

GEI Consultants

Geotechnical
Environmental
Water Resources
Ecological

Removal Action Work Plan

Claremont Former MGP Site

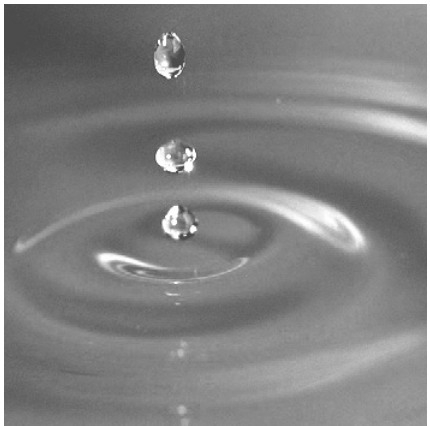
Claremont, New Hampshire

CERCLIS ID # NHN000105965
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Abbreviations and Acronyms

ABC	asphalt, brick, and concrete
ACM	asbestos containing material
AMP	Air Monitoring Plan
amsl	above mean sea level
ARARs	Applicable or Relevant and Appropriate Requirements
AST	above ground storage tank
AURs	Activity Use Restrictions
bgs	below ground surface
BTEX	benzene, ethylbenzene, toluene, and xylene
CERCLA	Comprehensive Environmental Recovery Compensation and Liability Act
CBSP	Claremont Bid Specification Package
CRZ	Contamination Reduction Zone
CVPS	Central Vermont Public Service
DNAPL	dense non-aqueous phase liquid
EPA	Environmental Protection Agency
GEI	GEI Consultants, Inc.
GMP	Groundwater Management Permit
HASP	Health and Safety Plan
ISS	in-situ stabilization
LAC	Local River Advisory Committee
LBP	lead-based paint
LNAPL	light non-aqueous phase liquid
mcf	million cubic feet
MOA	Memorandum of Agreement
MGP	Manufactured Gas Plant
MNA	Monitored Natural Attenuation
NAPL	non-aqueous phase liquid
NCP	National Contingency Plan
NHB	Natural Habitat Bureau
NHDES	New Hampshire Department of Environmental Services
NHDHR	New Hampshire Division of Historic Resources
NRI	Natural Resource Inventory
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
PAHs	polycyclic aromatic hydrocarbons
PDI	Pre-Design Investigation
PID	photo ionization detector
PRI	Preliminary Remedial Investigation

RAWP	Removal Action Work Plan
RCRA	Resource Conservation and Recovery Act
SVOCs	semi-volatile organic compounds
SI	Site Investigation
START	Superfund Technical Assistance and Response Team
VOCs	volatile organic compounds

Executive Summary

On behalf of Amerigas Propane, L.P. ("Amerigas"), GEI Consultants, Inc. (GEI) has prepared this Removal Action Work Plan (RAWP) for the Claremont former manufactured gas plant (MGP) ("Site"). The Site is approximately 1.06 acres and is located near the intersection of North Street and State Route 11, in the City of Claremont, Sullivan County, New Hampshire (Figure 1). The United States Environmental Protection Agency (EPA) has assigned case ID #NHN000105965 to the Site.

Soils on the Site and adjacent property and sediment in the Sugar River are impacted with MGP residual byproducts in the form of coal tar Non-Aqueous Phase Liquid (NAPL), released during the operation of the facility between the 1850s and the 1940s. MGP-related constituents associated with coal tar NAPL typically include benzene, ethylbenzene, toluene, and xylene (BTEX), and several polycyclic aromatic hydrocarbons (PAHs). Metals associated with the MGP process mainly include arsenic, lead, and, mercury. Previous soil sampling has identified MGP-related impacts above EPA Removal Action Levels.

The objective of this RAWP is to develop a plan to:

- Remove residual MGP-related wastes from below-grade structures,
- Demolish above-grade and below-grade structures,
- Remove overburden soil containing coal tar NAPL to the bedrock surface on the Site and adjacent property,
- Remove sediment in a portion of the Sugar River containing coal tar NAPL to the bedrock surface,
- Conduct in-situ stabilization (ISS) of soils in the portions of the former tail race deeper than 4 feet to prevent the off-site migration of coal tar NAPL into the Sugar River,
- Treat, recycle, and/or dispose of, as appropriate, waste materials, NAPL impacted soil and sediment removed from the Site,
- Restore areas impacted by the Removal Action to necessary and appropriate pre-removal conditions, or to reasonable and suitable conditions consistent with future use of the Site that are acceptable to the EPA,
- Provide a plan for monitoring of groundwater in the overburden aquifer and obtaining a Groundwater Management Permit (GMP), and

- Develop Activity Use Restrictions (AURs) as institutional controls to prevent potential future exposure to impacted soil and groundwater remaining at the Site.

Implementation of this removal action will occur in three stages: (1) the removal action design (2) the removal action/stabilization, (3) monitoring (GMP) and institutional controls (AURs). The removal action design will assess the volume of soil visibly impacted with free and/or residual MGP-related coal tar NAPL. Volume calculations for the excavation area will be based on the findings of previous investigations and the recent pre-design investigation. The removal action will consist primarily of excavation and off-site disposal and thermal treatment of impacted soil with areas of ISS to address the tail race as a preferential migratory pathway. Visibly impacted material will be removed from the Site and will be disposed at an appropriated permitted facility. Site soil not visibly impacted will be used as back fill and capped, if necessary, with a minimum of 2 feet of clean fill to previous grades. Post excavation soil sampling will be conducted in selected areas to support the removal action. A visual barrier will be placed to demarcate soil which is left in place but does not meet the New Hampshire Department of Environmental Services (NHDES) S-1 criteria.

1. Introduction and Objectives

This Removal Action Work Plan (RAWP) presents the scope and conceptual design of a Removal Action proposed for the Claremont former Manufactured Gas Plant (MGP) ("Site") located in the City of Claremont, Sullivan County, New Hampshire. Soils on the Site and adjacent property, and sediment in the Sugar River are impacted with MGP residual byproducts in the form of coal tar Non-Aqueous Phase Liquid (NAPL), released during the operation of the facility between the 1850s and the 1940s. Previous soil sampling has identified MGP-related impacts above EPA Removal Action Levels. This plan focuses on streamlined ways to remediate the Site and expedite Removal Action development and implementation.

The United States Environmental Protection Agency (EPA) has assigned case ID #NHN000105965 to the Site under the Comprehensive Environmental Recovery Compensation and Liability Act (CERCLA). The EPA issued a memorandum dated August 8, 2013, titled Request for a Removal Action at the Former Synergy Site, Claremont, Sullivan County, New Hampshire - Action Memorandum. A copy of the memorandum is presented in Appendix A. Section V., Proposed Action and Estimated Costs of the EPA's memorandum outlines ten proposed actions. Items 5 through 10 of this list are tasks associated with remediation.

Removal Action Objectives (RAOs)/Proposed Removal Goals (PRGs) have been developed and consist primarily of removal of coal tar NAPL related to MGP production, which may act as a continuing source (Item 7 of the EPA Action Memorandum). A Removal Action will address items 5, 6, 8, 9, and 10 of the EPA's memorandum.

The objective of this RAWP is to develop a plan to:

- Remove residual MGP-related wastes from below-grade structures,
- Demolish above-grade and below-grade structures,
- Remove overburden soil containing coal tar NAPL to the bedrock surface on the Site and adjacent property,
- Remove sediment in a portion of the Sugar River containing coal tar NAPL to the bedrock surface,
- Conduct in-situ stabilization (ISS) of soils in the deeper portions of the former tail race to prevent the offsite migration of coal tar NAPL,
- Treat, recycle, and/or dispose of, as appropriate, waste materials removed from the Site,

- Restore areas impacted by the Removal Action to necessary and appropriate pre-removal conditions, or to reasonable and suitable conditions consistent with future use of the Site that are acceptable to the EPA and the City of Claremont (future owners of the site),
- Provide a plan for monitoring of groundwater in the overburden aquifer and obtaining a Groundwater Management Permit (GMP), if necessary, and
- Develop Activity Use Restrictions (AURs) and institutional controls to prevent potential future exposure to impacted soil and groundwater remaining at the Site.

