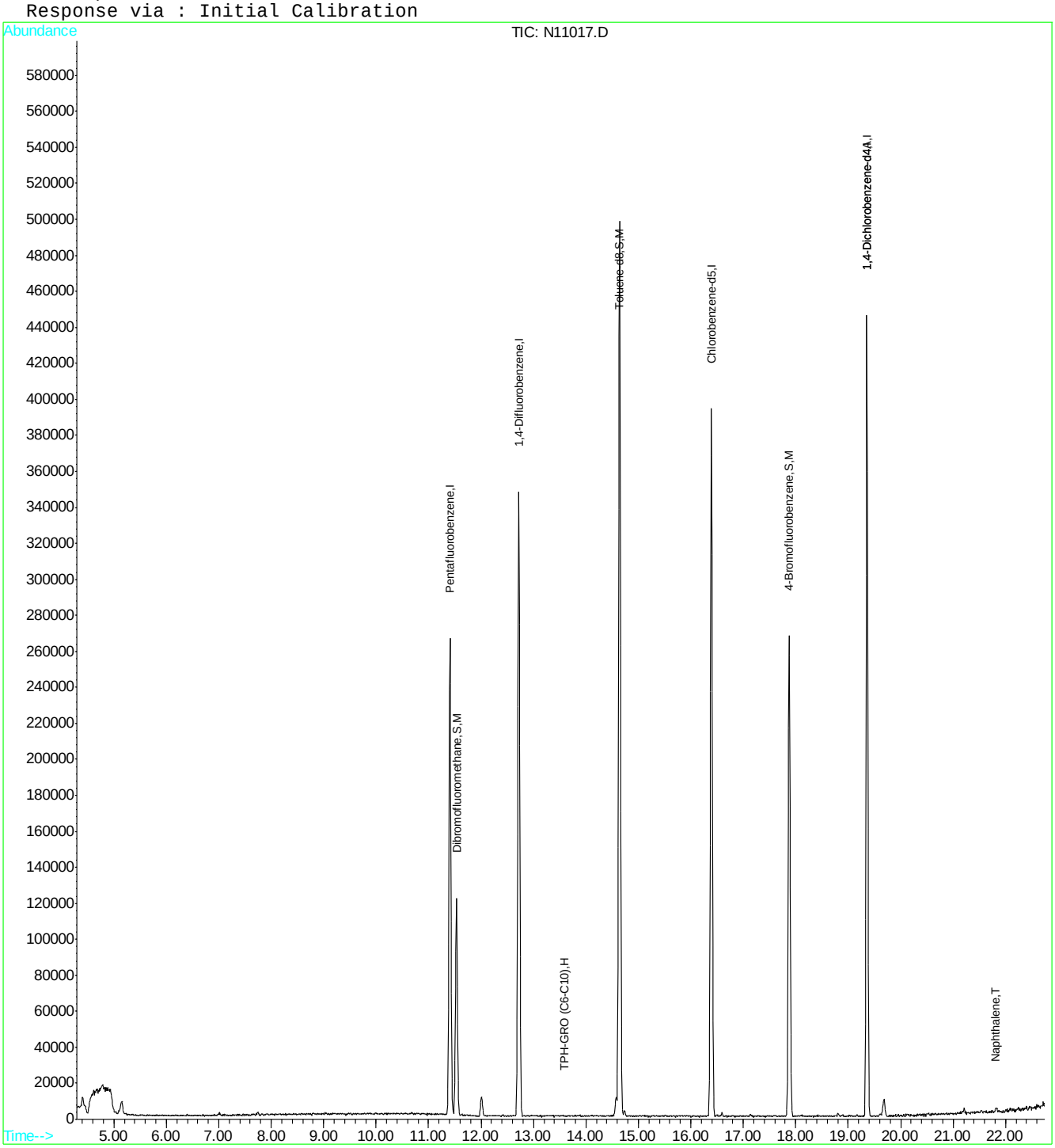
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	11.41	168	2449258	10.00	ppb	0.00
40) 1,4-Difluorobenzene	12.72	114	3890538	10.00	ppb	0.00
55) Chlorobenzene-d5	16.39	117	3210644	10.00	ppb	0.00
77) 1,4-Dichlorobenzene-d4	19.36	152	1539406	10.00	ppb	0.00
98) 1,4-Dichlorobenzene-d4A	19.36	152	1539406	10.00	ppb	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	11.53	111	1098754	9.97	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%			
56) Toluene-d8	14.64	98	4708919	10.76	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.60%			
74) 4-Bromofluorobenzene	17.88	95	1563950	9.37	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.70%			
Target Compounds						Qvalue
96) Naphthalene	21.81	128	40026	0.14	ppb	100
99) TPH-GRO (C6-C10)	13.59	TIC	214793m	0.27	ppb	

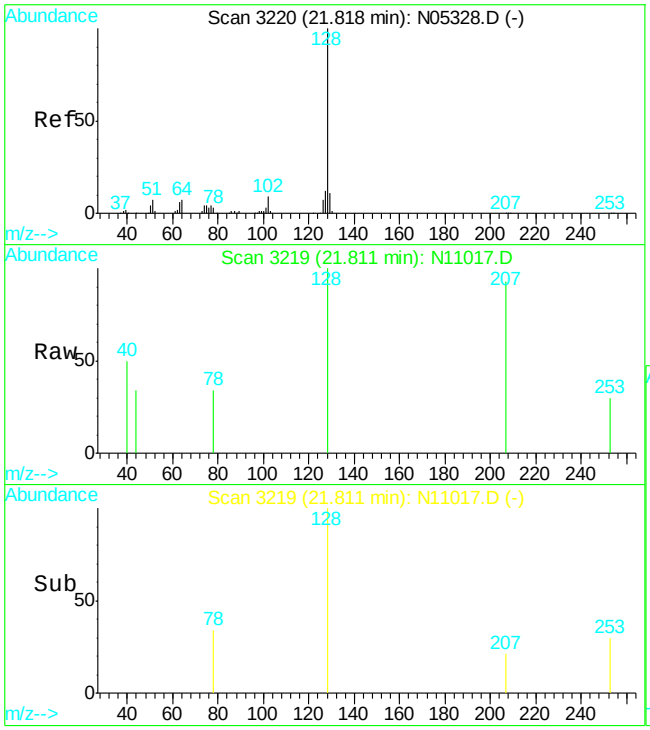
(#) = qualifier out of range (m) = manual integration
N11017.D VN360W.M Fri Nov 20 14:10:20 2009 RPT1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N091119\N11017.D Vial: 16
Acq On : 19 Nov 2009 4:56 pm Operator: TitiaF
Sample : MB1 Inst : VMS-02
Misc : MS1108,VN368,10,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 20 14:09 2009 Quant Results File: VN360W.RES

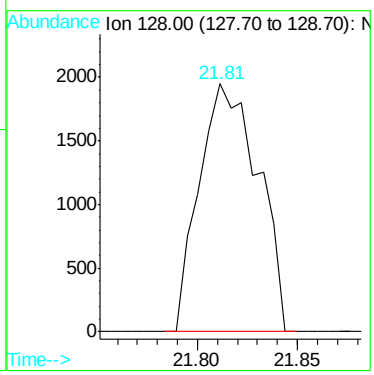
Method : C:\HPCHEM\1\METHODS\VN360W.M (RTE Integrator)
Title : WATER-EPA 8260B
Last Update : Thu Nov 12 10:52:54 2009
Response via : Initial Calibration

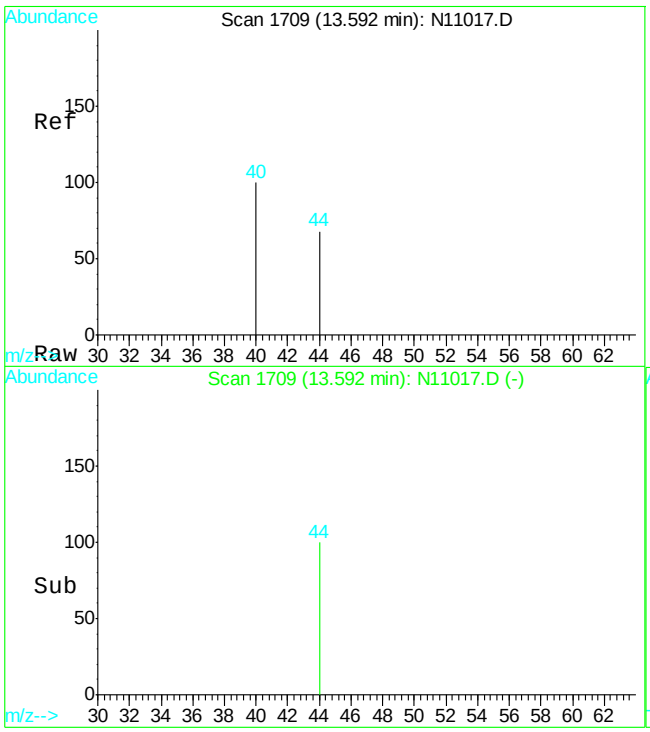




#96
Naphthalene
Concen: 0.14 ppb
RT: 21.81 min Scan# 3219
Delta R.T. 0.00 min
Lab File: N11017.D
Acq: 19 Nov 2009 4:56 pm