Implementation of this removal action will occur in three stages: (1) the removal action design, (2) the removal action/stabilization, and (3) groundwater monitoring (through the GMP) and institutional controls (through the AURs). The removal action design will assess the volume of soil visibly impacted with MGP-related coal tar NAPL. Volume calculations for the excavation area will be based on the findings of previous investigations and the recent pre-design investigation. The removal action will consist primarily of excavation and off-site disposal and thermal treatment of impacted soil with areas of ISS. During excavation activities, visibly impacted material will be removed from the Site and disposed of at an approved, permitted offsite disposal facility. Site soil not visibly impacted will be used as back fill and capped, if necessary, with a minimum of 2 feet of clean fill to previous grades. Post excavation soil sampling will be conducted in selected areas to support the removal action. A visual barrier will be placed to demarcate soil which is left in place but does not meet the New Hampshire Department of Environmental Services (NHDES) S-1 criteria.

Residual dissolved-phase groundwater contamination that may remain in place in the overburden aquifer can be addressed through groundwater monitoring and, if necessary, Monitored Natural Attenuation (MNA). Adsorbed-phase soil concentrations which exceed NHDES soil standards, which are not addressed through a removal action, will be addressed through pathway elimination. The pathway elimination will be completed through engineering controls including the placement of a visual demarcation barrier and placement of clean fill approximately 2 feet thick. A risk assessment in accordance with NHDES regulations may also be conducted to develop an S-3 standard under scenarios where soils below the 2 feet clean fill cover and visual demarcation barrier may be contacted during future development or by site workers. Adsorbed-phase sediment concentrations, which may remain in place following sediment removal, can be addressed through an ecological risk assessment.

2. Background

The following sections provide background on the Site including location, topography, geology, hydrogeology, and groundwater use. A brief history of the Site is provided. Finally, a brief summary of the investigation activities completed to date is also presented.

2.1 Site Description

The Site is located at Lower Cul De Sac Place (59 Broad Street) in Claremont, Sullivan County, New Hampshire situated at latitude north: 43.3747000 (43° 22' 28.92''), longitude west 72.3377000 (72° 20' 15.72") at an approximate elevation of 505 ft. above sea level. Figure 1 – Site Location map shows the location of the Site in relationship to the surrounding area on the United States Geologic Survey Claremont, NH 7.5' topographic quadrangle.

Broad Street is located to the east and North Street (Route 120) is located to the north/northeast of the Site. The Sugar River, which flows to the west, borders the Site to the south and west. The Sugar River is dammed to the east of the Broad Street bridge crossing approximately 450 feet southeast of the Site. A second dam is located on the Sugar River downstream to the west of the Site approximately 150 feet. Figure 2 – Aerial Photograph and Historic Site Features shows the Site on a current aerial photo in relationship to the surrounding area.

GEI engaged Richard D. Bartlett & Associates, LLC, a licensed surveyor in New Hampshire to conduct a metes and bounds and topographic survey of the Site. Figure 3 – Existing Conditions Plat of Land of SG Propane of NH, Inc. shows the existing conditions, topography, and property boundaries of the Site. The Site is referenced as Map 120 Lot 10 on Sullivan County tax maps. A portion of the Removal Action will occur on the adjacent property owned by the City of Claremont, referenced as 14 North Street, Map 107 Lot 31.

2.2 Physical Setting

2.2.1 Site Topography

Site topography is show in Figure 3. The Site is located at the base of a steep bedrock slope. The elevation at the top of the slope along North Street ranges from 536 to 542 feet above mean sea level (amsl). The elevation of the Site at the base of the slope is 502 to 508 feet. The Site is generally level. On the western Site boundary, the Site slopes steeply downward along the Sugar River bank to an elevation of 494 feet. The pond elevation of the Sugar River is approximately 494 feet.

2.2.2 Geology

2.2.2.1 Regional Geology

The regional geology is comprised of Devonian age slate, phyllite, aluminous schist, local calc-silicate, granofels, and bimodal metavolcanic rocks. There are several faults running north-south throughout the region that juxtapose Cambrian-Silurian age phyllite and calcareous schist against the Devonian age bedrock (Lyons and others, 1997). Bedrock in the vicinity of the site is metasedimentary and metavolcanic rocks of the central Maine trough. Bedrock underlying the site appears to be either Upper to Middle Ordovician black, rusty-weathering, sulfidic-graphitic slate or schist or Lower Silurian orthoquartzite, quartz metaconglomerate muscovite schist (Lyons and others, 1997).

2.2.2.2 Site Geology

Site geology consists of overburden soils (alluvial deposits and fill) overlying bedrock. Bedrock consists of greenish-gray mica schist. Bedrock crops out along Cul-de-Sac Place. GEI measured the strike and dip of the foliation planes of the bedrock. Foliation strikes at 75^{o} azimuth and dips 80^{o} to the northeast. In soil borings, bedrock was encountered as refusal at a minimum of 4 feet and a maximum of 19 feet. The bedrock is deepest at the toe of the slope. Historic maps show a former mill tail race in this area. This may have been a natural split in the Sugar River channel that was used for the mill.

2.2.3 Site Hydrogeology

Groundwater flow direction was found to be north to northwest as influenced by topography and proximity to the Sugar River (EDR, 1996). Groundwater was encountered approximately 1.02 to 3.49 ft below ground surface (bgs). The average gradient is approximately 0.028 feet per foot and the direction of flow is to the north-northwest. Based on an assumed hydraulic conductivity and effective porosity of 2.83 feet/day and 35%, respectively (ERD, 1996) for the unconsolidated/fill materials that represent the local aquifer system, a horizontal velocity was computed using Darcy's flow equation. The resulting average velocity was determined to be 0.226 ft/day or ~83 ft/year (BARR, 2001).

2.2.4 Regional Groundwater Use

The Sugar River bounds the site to the west, and flows into the Connecticut River approximately 4.5 miles west of the site. The anticipated groundwater flow pattern and the location of the Site suggest that the primary discharge area for groundwater is the Sugar River. A well survey was conducted by BARR, and indicated no municipal wells in the town of Claremont. A well search conducted by BARR in 2001 identified incomplete addresses on some of the well logs. With the limited information available, it appeared that several

wells were located within half a mile of the site. However, due to the location of the site and the proximity to the river, nearby wells were not considered receptors to groundwater impacts at the site. Domestic, industrial and commercial wells located in Claremont are cased through the unconsolidated sediment overlying bedrock and infiltrate aquifers located between 125 and 800 feet bgs (BARR, 2001).

2.3 Site History

GEI reviewed the history of the Site using Brown's Directories, Sanborn Maps, and an internet search. The Claremont manufactured gas plant was built in 1859 to provide illuminating gas for Monadnock Mills and the town of Claremont. The original plant was most likely a coal gas plant, with the location of the retorts and single "round house" holder, with a capacity of 10,000 cu ft (Holder No. 1 on Figure 2). At some point in the 1880s, the Brown's Directories indicate that the Site process of manufacture was switched to the Hanlon-Johnston process, where oil gas was made in retorts and water gas was made in generators. The gasses were then mixed to achieve the desired degree of incandescence. This process was used until 1905 when the Brown's Directory indicated that the Site switched to the Lowe process. The Lowe process was used at the Site until gas manufacture ceased in 1946.

At some point between 1904 and 1910, a second water sealed holder with a capacity of 50,000 cu. ft. was added to the Site operation (Holder No. 2 on Figure 2). Construction was probably in 1905 when the gas manufacture process was switched and the Brown's production records show an increase from roughly 4 million cubic feet (mcf) per year to over 7 mcf. At this point in time, the round house most likely became the relief holder as is typical with similar MGP sites. The 1910 Sanborn map also shows the construction of a powerhouse immediately south of the gas works.

The 1918 Sanborn Map shows the addition of a penstock to the power house and the construction of boilers to its south. Between 1918 and 1925, the tail race to the north of the gas works was filled and a third holder (Holder No. 3 on Figure 2) was added to bring the total holder capacity to 250,000 cubic feet. Brown's indicates that gas manufacture ceased in 1946 and the system was converted to propane/air. The 1948 Sanborn map shows the power house as being operated by Central Vermont Public Service (CVPS). It also shows the addition of five horizontal oil tanks, possibly for propane storage, to the north of the gas works.

In the 1890s, the plant produced approximately two million cubic feet of coal gas per year. This doubled in the early 1900s to four million cubic feet per year. After the apparent installation of the first water gas set in 1905, production increased to an average of eleven million cubic feet per year. For the period from 1915 to 1931, production increased and averaged thirty two million cubic feet per year. The maximum reported production was in

1932 at fifty one million cubic feet. Production declined to similar volumes produced in the 1920s, until production ceased in 1946.

2.4 Previous Investigations

Several investigations have been conducted at the Site. The most recent investigation conducted was the Pre-Design/Pre-Characterization Investigation that was conducted April 20 to April 23, 2014. The investigation is described in detail in Section 3 of this RAWP. Prior investigations have been conducted at the property between 1996 and 2013. The following investigations have been completed to delineate potentially MGP-related soil and sediment impacts at the Claremont former MGP site:

- *Draft Phase II Environmental Assessment,* SCS Engineers, May 1996
- *Site Investigation Report, All-Star Gas NHDES #960123*, ERD Environmental, Inc. October 3, 1996.
- *Remedial Investigation Work Plan, Claremont MGP, Claremont, NH,* BARR, March 2001.
- *Preliminary Investigation Report Claremont MGP, Claremont, NH,* BARR, December 2001. (referenced in reports but not available for review)
- *Investigation Technical Memorandum, Claremont Former MGP, Claremont, New Hampshire,* BARR, June 2004.
- *Trip Report, Former Synergy Site, Lower Cul De Sac Place, Claremont, New Hampshire TDD 01-10-RV01 CERLIS ID#NH000105965,* Sovereign Consulting, Inc., TechLaw, September 7, 2010.
- *Trip Report: April 30 2012 – May 3, 2012, Synergy Site, Claremont, NH, Work Assignment No. SERAS-178*, Lockhead Martin SERAS, June 29, 2012.
- *Action Memorandum – Request for Removal Action at the former Synergy Site, Claremont, Sullivan County, New Hampshire*, from United States Environmental Protection Agency (EPA) to New Hampshire Department of Environmental Services August 8, 2013.
- *Sampling and Analysis Plan for the Synergy Site (Former) Claremont, New Hampshire*, Weston Solutions, Inc., October 2013.
- *Test Pit Excavation and Treatability Sample Collection Activities at the Synergy Site (Former) Memorandum, Claremont, Sullivan County, New Hampshire, TDD 01-11-05-0005,* Weston Solutions, March 10, 2014.

These reports provide information regarding the aerial extent of impacts and remediation objectives.

During the 1996 site investigation (SI), five soil borings were advanced and groundwater monitoring wells AG-1 through AG-5 were installed at the boring locations. Figures showing the locations and cross sections are included in Appendix B. Soil samples and groundwater samples were collected at those locations and indicated that soil was impacted to bedrock surface (~8 feet bgs) and groundwater analysis detected concentrations of benzene, toluene, ethylbenzene, and naphthalene.

The Preliminary Remedial Investigation (PRI) was completed in December 2001. Eight soil borings, GP-1 through GP-8, were installed to fill in data gaps from the SI. Additionally, nine locations were hand augured near the tank holder between the outer brick structure and inner metal tank structure. The figure with sampling locations is included in Appendix A. A sample, SED-4(GH), was obtained from boring HA-4, and a grab sample, Sed-5(GH), was collected from inside the inner metal tank holder at GB-1. Three wells were installed to measure groundwater elevation and flow direction and to obtain groundwater samples. An additional groundwater sample was collected in HA-4. Corresponding sediment and surface water samples were collected along the bank of the Sugar River. A vapor screening survey was conducted to evaluate the presence of volatile vapors; possible asbestos containing material (ACM) was identified at the site. The results of the PRI showed metal compounds, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) at concentrations above the S-2 and/or S-3 soil standards; GW-1 groundwater standards for SVOCs and VOCs were exceeded. GW-2 standards were exceeded at MW-103. Product (NAPL) was encountered at the bottom of wells AG-5 and MW-102. Ethyl benzene was detected at SED-2 and SED-3. Several SVOCs were detected at SED-2. Of the compounds detected at SED-2, only acenaphthene, fluroanthene, 2-methylnaphthalene, benzo(g,h,i)perylene, phenanthrene, and pyrene were also found at SED-3. Metals were detected at all three sediment locations. Surface water samples did not exceed class B, fresh water acute chronic standards.

During the Investigation Technical Memorandum (BARR, 2004) three borings, GP-9 through GP-11, and two rock cores, RC-1 and RC-2, were advanced. The rock cores showed no apparent impacts or migration pathways. Soil borings were field screened. The boring logs are included in Appendix B. Groundwater samples were collected from MW-1, MW-2, MW-101, MW-102 and MW-103. Benzene, ethyl benzene, toluene, 2-methylnapthalene and naphthalene were found to exceed GW-1 standards in MW-101. The concentration of several PAHs and benzene exceeded the GW-1 standards in MW-102; there was no analysis completed for SVOCs. Oil was sampled from MW-5, and found to have a specific gravity of 1.10 and a viscosity @ 60ºF of 7213 mm^2/s. Two composite sediment samples were collected from the Sugar River (SED COMP-1 and SED COMP-2) for toxicity bioassay analysis. SED COMP-1 identified impacts at 100% mortality rate for microbes. Upstream sample, SED COMP-2, identified moderate impacts with 60.6% survival rate for microbes.

The trip report prepared by Sovereign in 2010 reported that three shallow soil samples were collected using a hand auger: SS-01 (1-1.5), SS-02 (1-1.5) and SS-03, a duplicate of SS-02. Additionally, eleven composite soil samples were collected: DP-01 (0-4), DP-02 (0-6), DP-03 (0-3), DP-04 (3-7), DP-04 (7-9), DP-05 (0-7), DP-06 (0-4.5), DP-07 (0-4), DP-08 (0-1.5), DP-09 (0-4.5), DP-10 (0-7) and one duplicate of DP-02, DP-11 (0-6). Samples were analyzed for VOCs, SVOCs, and priority pollutant metals (PP metals): benzo(a)pyrene, naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, indeno (1,2,3-cd)pyrene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, 1,2,4-trimethylbenzene, ethylbenzene, 2 methylnaphthalene, fluorine, lead and arsenic. Three aqueous samples were also collected from the dilapidated former gasometer structure (Holder No. 1): SO-01 (6), SO-02 and SO-03 (duplicate of SO-02). Concentrations of VOCs exceeding the NHDES Ambient Groundwater Quality Standards (AGQS) included 1,2,4-trimethylbenzene, benzene, ethylbenzene, naphthalene, styrene, toluene, and total xylenes. Additionally, concentrations of 2-methylnapthalene, phrenanthene and lead exceeded the NHDES AGQS.

In June 2012, Scientific Engineering Response and Analytical Services (SERAS) conducted a focused sediment sampling event in the Sugar River. Sediment samples were collected by scuba divers in dry suits at the locations shown in the report's Figure 1, included in Appendix A. The sediment sampling analysis determined that there were contaminated sediments present in the river consistent with the coal tar compounds found at the site in soil and groundwater. Contaminated water was also present in the pore space below the river bed. It was noted that sampling caused visible sheening when the sediment was disturbed.