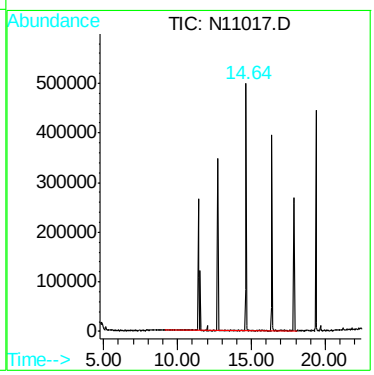
Tgt Ion:128 Resp: 40026





#99
TPH-GRO (C6-C10)
Concen: 0.27 ppb m
RT: 13.59 min Scan# 1709
Delta R.T. 0.00 min
Lab File: N11017.D
Acq: 19 Nov 2009 4:56 pm

Tgt Ion:TIC Resp: 214793



Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1511-MB	GG9460.D	1	11/17/09	JH	11/16/09	OP1511	GGG326

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.050	mg/l	
	TPH (> C28-C40)	ND	0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	88%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C8422
Account: BMECASF Burns and McDonnell Engineering
Project: T0600102107-YRC-Roadway Express, 1708 Wood Street, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1511-BS	GG9461.D	1	11/17/09	JH	11/16/09	OP1511	GGG326
OP1511-BSD	GG9462.D	1	11/17/09	JH	11/16/09	OP1511	GGG326

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

C8422-1, C8422-2, C8422-3, C8422-4, C8422-5, C8422-6, C8422-7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.720	72	0.758	76	5	45-140/30
	TPH (> C28-C40)	1	0.722	72	0.728	73	1	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	87%	87%	45-140%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9485.D Vial: 24
Acq On : 11-17-09 8:46:14 PM Operator: JAMESH
Sample : C8422-1 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:03 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	118694977	98.431 ppm
Spiked Amount 100.000		Recovery =	98.43%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	24622304	23.467 ppm
3) H TPH (>C28-C40)	12.59	11663823	12.189 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

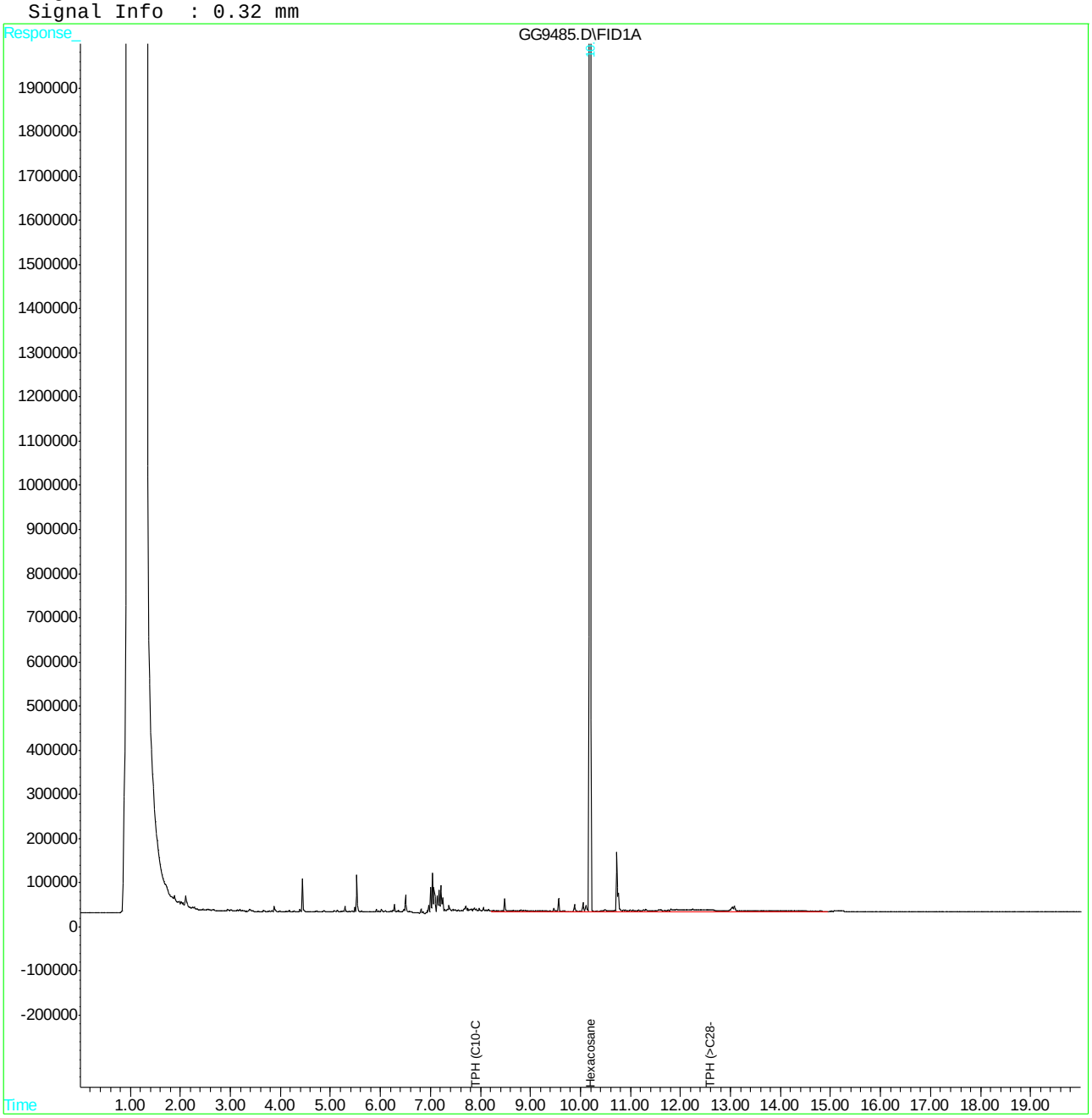
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9485.D GGG278.M Wed Nov 18 14:21:38 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9485.D Vial: 24
Acq On : 11-17-09 8:46:14 PM Operator: JAMESH
Sample : C8422-1 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:03 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9486.D Vial: 25
Acq On : 11-17-09 9:12:57 PM Operator: JAMESH
Sample : C8422-2 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	107039687	88.765 ppm
Spiked Amount 100.000		Recovery =	88.77%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	29313732	27.938 ppm
3) H TPH (>C28-C40)	12.59	16454112	17.195 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

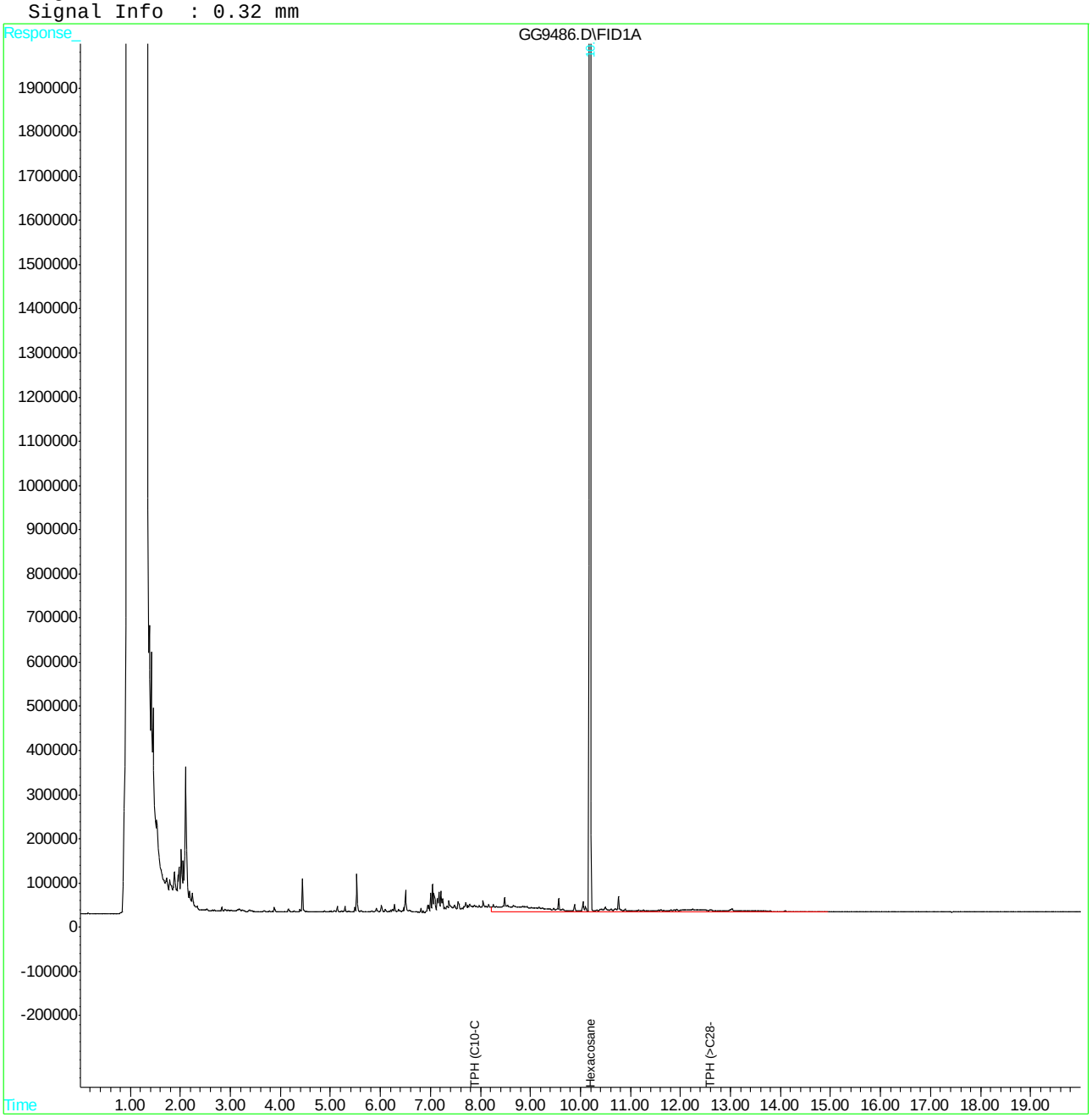
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9486.D GGG278.M Wed Nov 18 14:21:39 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9486.D Vial: 25
Acq On : 11-17-09 9:12:57 PM Operator: JAMESH
Sample : C8422-2 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9487.D Vial: 26
Acq On : 11-17-09 9:39:32 PM Operator: JAMESH
Sample : C8422-3 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	106353312	88.196 ppm
Spiked Amount 100.000		Recovery =	88.20%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	19177835	18.278 ppm
3) H TPH (>C28-C40)	12.59	5134228	5.365 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

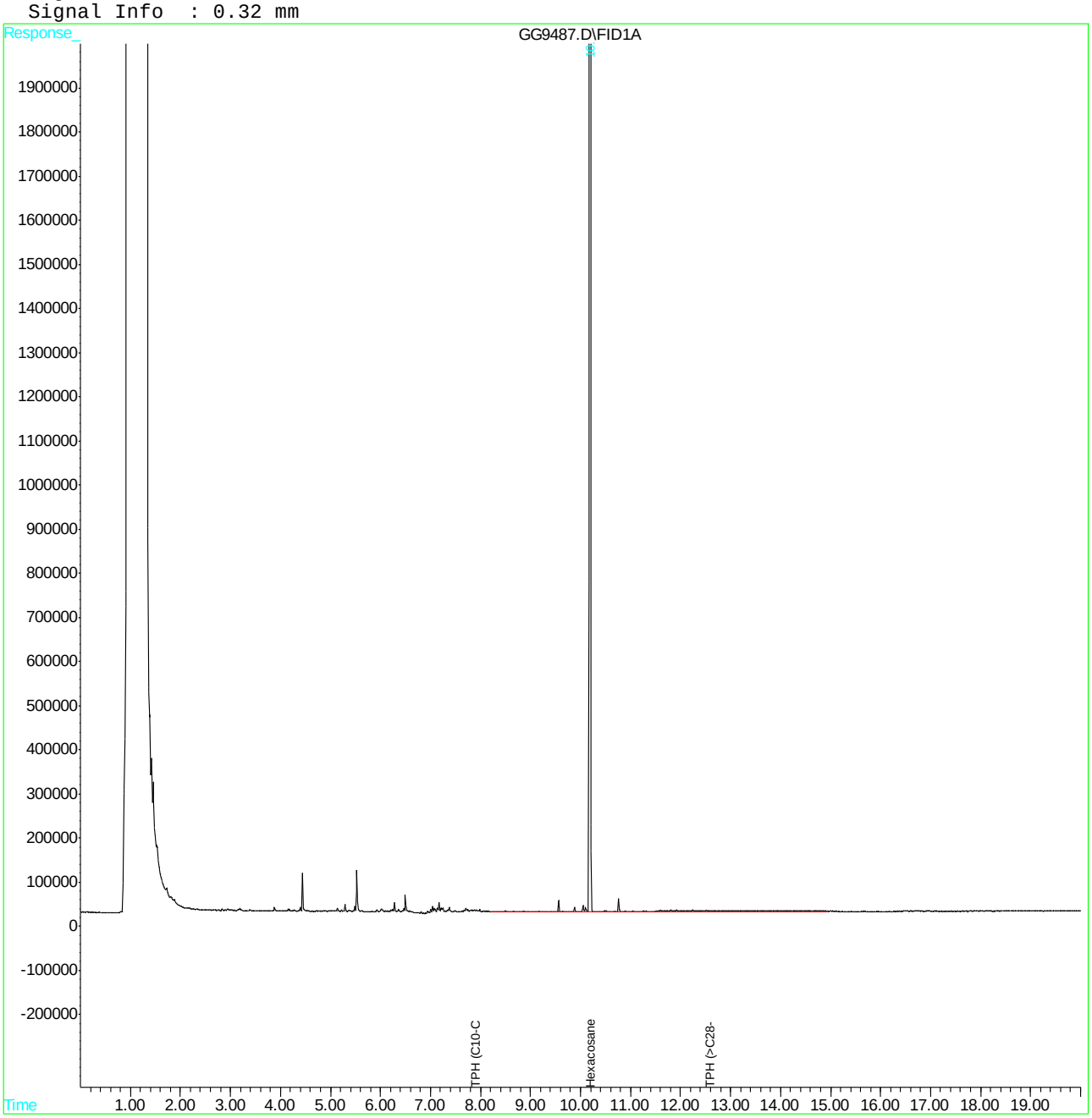
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9487.D GGG278.M Wed Nov 18 14:21:40 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9487.D Vial: 26
Acq On : 11-17-09 9:39:32 PM Operator: JAMESH
Sample : C8422-3 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9488.D Vial: 27
Acq On : 11-17-09 10:06:09 PM Operator: JAMESH
Sample : C8422-4 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	104661486	86.793 ppm
Spiked Amount 100.000		Recovery =	86.79%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	18838364	17.954 ppm
3) H TPH (>C28-C40)	12.59	5941095	6.209 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