The Test Pit Excavation and Treatability Sample Collection Memorandum summarizes the extent of impacts across the site. Locations TP-01A through TP-07 and TP-12 contained coal tar contaminated soil. One test pit location (TP-02) revealed impacts began as shallow as eight inches bgs. An eight inch clay sewer pipe was encountered at the TP-08 location at 2.5 ft bgs. Bedrock was encountered at a depth of 2-3 ft bgs at TP-09. The Test Pit and Sample Location Map is included in Appendix B.

3. Pre-Design/Pre-Characterization Investigation

GEI conducted a Pre-Design/Pre-Characterization Investigation (PDI) to: delineate the extent of visibly MGP-impacted soil, confirm the presence of underground structures that may contain MGP residuals or hazardous substances, and confirm depth to bedrock surface across the site. Soil and sediment samples were collected for waste classification.

The remedial design investigation targeted soil removal areas. Based on a review of the historical investigations, additional soil sampling was necessary to delineate the extent of free and residual product in subsurface soil. Twenty-four soil boring locations were proposed to delineate the extent of impacts at the site. Two additional borings were added during the investigation to delineate impacts on the eastern portion of the Tail Race and a third additional boring was added to confirm depth to bedrock on the southwestern portion of the site. Samples were composited from each boring location with visible impacts to soil. The photo ionization detector (PID) then logged for soil properties and visual impacts. Boring logs are in Appendix C. Analytical results from the composited borings are included in Appendix D.

Soil borings, with the exception of CLMT-SB-20 through CLMT-SB-23, were completed by Northern Drill Service, Inc. of Northborough, MA using a track mounted Geoprobe rig and direct push drilling technology. The surveyed locations of the soil borings are presented on Figure 4. Samples were collected using disposable 2-inch diameter, 5-foot long acetate liners. The soil borings were advanced to the bedrock surface as determined based on auger refusal. CLMT-SB-20 through CLMT-SB-23 were completed by hand auguring until reaching refusal. Equipment was decontaminated between each boring location with Alconox methanol, nitric acid and deionized water. One additional sample was collected for waste classification; the location is shown in Figure 4. Sheen was noted when sediments were disturbed during sampling.

Samples were composited from various depths within each boring and homogenized in a stainless steel bowl, placed in laboratory-prepared containers, packed on ice and submitted to Accutest Laboratories of New England via courier. They were analyzed for the following parameters: percent solids, volatile organics by Method V8260STDSVOCs by Method AB8270STD, DRO, GRO, PCBs, VMS+MTBE, total cyanide, both total and % sulfur, CG Fingerprint, RCRA (8) metals, nickel, beryllium, antimony, thallium, vanadium and zinc. Analytical results will be provided upon request and will also be included in the contractor bid documents.

The depth to bedrock across the site was evaluated using the results of 22 soil borings. The underlying bedrock was encountered at depths ranging primarily from 4 feet bgs to 8 feet

bgs. At one location, CLMT-SB-15, bedrock was encountered as deep as 19 feet bgs. Bedrock depths surrounding that soil boring location were at depths of 8.5 to the west, 8 feet to the east and 13 feet to the south. This depth is anomalous and not representative of typical site wide depth to bedrock. Areas of higher topographic relief, CLMT-SB-1 and CLMT-SB-26, bedrock surface were encountered at 14 feet bgs and 17 feet bgs, respectively. Figure 5 shows a bedrock surface contour map.

Soil borings CLMT-SB-20 through CLMT-SB-23 were hand excavated and bedrock depth could not be confirmed at these locations. Soil boring CLMT-SB-7 was drilled over a former holder location that is 4 feet below grade. No sample could be collected below the holder to confirm bedrock surface depth.

4. Nature and Extent of Impacts

The EPA (August 2013) claims that approximately two-thirds of the Site is underlain by soil impacted with dense non-aqueous phase liquid (DNAPL) at the bedrock surface. Section IV Endangerment Determination, of the EPA Action Memorandum states "Actual or threatened releases of hazardous substances from the Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment."

Visible impacts of DNAPL in the soil and sediment represent the greatest known risk associated with potential exposure pathways. MGP impacts to subsurface soil have been observed or detected at several soil boring locations within the northwestern portion of the Site. Visible MGP impacts were apparent as DNAPL saturated soil, coated grains, blebs, bands of staining, and/or sheens. During the pre-design investigation, impacts at the Site were generally present starting at depths of approximately 1 or 2 feet and continuing to bedrock surface. A summary of geologic conditions and presence of impacts compiled from the pre-design investigation and review of previous investigative reports is provided below:

- Bedrock ranges in depth from a minimum of approximately 1.5 feet on the southern portion of the Site to approximately 12 feet deep within the tail race on the northern portion of the Site. At one location within the former tail race, bedrock is approximately 19 feet deep. The average bedrock depth is approximately 7 to 8 feet across the northern third of the Site and Light and Dense Non-Aqueous Phase Liquid (LNAPL and DNAPL, collectively NAPL) are present in the subsurface soils.
- The area of the former tail race provides a preferential pathway for accumulation of DNAPL along the sloping bedrock surface.
- DNAPL is present in well AG-5 and in soil borings drilled where the former tail race meets the Sugar River (G-9, G-10, and G-11).
- Aqueous-phase groundwater impacts are present in wells AG-2, AG-3, AG-5 and other more recent wells on the northern portion of the Site, with maximum concentrations of up to 30,000 µg/l of total VOCs.
- The depth to sediment below the Sugar River water surface (bathymetry) ranges from 1 to 7 feet in the area of the EPA study (2012). Sediment thickness ranges from a minimum of 6 inches to a maximum of 3 feet. It is assumed that bedrock underlies the river sediment based on refusal of the sampling equipment.
- Adsorbed-phase sediment impacts are present along the river from the area of Holder No. 1 to the north Site boundary.

- DNAPL is present in the sediments near the area where the former tail race meets the Sugar River. The water table at the Site is approximately 8 to 12 inches bgs. The measured flow gradient at the Site is generally west toward the Sugar River.

- 19 feet deep. The average bedrock depth is approximately 7 to 8 feet across the northern

- DNAPL is present in the sediments near the area where the former tail race meets the Sugar River. The water table at the Site is approximately 8 to 12 inches bgs. The measured flow gradient at the Site is generally west toward the Sugar River.

5. Removal Action Work Plan

GEI has developed this Removal Action Work Plan to achieve the outlined Removal Action Objectives (RAOs)/Proposes Removal Goals (PRGs). The following sections provide details on the potential exposure pathways, RAOs, the RAWP, and pre-mobilization tasks.

5.1 Removal Action Objectives/Proposed Removal Goals

Development of RAOs/PRGs requires an evaluation of potential exposure pathways resulting from the MGP-related impacts at the Site. The potential exposure pathways are:

- Direct exposure of human receptors to MGP residual materials in surface soils. Surface soils are defined as soils extending from the surface to 2 feet below grade. These soils pose a human health risk through dermal absorption, inhalation, or ingestion.
- Direct exposure to human receptors to MGP residual materials in subsurface soils. Subsurface soils extend from 2 feet to the bedrock surface. Soil disturbance, including excavation, can expose construction/utility workers through inhalation, ingestion, or dermal absorption.
- Direct exposure of human and ecological receptors to MGP residual materials in sediment. These sediments pose a human health and ecological risk through dermal absorption, or ingestion.
- Direct contact of human receptors to MGP residual materials in groundwater through dermal absorption and ingestion. Excavation can expose construction/utility workers through dermal absorption and ingestion.
- Direct contact of human and ecological receptors through leaching/seeping of free and/or residual product and dissolved-phased compounds to surface water.