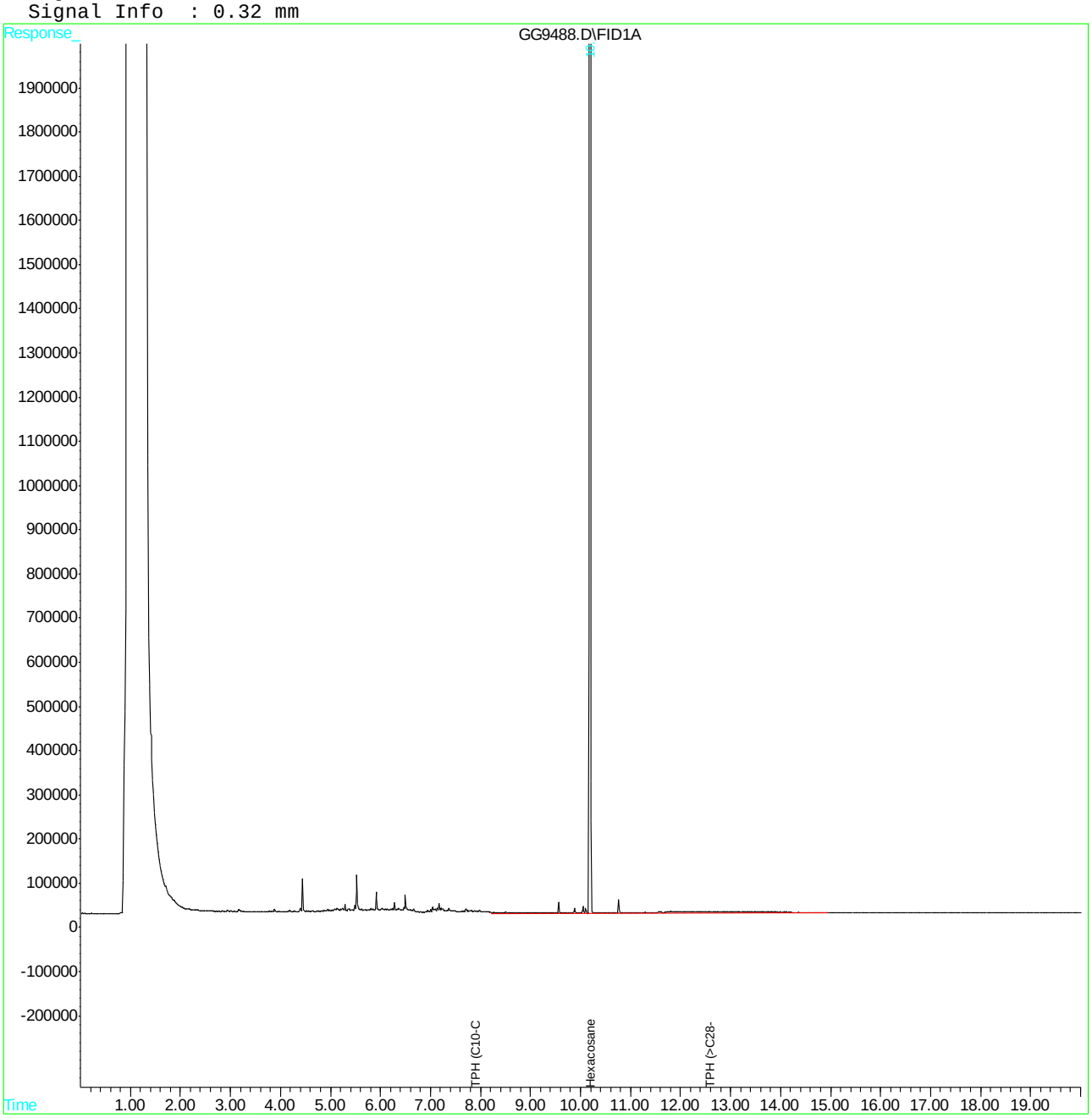
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9488.D GGG278.M Wed Nov 18 14:21:41 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9488.D Vial: 27
Acq On : 11-17-09 10:06:09 PM Operator: JAMESH
Sample : C8422-4 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9489.D Vial: 28
Acq On : 11-17-09 10:32:42 PM Operator: JAMESH
Sample : C8422-5 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	101067155	83.813 ppm
Spiked Amount 100.000		Recovery =	83.81%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	21826253	20.802 ppm
3) H TPH (>C28-C40)	12.59	5852107	6.116 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

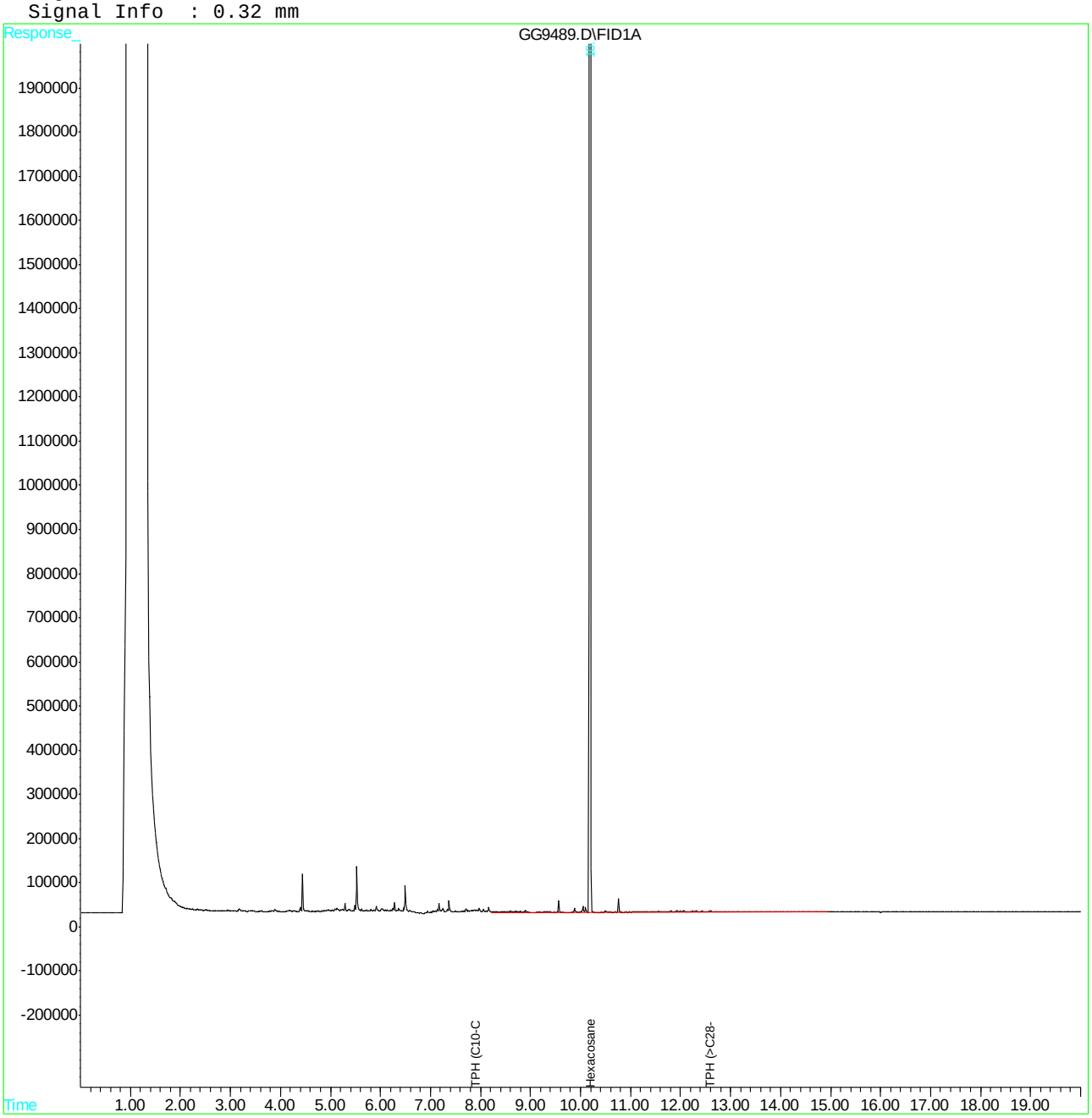
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9489.D GGG278.M Wed Nov 18 14:21:42 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9489.D Vial: 28
Acq On : 11-17-09 10:32:42 PM Operator: JAMESH
Sample : C8422-5 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:04 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9490.D Vial: 29
Acq On : 11-17-09 10:59:17 PM Operator: JAMESH
Sample : C8422-6 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:05 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	105764156	87.708 ppm
Spiked Amount 100.000		Recovery =	87.71%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	20349039	19.394 ppm
3) H TPH (>C28-C40)	12.59	4965372	5.189 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

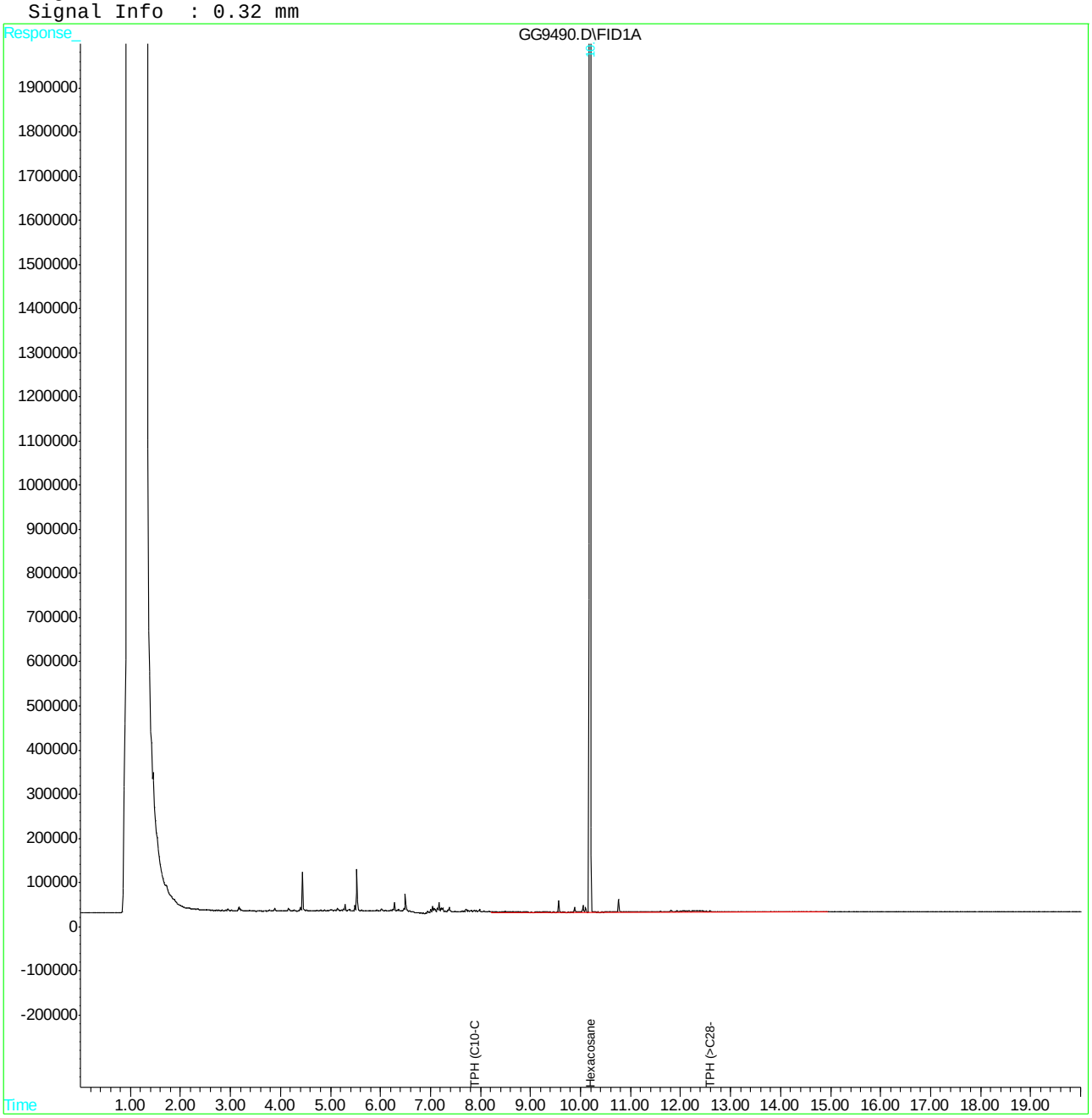
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9490.D GGG278.M Wed Nov 18 14:21:43 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9490.D Vial: 29
Acq On : 11-17-09 10:59:17 PM Operator: JAMESH
Sample : C8422-6 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:05 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9491.D Vial: 30
Acq On : 11-17-09 11:25:50 PM Operator: JAMESH
Sample : C8422-7 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:05 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	109805281	91.059 ppm
Spiked Amount 100.000		Recovery =	91.06%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	20344619	19.390 ppm
3) H TPH (>C28-C40)	12.59	4740625	4.954 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	0.00	0	N.D. ppm
7) H TPH (Motor Oil)	0.00	0	N.D. ppm

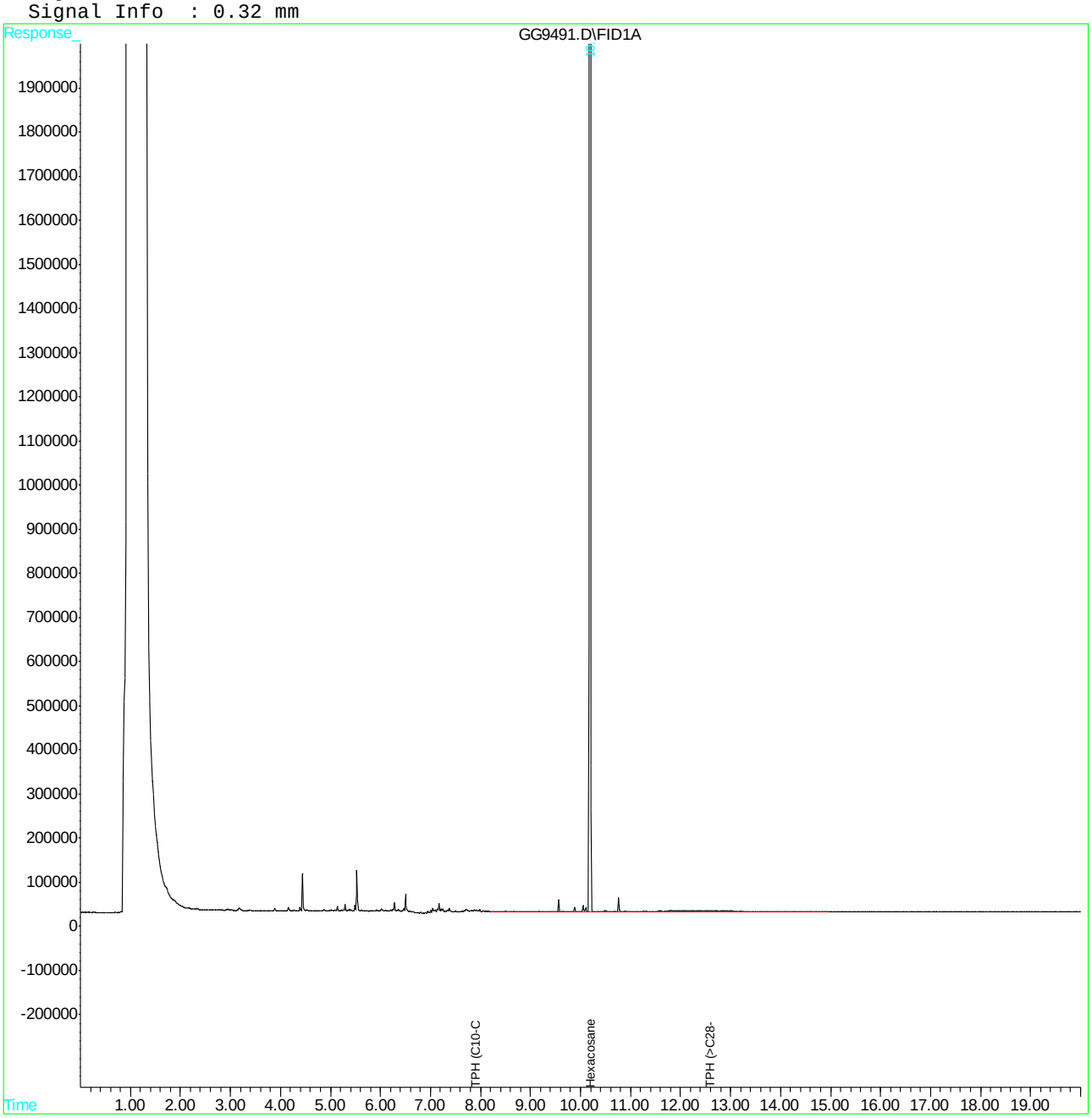
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9491.D GGG278.M Wed Nov 18 14:21:43 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9491.D Vial: 30
Acq On : 11-17-09 11:25:50 PM Operator: JAMESH
Sample : C8422-7 Inst : Diesel 2
Misc : OP1511,GGG326,1060,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 18 14:05 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Quantitation Report (QT Reviewed)

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9460.D Vial: 4
Acq On : 11-17-09 9:36:43 AM Operator: JAMESH
Sample : OP1511-MB Inst : Diesel 2
Misc : OP1511,GGG326,1000,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 17 10:56 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Initial Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S,M Hexacosane	10.19f	106598345	88.399 ppm
Spiked Amount 100.000		Recovery =	88.40%
Target Compounds			
2) H,M TPH (C10-C28)	7.90	20663140	19.693 ppm
3) H TPH (>C28-C40)	12.59	6843509	7.152 ppm
4) H TPH (Mineral Spirits)	0.00	0	N.D. ppm
5) H TPH (Kerosene)	0.00	0	N.D. ppm
6) H,M TPH (Diesel)	7.90	20663140	19.693 ppm
7) H TPH (Motor Oil)	12.59	6843509	7.152 ppm