The proposed RAOs include the following:

- Removal and stabilization of NAPL-impacted soil and removal of NAPL-impacted sediment associated with the former MGP production, which may act as a continuing source impacting soil, sediment, groundwater, and surface water.

Exposure pathways which do not pose an immediate threat to human health and the environment can be addressed through the NHDES Risk Characterization and Management Policy (RCMP) and Activity Use Restrictions (AURs). These potential exposure pathways will be addressed as follows:

- Residual dissolved-phase groundwater contamination, which may remain in place in the overburden aquifer, will be addressed through a Groundwater Management Permit (GMP). Details are presented in Section 8, Groundwater Management Permit of this RAWP.
- Adsorbed-phase soil concentrations which exceed NHDES soil standards that are not addressed through a removal action will be addressed through pathway elimination. The pathway elimination will be completed through engineering controls including the placement of a visual demarcation barrier and placement of clean fill approximately 2 feet thick. A risk assessment in accordance with NHDES regulations may also be conducted to develop an S-3 standard under scenarios where soils below the 2 feet clean fill cover and visual barrier may be contacted during future development or by site workers. AURs will be used to support soils addressed in this manner. The AURs are outlined in Section 7 of this RAWP.
- Adsorbed-phase sediment concentrations, which may remain in place following sediment removal, can be addressed through an ecological risk assessment.

5.2 Removal Action Summary

The removal action will include the excavation and removal of MGP-related visually impacted soil and sediment. The Removal Action has the following components:

1. Demolition and removal of above-grade MGP structures including the buildings, Holder No. 1 above-grade structure, AST cradles, and other structures (if encountered),
2. Evaluate soil below existing structures, post demolition, for potential impacts,
3. Removal of residual MGP materials (coal tar, oils, solid tar, and water mixture) from below grade MGP structures including Holder No. 1, Holder No. 2, the tar separator, cement tar tank, and others (if encountered),
4. Removal of below-grade MGP structures including the holder and building foundations, tar separator, tar tank, piping, and other structures (if encountered),
5. Removal of soils impacted with free and residual product (i.e., MGP-related coal tar, oils, solids) to the bedrock surface,
6. Removal of sediment soils impacted with free and residual product (i.e., MGP-related coal tar, oils, solids) to the bedrock surface,
7. Transport of the impacted soils to a treatment/disposal facility,
8. Evaluate soils not excavated as part of the Removal Action with post-excavation sampling and analysis,
9. Placement of a visual barrier over soils not excavated as part of the Removal Action,

10. Backfill of the Site to current grades with usable Site soils, imported "clean fill", or imported quarried material,
11. Clean cover of remaining soil exceeding New Hampshire Soil Remediation Standards, and
12. Site restoration.

Details regarding the required tasks and general methods for completion of the Removal Action are described in the following sections.

5.3 Project Organization

GEI has developed a dedicated project team for the Removal Action. This team will remain in place for the duration of the Removal Action, barring unforeseen circumstances. In which case, GEI will provide equally-experienced personnel as an alternate. GEI has developed a Project Organizational Chart to show the personnel relationships and chain-of-command for the project (Appendix E).

Client Contact: Anthony Rymar
In House Consultant: Barry Raus, P.G.
Project Manager/Project Geologist: Jamey Stynchula, P.G.
Project Engineer of Record: Chris Pray, P.E.
Staff Geologist: Lauren Sutton
Field Personnel: TBD

GEI will communicate with the EPA Region 1 On-Scene Coordinator (OSC), which is Gary Lipson and with John Regan, P.G., of the NHDES.

5.4 Removal Action Preparation

Removal Action preparation will consist of obtaining required permits, site survey, and site preparation procedures. Work is being proposed along the riverbank/in the Sugar River; therefore, local, state and federal permits will be required. Where possible, exemption from permits under federal regulations for EPA emergency removal actions will be granted through the assistance of the EPA OSC and NHDES. Prior to the commencement of removal activities, a site walk with EPA's Superfund Technical Assistance and Response Team (START) contractor, the EPA's OSC, and the remediation contractor should be conducted to review the RAWP and verify that the necessary tasks have been completed to commence work.

5.4.1 Removal Action Design and Bid Documents

Following approval of the RAWP, GEI will prepare Removal Action design documents, which will be signed and sealed by a Professional Engineer licensed in the state of New Hampshire, as required by NHDES regulations. The design documents will include project plans, specifications, and bid documents. The design documents will be provided to prospective remediation contractors for the preparation of competitive bids for the Removal Action. In consultation with GEI, Amerigas will select the remediation contractor with the best bid for the costs. Amerigas will provide a list of remediation contractors as vendors under contract with Amerigas for EPA review and approval, so that the selected contractor will then have EPA approval prior to the bidding process.

5.4.2 Permits

The Removal Action will be implemented in compliance with local, state, and federal permit requirements, as applicable. GEI conducted a preliminary due diligence with regard to required permits for the Removal Action. Permits required for the Removal Action fall into three general categories: wetland permitting, shoreland coordination, and municipal permits. The remediation contractor will be responsible for obtaining earth disturbance and construction permits. Some or all of the permits may not be required if an exemption is applicable under an EPA Consent Decree if the proposed Removal Action is considered an emergency. The permit requirements will be clarified in consultation with the EPA, NHDES, and other agencies following approval of the RAWP.

A Natural Resource Inventory (NRI) investigation has been completed to determine if unmapped wetlands are present within the Removal Action area, which may be regulated. Wetlands were identified and delineated at the Site. There are no exemptions of special coordination for EPA remediation projects for wetlands if work is being completed within Sugar River or its bank. Permits which may/are be required are summarized in the following sections. As of the date of this RAWP, GEI has initiated the permitting process.

5.4.2.1 USACE Programmatic General Permit

The New England District of the U.S. Army Corps of Engineers (USACE) created the Programmatic General Permit (GP) of New Hampshire to expedite review of minimal impact work in waters and wetlands in the state. Based on agency correspondence, this project should be eligible for GP issuance. However, if the project does not meet all of the GP criteria, an Individual Permit may be required. USACE does not regulate waterway or wetland adjacent areas. The GP requires coordination with the NHDHR. EPA completed this coordination, which resulted in a Memorandum of Understanding for the demolition of the buildings and site restoration signed by EPA, NHDHR, NHDES, and the City of Claremont.

5.4.2.2 Wetlands Permit Application

The state wetland regulating body is the NHDES Land Resources Management Wetlands Bureau. The Bureau has a standard wetlands permit application, which includes interagency coordination with USACE. The standard review for a minor impact project (disturbance less than 20,000 SF and less than 200 LF) is 75 days for NHDES and then 30 days for USACE. However, based on agency correspondence, NHDES and USACE will be expediting their review of this project. Since all regulated areas disturbed will be restored, the impacts will be temporary and mitigation will not be required. Adjacent property owner notifications are required as part of this permit process.

5.4.2.3 Shoreland Water Quality Protection Act

The state has a Shoreland Water Quality Protection Act and the section of Sugar River bordering the project site does fall under the associated regulated area, which includes a 250-foot buffer from the river. The Shoreland Act buffer does have an exemption for some remediation projects if there is coordination with the state's Waste Management Bureau. Correspondence with NHDES confirmed that this project is exempt and will not require a Shoreland Permit.

5.4.2.4 Natural Habitat Bureau

GEI completed the online NH Natural Habitat Bureau's (NHB) online Datacheck on August 11, 2014. NHB records indicated potential impacts due to identified state-listed rare species or communities within the general project vicinity. The Bureau then completed an official review and determined no impact is expected as a result of the proposed project (letter dated August 14, 2014).

5.4.2.5 Municipal Permits

The City of Claremont regulations under Zoning Permitting (Chapter 22) for:

- Floodplains (Division 14);
- Floodways (Division 15); and
- Stream banks (Division 16).