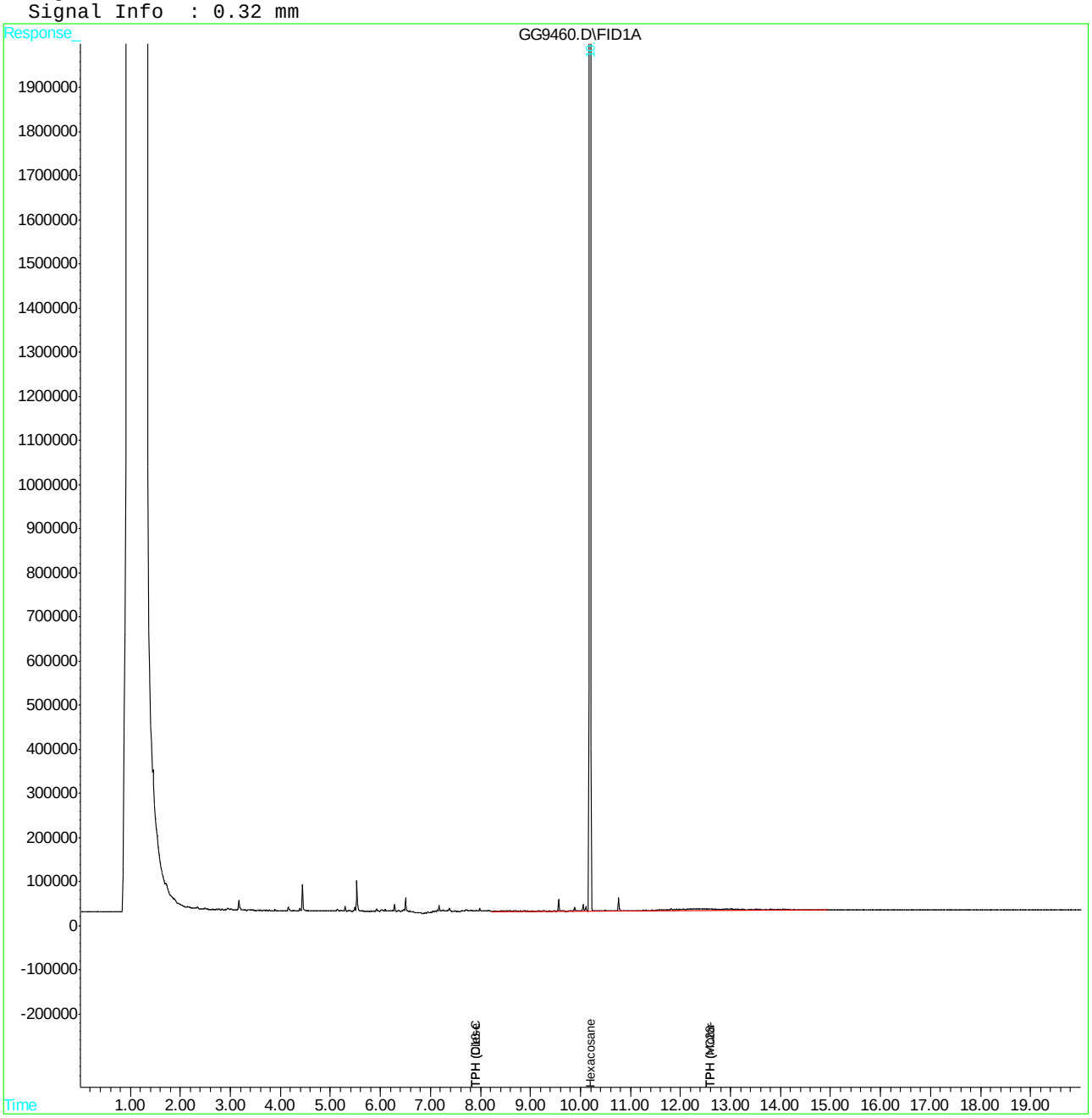
(f)=RT Delta > 1/2 Window (m)=manual int.
GG9460.D GGG278.M Wed Nov 18 13:49:19 2009 Page 1

Quantitation Report

Data File : C:\DIESEL\D#2\DATA\GGG326\GG9460.D Vial: 4
Acq On : 11-17-09 9:36:43 AM Operator: JAMESH
Sample : OP1511-MB Inst : Diesel 2
Misc : OP1511,GGG326,1000,,,1,1,WATER Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Nov 17 10:56 2009 Quant Results File: GGG278.RES

Quant Method : C:\DIESEL\D#2\METHODS\GGG278.M (Chemstation Integrator)
Title : DRO calibration: Back column
Last Update : Fri Sep 11 10:19:00 2009
Response via : Multiple Level Calibration
DataAcq Meth : ACQ_TPH2.M

Volume Inj. : 1.0 uL
Signal Phase : HP-5
Signal Info : 0.32 mm



Appendix C
1957-1970 Sanborn Maps

Certified Sanborn® Map Report

4/21/08

Site Name:
Roadway Express
1708 Wood Street
Oakland, CA 94607

EDR Inquiry # 2199357.3s

Client Name:
Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, MO 64114

Contact: Katherine Spencer

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Burns & McDonnell Engineering were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Roadway Express
Address: 1708 Wood Street
City, State, Zip: Oakland, CA 94607
Cross Street:
P.O. # NA
Project: 48791
Certification # ABF9-43C9-8321

Sanborn® Library search results
Certification # ABF9-43C9-8321

Maps Identified - Number of maps indicated within "( )"

1970	(1)	1951	(1)
1967	(1)	1912	(1)
1961	(1)	1902	(1)
1958	(1)		
1957	(1)		
1952	(1)		

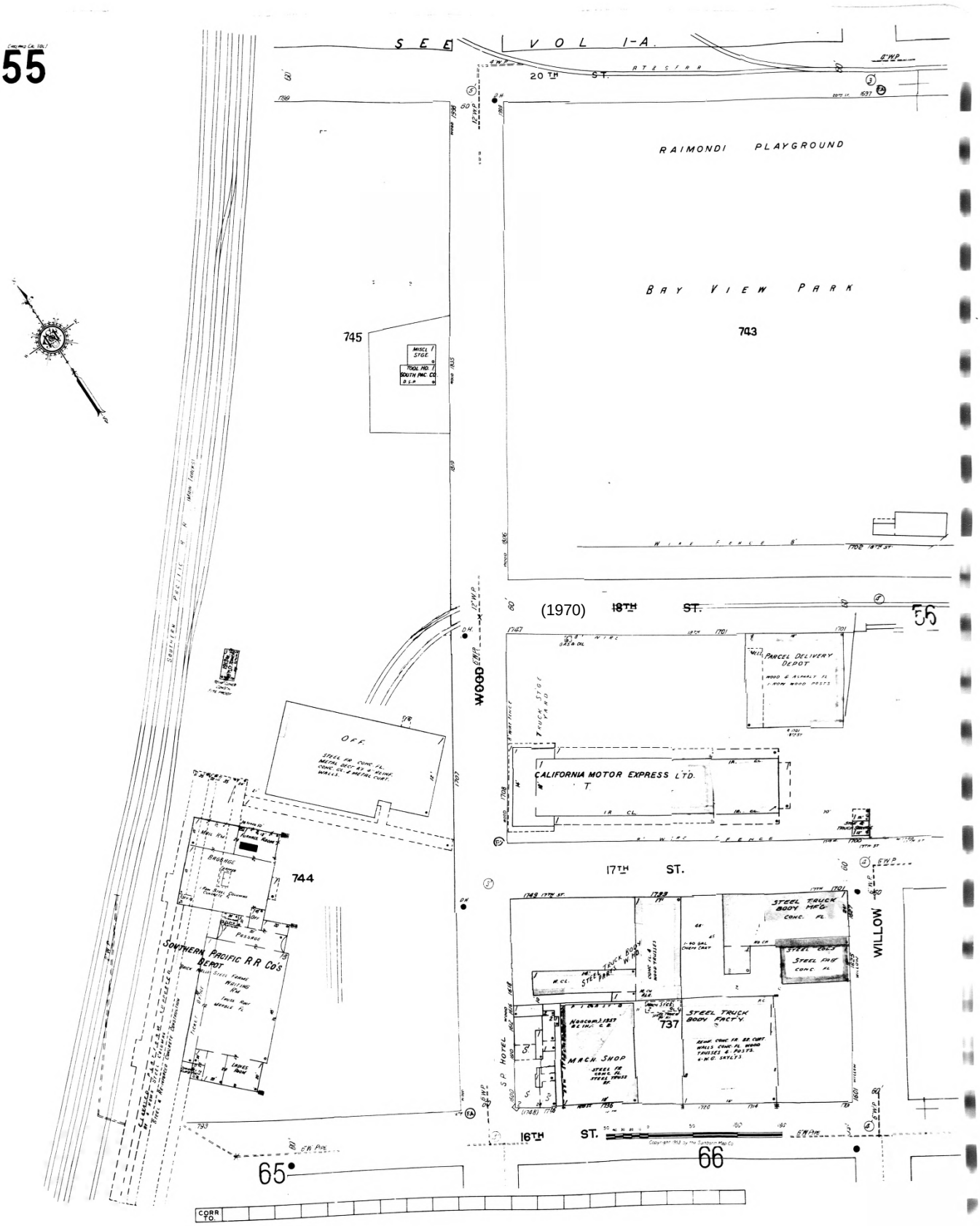
Total Maps: 9

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

Limited Permission To Make Copies

Burns & McDonnell Engineering (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.



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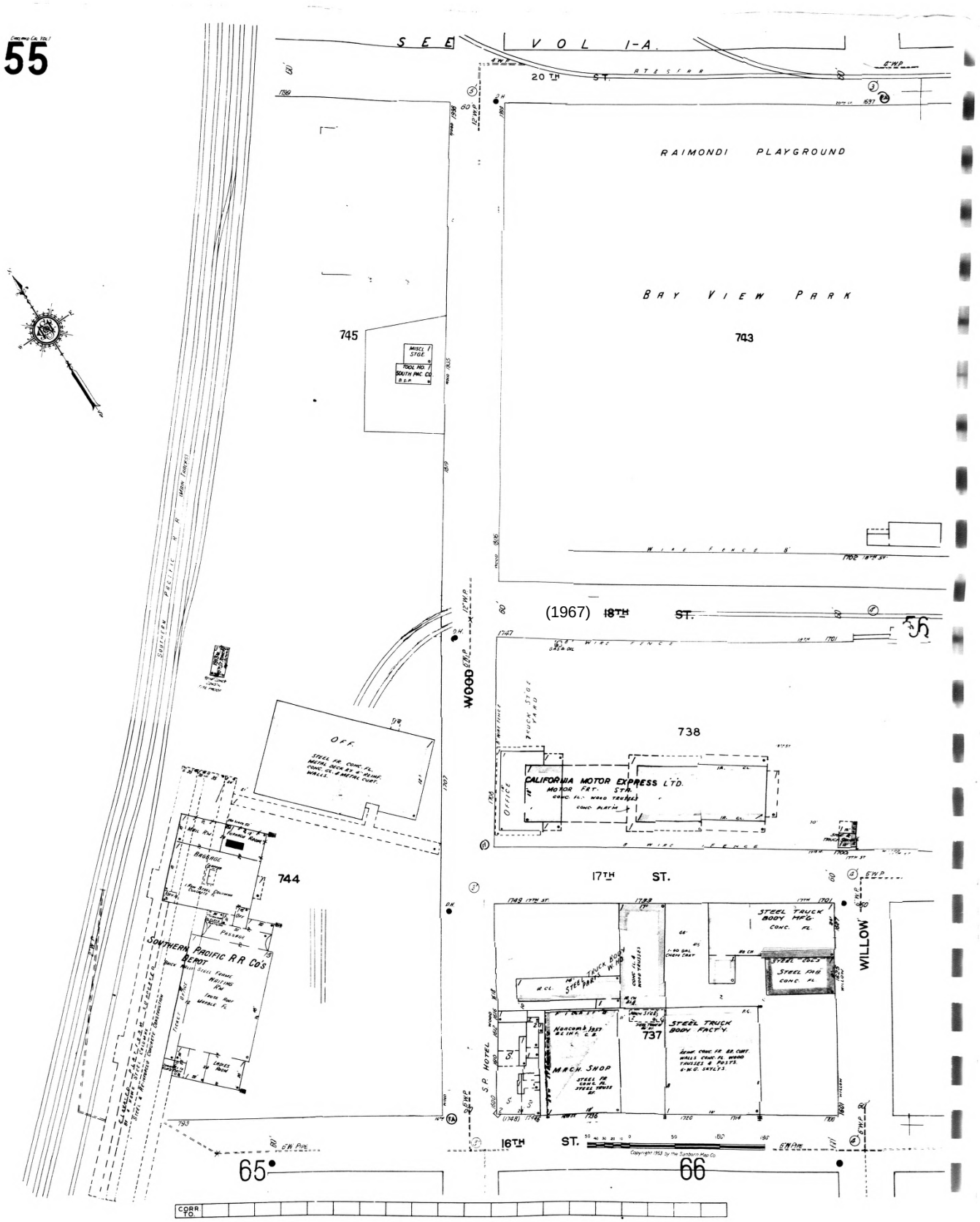
Certification # ABF9-43C9-8321

Site Name:	Roadway Express
Address:	1708 Wood Street
City, ST, ZIP:	Oakland CA 94607
Client:	Burns & McDonnell Engineering
EDR Inquiry:	2199357.3s
Order Date:	4/21/2008 9:08:40 AM
Certification #	ABF9-43C9-8321

Copyright: 1970



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Certification # ABF9-43C9-8321

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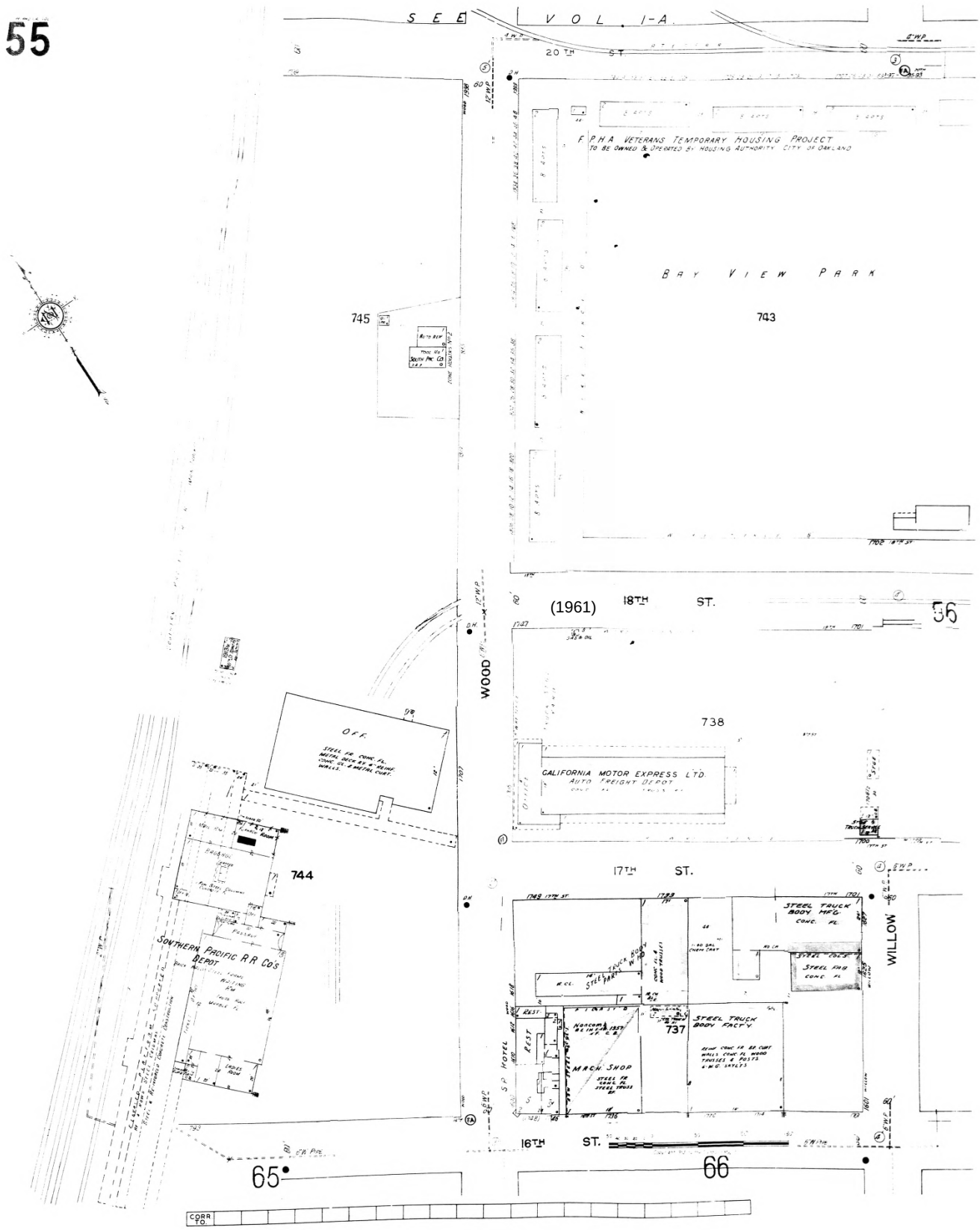
Address:	1708 Wood Street
City, ST, ZIP:	Oakland CA 94607
Client:	Burns & McDonnell Engineering
EDR Inquiry:	2199357.3s
Order Date:	4/21/2008 9:08:40 AM
Certification #	ABF9-43C9-8321