Coordination is through the Planning and Development Department. The City of Claremont is part of a Local River Advisory Committee (LAC) and does have a Conservation Commission (which may come into play for review of certain project sites and activities). The City defaults to the state for wetland permitting.

5.4.3 Community Relations/Public Information

The removal action will require the excavation and handling of impacted soils in close proximity to the town center. Residents who will potentially be affected by the Removal Action will be notified and briefed of planned activities via a public information meeting, as well as informational letters and pamphlets. Impacts to the residents from traffic, noise, dust and vapors related to the investigation activities will be monitored and controlled as appropriate. Specific controls implemented during the removal action are discussed in greater detail below and will include the following:

- The construction of a temporary chain link fence to limit access to all active work areas.
- The development of a traffic plan in conjunction with the City of Claremont to minimize the impact of truck traffic on the surrounding community.
- Vehicles entering and exiting the Site will follow posted traffic rules.
- Vehicles and equipment exiting the Site will be properly decontaminated to prevent spreading of impacted materials at the site.
- Staging and parking areas will be established and located in a secured area.
- Implementation of sediment and erosion controls as discussed in subsection 5.3.2.3.
- Work hours will be limited to between 7:30 am to 6:00 pm.
- The removal activities conducted will conform to the noise codes for the City of Claremont during all phases of the work.
- A perimeter air monitoring and control program will be implemented as described in subsection 5.5.
- Equipment will be placed in the secure staging area overnight and no open excavations or stockpiles will be left unprotected during non-working hours.

5.4.4 Health and Safety Plan

The removal contractor will prepare and implement a Site-specific HASP in accordance with Occupational Safety and Health Administration (OSHA) regulations. Site workers shall be trained in Hazardous Waste Operations and Emergency Response. The contractor's HASP will be reviewed by Amerigas and the EPA prior to the start of work to verify that it complies with OSHA and EPA requirements.

5.4.5 Site Preparation

Site preparation includes removal of onsite buildings and/or structures, onsite treatment and discharge of groundwater, soil erosion and sediment control measures, and temporary fencing.
Appropriate security measures should be in place at the start of remediation, including but not limited to, installation/repair of existing security fencing. Vegetation, debris, and/or existing structures will be removed as needed to provide proper clearance and space for onsite activities.

5.4.5.1 Fencing and Security

The Site is currently enclosed by a 4-foot high chain link fence with an access gate. The existing fencing will be augmented, as necessary, using a temporary 8-foot chain link fence placed outside the planned excavation perimeter along the public streets, site property, outside of the work area and along the Sugar River, where it does not already exist. The exact limits and placement details will be provided in the Claremont Bid Specification Package (CBSP).

5.4.5.2 Building and Vegetation Removal

The existing buildings and above-grade structures will be removed as part of the Site preparation. Removal of existing historic structures must be completed in compliance with the Historic Preservation Act and in coordination with the New Hampshire Division of Historic Resources (NHDHR) and documentation of the removal by a Historic Preservationist. Features of the structure may be retained due to historical significance. Preservation of these features will be coordinated through the NHDHR or the City Historical Commission. The EPA will be responsible for the historic documentation of the structures and has contracted a historic preservation company to fully document the site and its history as detailed in the MOA, signed May 30, 2014, which is included in Appendix A.

Initial lead-based paint (LBP) and asbestos containing material (ACM) surveys have been conducted and have identified LBP and ACM in the existing buildings. Additional LBP and ACM surveys may be required to obtain demolition permits. Removal and disposal of any identified regulated materials will occur prior to demolition. Demolition debris will be landfilled or recycled at properly licensed facilities.

Using track-mounted excavators and hydraulic hammers where necessary, the contractor will break up existing slabs, sidewalks and roadways and size the debris appropriately for transportation and disposal. Asphalt and concrete debris will be transported to an asphalt, brick, and concrete (ABC) recycling facility or to an approved and permitted Construction

and Demolition Debris (C&D) Landfill. If the material is impacted with MGP materials, it will be intermixed with the soils transported to the treatment/disposal facility.

Trees, bushes and landscape material removed will be cut at grade and chipped for use on Site or transported to the approved C&D landfill. Root material in the Removal Action areas will be excavated with the impacted soil and transported for disposal with impacted soil.

5.4.5.3 Soil Erosion and Sedimentation Control

An Erosion and Sediment Control Plan (E&S Plan) will be developed with the CBSP. As the removal activities are adjacent to the Sugar River, erosion control must be clearly described and shall include, if applicable, the contaminated soil stockpile area(s) prior to load out. The work will still require coordination with the NHDES to ensure that shoreland is properly protected during construction and stabilized after completion of the work. At a minimum, erosion and sedimentation controls will consist of the following best practices:

- Prior to excavating, a lined and bermed staging area will be designated and prepared.
- Perimeter compost filter sock, or hay bales and silt fence will be placed along the outside perimeter of the Site.
- Temporary staging areas will be relocated as various areas are excavated. Staging areas will be lined, bermed and/or graded toward the excavation, to prevent storm runoff from migrating off Site.
- Storm sewer inlets, if present, will be protected from runoff.
- Stabilized construction exits will be constructed to minimize tracking of Site materials on surrounding roadways.
- The CBSP will require the remediation contractor to maintain all E&S controls, provide for regular inspections and inspect and repair as necessary after storm events.

The E&S Plan will require EPA approval prior to the commencement of removal activities.

5.4.5.4 Turbidity Controls

To augment the E&S Plan, turbidity controls will be emplaced in the Sugar River pond west of the Site behind the dam. Turbidity controls will consist of turbidity curtains with a floating boom at the water surface and a curtain which extends to the river bottom. Additional absorbent booms will also be used to recover tars or oils on the water surface. Lowering of the pond elevation of the Sugar River behind the dam may also be used as an additional turbidity control.

5.4.5.5 Decontamination Area

Excavation equipment and trucks transporting soil off Site will be decontaminated as necessary prior to departure from the work area. Decontamination operations will be conducted within a decontamination pad that will be constructed in the contamination reduction zone (CRZ) at the Site. The location of the decontamination pad will be determined during construction. Adjacent street areas will be monitored and fugitive soil swept as necessary. Sweepings and soil contained by erosion controls will be transported off site as contaminated.

5.4.5.6 Utility Decommissioning

Utilities at the Site will be disconnected prior to performing the Removal Action. The New Hampshire Digsafe will be contacted and provided with excavation plans and other applicable documentation as part of this activity.

An active sanitary sewer line is located near the northern property boundary (Figure 3). The project bid specifications will require the protection of or a temporary bypass of the sanitary sewer line. If necessary, the sanitary sewer line will be replaced. The City of Claremont Public Works Department will obtain details regarding the sanitary sewer construction, prior to the preparation of the Removal Action design drawings and bid specifications. If replacement of the sanitary sewer line is determined, a construction plan will be developed for replacement in accordance with the requirements of the Claremont Public Works Department.

5.5 Management of On-Site Water

Soil excavations will occur below the water table. Sediment excavation will occur within the Sugar River. Managing water will be required during the Removal Action. GEI has determined that lowering of the Sugar River pond elevation behind the can be accomplished. GEI was informed that Pine Hill Construction, a local contractor, when working on the Monodnock Mills site lowered the pond elevation through unplugging an 8-inch pipe that runs under the dam.

If possible, the pond elevation will be lowered to a depth below where the former tail race discharges into the Sugar River. This will allow dewatering of the Site prior to excavation as the granular soils in the former tail race will drain into the river and lower the water table on the Site. During excavation, the impacted water entering the excavations will be collected via pumps and stored in 20,000 gallon frac tanks on Site. Standing water will be removed from Holder No. 1 and the two oil-water separators surrounding the holder. The water removed from those locations will require treatment prior to disposal.

Water will either be disposed of off-site or treated and discharged into the sanitary sewer. GEI will contact the City of Claremont Public Works Department to obtain details regarding requirements to discharge into the sanitary sewer, prior to the preparation of the Removal Action design drawings and bid specifications. A portable granular activated carbon treatment system will be used to treat the water prior to discharge. Effluent sampling will be conducted in accordance with the Public Works Department requirements.

5.6 Soil and Sediment Removal

Excavation to achieve the removal objectives, as described in subsection 5.1, will be performed with conventional excavating equipment to the horizontal excavation limits as defined by the proposed extent of excavation in Figure 6. Table 2 – Estimated Soil Volumes summarizes the volume calculation for each area shown in Figure 6. The Area of the former tail race is shown in cross-section in Figures 7a and 7b. The estimated volumes assume a flat bedrock surface and uniform depth. A total of volume of 4,070 cubic yards (6,920 tons) is estimated for excavation and disposal. The estimates include a 10% addition to the calculated volumes as a conservative measure.

The contractor will be required to lay out all excavation areas using a New Hampshire Registered Land Surveyor. The contractor shall be responsible for maintaining all excavation markers or replacing as necessary. The excavation will be sequenced to allow for a portion of the Site to remain at current grade while other portions are being excavated. The specific sequence of the excavation will be determined by the Site remediation contractor and submitted to Amerigas, and the EPA for review and approval. Areas will be backfilled once complete. Minimizing open excavation will promote stormwater control and minimize the potential for fugitive dust and vapors. Soil will be submitted to the disposal facilities referenced in subsection 5.9 for pre-approval prior to transport and disposal.

To the extent practical, soil will be directly loaded onto trucks for transportation to the landfill. Small working stockpiles may be required to maintain excavation activities. These stockpiles will be limited to less than one day's excavation volume, and be staged in an area constructed according to the requirements discussed in subsection 5.4.5.3 and be properly covered with poly sheeting and sand bags when not in use. Effort will be made to construct the staging area on impacted areas where excavation and soil removal will follow. The contractor will also segregate bulk solid waste and construction debris encountered during excavation for placement in the staging area and ultimate disposal.

The contractor will handle material in a manner that will protect Site personnel, the public, and the environment in accordance with all applicable Federal, State, and local laws and regulations and to prevent cross contamination and perform all excavations in accordance with OSHA regulations. Proper shoring and bracing and/or excavation sloping/benching shall be used below a depth of 4 feet bgs to ensure slope stability. The contractor shall

provide shoring or bracing system drawings stamped by a professional engineer prior to construction.

Depth to water at the site is approximately one to two feet bgs. Excavation is anticipated below the water table. The contractor shall be required to perform the excavation using techniques to minimize the water content of the excavated soil such that they can be transported in trucks without stabilization or other special measures.

During excavation, the contractor shall use mechanical dewatering techniques. If necessary, saturated soils will be stockpiled within the excavation to allow the soil to drain, as space and equipment allow, or a soil drying agent such as quick lime, cement kiln dust or lime kiln dust will be used for soils that are inherently too wet and cannot be dried sufficiently using other techniques.

It is anticipated that these limits will be modified and refined upon completion of the design investigation activities. The areal extent of the excavation will be based on meeting the RAOs.
GEI developed a conceptual plan showing the areas' soil and sediment which will require removal. The approximate average depth of the areas is shown on Figure 6.

GEI personnel will be on Site during the excavation process. GEI will guide the remediation contractor. Decisions on soil excavation depth and extent will be made in the field based on observations, if different than the proposed excavations areas and depths in Figure 6. As stated previously, the soils impacted with free and residual product (i.e., MGP-related coal tar, oils, solids) will be targeted for removal. Soil exhibiting staining and odors will not be targeted for removal.

Sediment will be removed using conventional excavation equipment. An excavator, capable of reaching the sediment in the Sugar River will be operated from the shoreline. The sediment will be excavated to the bedrock surface.

5.7 In-Situ Stabilization

ISS will be used to address NAPL in soils within portions of the former tail race area. ISS will create a relatively impermeable material that will help eliminate the groundwater to surface water migratory pathway. Areas 2, 3, and 4 on Figure 6 will be the area's target for ISS. Soil from the ground surface to a minimum depth of 4 feet will be excavated within the ISS area, which will allow for the anticipated volume increase. The estimated volume of soil requiring ISS is approximately 3,000 cubic yards. The volume of soil impacts addressed with ISS will be minimized to the extent possible based on subsurface conditions. The

bedrock surface elevation is expected to be highly variable. Excavation to the bedrock surface in localized areas of higher bedrock elevations will be completed as feasible.

The soils will be mixed using an excavator bucket and bentonite/cement mix. The excavation to access the soils at this depth will be benched or supported as necessary. The bidding contractors will be provided the Synergy Site (Former) In-Situ Stabilization Bench Scale Treatability Study SH0507, prepared by Kemron, dated May 30, 2014. The Contractor will use this data, supplemented as necessary, to develop a suitable mix for the ISS.

5.8 Confirmatory Sampling

Confirmatory sampling will be conducted to verify that free and residual NAPL has been removed and to evaluate soil remaining in place with respect to NHDES soil standards. Because the removal action will extend to bedrock, or the soil above the bedrock surface will be solidified, based samples will not be collected. Samples will be collected from the soils remaining in place along the horizontal extents of the excavation. Because of the steep bedrock slope on the north side of the Site, confirmatory soil sampling will likely not be feasible in this area. Confirmatory soil samples will likely be collected on the southern and eastern portion of the Site where the bulk of the soils will remain unexcavated.

Confirmatory soil samples will be collected as composite samples vertically from the top of the excavation to the bedrock surface. Samples may need to be collected with the excavator, based on the depth of the excavation, the ability to access the soils, and the presence of groundwater. The samples will be analyzed for VOCs PAHs, and RCRA metals.

5.9 Air Monitoring/Dust Control/Odor Control

The following section outlines the steps that will be taken to ensure that fugitive emissions are not leaving the site boundary and what measures are to be taken if elevated levels are detected. Given the fact that the contaminants of concern are quite pungent, measures will be taken to keep the odors from affecting the nearby population.

Airborne dust and vapor suppression measures will be implemented to control fugitive emissions related to the Removal Action. These actions will include the following or other measures to minimize air emissions:

1. Minimizing open excavations.
2. Applying water on exposed soil surfaces and/or roadways to suppress windblown dust.
3. Covering working areas of exposed soils and stockpiles with tarpaulins, vapor suppressing foam, or other vapor controls.

4. Modifying the means and methods of the work (i.e., using different or additional equipment, etc.).
5. Changing the sequence of activities.

A perimeter Air Monitoring Program (air monitoring plan or AMP) will be implemented at the time of the Removal Action. The program will keep real time measurements of dust, using a TSI Dust Trak or something similar, and VOC vapors using a PID with logging capabilities. These instruments will allow the data to be reviewed and adjustments can be made to control the dust and vapors as needed. The AMP will be provided to the EPA and NHDES prior to the start of work for review and approval.

5.10 Off-Site Soil Handling/Disposal

Amerigas will obtain EPA's certification that the proposed primary and secondary receiving facilities respectively listed below are operating in compliance with the requirements of CERCLA Section 121(d)(3) 42 USC 9621(d)(3), and 40 CFR 300.440:

Environmental Soil Management, Inc. of New Hampshire (ESMI NH)
67 International Drive, Loudon, NH 03307

Environmental Soil Management of New York (ESM NY)
304 Towpath Road, Fort Edward, NY 12828

The EMSI NH facility is designated as the primary facility. The plan is to use this facility. The EMSI NY facility will serve as a contingency facility in the event that EMSI NH cannot receive the soils from the Site.