Copyright: 1967

THE SANBORN LIBRARY LLC Sanborn SEAL OF AUTHENTICITY

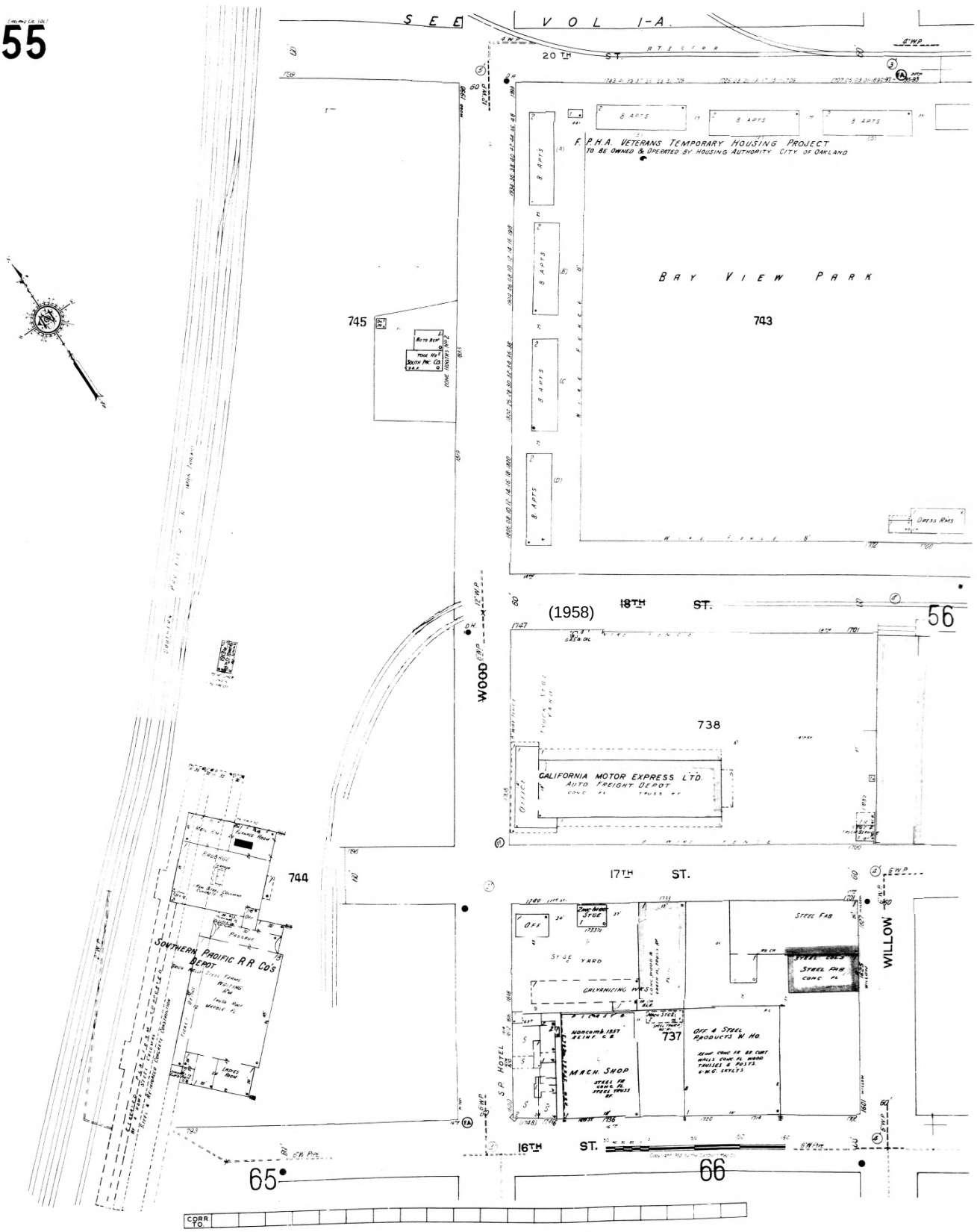


Certification # ABF9-43C9-8321

Site Name: Roadway Express
Address: 1708 Wood Street

City, ST, ZIP: Oakland CA 94607

Client: Burns & McDonnell Engineering
EDR Inquiry: 2199357.3s
Order Date: 4/21/2008 9:08:40 AM
Certification # ABF9-43C9-8321



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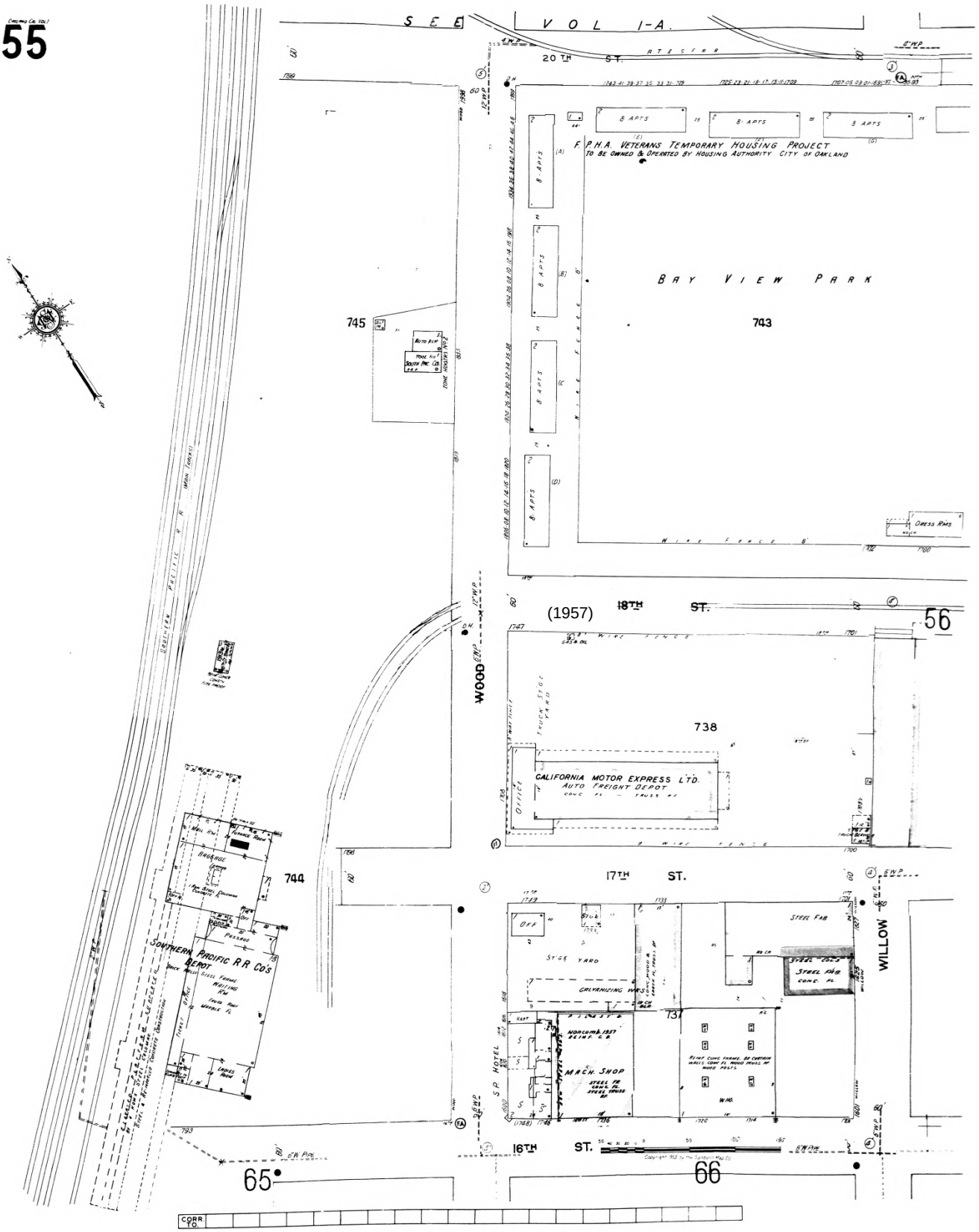

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Client:	Burns & McDonnell Engineering
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Certification #	ABF9-43C9-8321