One waste classification sample, CLMT-SB-21, exceeded the RCRA 20x rule for lead and two samples, CLMT-SB-14 and CLMT-SB17, exceeded the RCRA 20x for benzene. These samples were analyzed using the Toxicity Characterization Leachate Procedure (TCPL) and exceeded the EPA standards. Soil in these locations may need to be treated as hazardous and disposed of at a facility other than those listed above. The selected remediation contractor will identify a hazardous waste disposal facility as necessary. Additional waste characterization sampling will be completed by the contractor, as necessary, to reduce the volume of soil that needs to be disposed of as hazardous waste.

The quantity of soil estimated for removal prior to any off-site shipment of impacted materials from the Site, Amerigas will provide written documentation for the proposed disposal facilities to the on-scene coordinator (OSC) including:

- The type and estimated quantity of impacted material to be shipped.

- The expected schedule for shipment.
- The planned method of transportation.

Excavated soil will be transported under proper shipping documents to the appropriate and approved disposal facilities for thermal desorption. A copy of approved disposal facilities' acceptance of the soil, its permit to operate, bills of lading, and certificates of disposal will be included in the Removal Action Report which will be submitted at the conclusion of this Removal Action.

5.11 Backfilling and Restoration

Surface soil that is not impacted by free and residual product shall be used in part to backfill the Site. The remainder shall be backfilled with certified clean fill from off-site sources to return the elevation of the excavation area approximately to existing grade. Certified clean fill will meet EPA and NHDES requirements. Restoration will include surface grading, and utility replacement if necessary. Surface grade restoration on site will consist of covering the land surface with grass seed or hydroseeding, and maintaining it until the grass is established to prevent erosion. Site restoration will be completed in a manner compatible with the AURs. As discussed previously, the upper 2 feet of soil will be removed across the Site. A visual barrier will be placed over soils which are not excavated and may have adsorbed-phased concentrations of compounds exceeding the S-1 criteria.

Ground surface will be restored to its existing grade, with a slight slope to the west and Sugar River, and grassed areas adjacent to the excavation that are disturbed during remediation will be restored by seeding. GEI has prepared a detailed wetland restoration plan to restore the delineated wetlands which will require removal. The wetland restoration plan will be included in the Removal Action design drawings. Permanent fencing at the property boundaries will be replaced. Final site restoration details will be provided with Removal Action Bid Documents.

5.12 Contingencies and Decision Points

The final scope of the removal action will be determined as described previously in this document. The base scope of work anticipated is described above and is reflected in the schedule provided in Section 8. There are several contingencies that may be implemented based on the results of the site characterization and the final removal action scope. These contingencies may impact the duration of the Removal Action. The exact impact of potential contingencies cannot be determined at this time. Upon completion of the site characterization and development of the removal scope, Amerigas will submit a revised removal action schedule for EPA review.

5.13 Demobilization

Demobilization shall include removal of temporary erosion controls, decontamination facilities, temporary fencing and barriers, earthmoving equipment, tools, tarps, liners, and temporary office and sanitary facilities. In addition, surplus construction materials (e.g., stockpiles of certified clean fill and other earthen materials), waste materials, and rubbish will be removed from the Site and disposed of in accordance with applicable laws and regulations, as well as in accordance with landowner instructions.

6. Applicable or Relevant and Appropriate Requirements (ARARs)

ARARs are identified on a site-by-site basis for all on-site response actions where the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) authority is the basis for cleanup. The work being conducted is considered a time critical removal action under an EPA issued order and therefore ARARS apply only to the extent practicable considering the exigencies of the situation (NCP, section 300.415(i)). The ARARs that apply to the site are as follows:

40 CFR Part 262 Standards Applicable to Generators of Hazardous Waste

- Subpart B - Manifests
  - 262.20 : General requirements for manifesting
  - 262.21 : Acquisition of manifests
  - 262.22 : Number of copies of manifests
  - 262.23 : Use of the manifests
- Subpart C – Pre-Transport Requirements
  - 262.30 : Packaging
  - 262.31 : Labeling
  - 262.32 : Marking
- Subpart D – Recordkeeping and Reporting
  - 262.40 : Recordkeeping

40 CFR Part 264 Standards for Owners and Operators of Hazardous waste Treatment, storage, and Disposal Facilities

- Subpart I – Use and Management of Containers
  - 264.171 : Condition of containers
  - 264.172 : Compatibility of waste containers
  - 264.173 : Management of containers
  - 264.174 : Inspections
  - 264.175 : Containment
  - 264.176 : Special requirements for ignitable or reactive waste
  - 264.177 : Special requirements for incompatible wastes

40 CFR Part 264 Hazardous Waste Regulations – RCRA Subtitle C:

- 268-270 : Hazardous and Solid Waste Amendments Land Disposal Restrictions Rule

40 CFR Part 300.440 Procedures for Planning and Implementing Off-Site Response Actions (Off-Site Rule)

The OSC will coordinate with state officials to identify state ARARs, if any. In accordance with the National Contingency Plan and EPA Guidance Documents, the OSC will determine the applicability and practicability of complying with each ARAR, which is identified in a timely manner.

State ARARs:

RSA 482-A/Administrative Rules WT 100-900: Wetlands Permit

- Required for work in/adjacent to the Sugar River

Contaminated Site Management Rules: Env-Or 600:

- Soil and groundwater standards and requirements for the GMP and AURs

7. Groundwater Monitoring

A groundwater monitoring program will be instituted upon completion of the removal action. An application for a Groundwater Management Permit (GMP) will be submitted to the NHDES. Six wells will be installed into the overburden aquifer. The wells will be screened from the bedrock surface up to the water table, capable of intercepting the water table during seasonal highs. This will allow for observation of DNAPL and LNAPL.

The overburden wells will be installed as follows: three (3) along the shoreline near the Sugar River, two (2) in the central portion of the Site (one in the remediated area and one in the un-remediated area), and one (1) upgradient.

The wells will be sampled two weeks following installation to allow for equilibration. A second round of samples will be collected two weeks following the first round to establish post-removal baseline conditions. Volume-averaged purging techniques will be used to sample the groundwater. If the groundwater concentrations are below the NHDES standards, a request for cessation of sampling will be submitted to the NHDES. If concentrations exceed the NHDES standards, then the wells will be used to support twice yearly groundwater monitoring and sampling for duration as required by NHDES.

Three (3) bedrock temporary test holes (TTHs) will be installed to evaluate the potential for DNAPL in the bedrock. One will be installed in the deepest portion of the former tail race, one will be installed along strike of foliation near the Sugar River shoreline, and one will be installed on the southern portion of the Site (see Figure 8). The overburden soils will be cased off using 6-inch steel casing, installed a minimum of 5 feet into bedrock. A 20-foot open bedrock hole will be drilled at each location. Borehole geophysical testing will be conducted at each location to look for voids, which may allow the accumulation of DNAPL, and to characterize the bedrock structure. The holes will be gauged for DNAPL for a period of two weeks. If no DNAPL is observed, the wells will be sampled using volume-averaged purging techniques (3 to 5 well volumes) and sampled with a disposable Teflon bailer. The groundwater samples will be analyzed for VOCs, PAHS, and RCRA metals. If the concentrations are not indicative of the presence of DNAPL, the TTHs will be grouted closed. If additional monitoring or DNAPL recovery is warranted, the TTHS will be converted to permanent monitoring wells and added to the GMP for continued monitoring or DNAPL recovery.

8. Activity Use Restrictions and Institutional Controls

As contamination will remain on-site, Activity Use Restrictions (AURs) and other institutional controls will be required by NHDES to ensure ongoing prevention of exposure pathways. The AURs will be implemented in accordance with NHDES regulations ENV-OR 608.01 and will:

1. Establish prohibited and accepted Site Activities and uses to achieve or maintain protection of human health and the environment;
2. Be incorporated either in full or in reference into deeds, easements, mortgages, leases, licenses, occupancy agreements, or any other instruments conveying an interest in, or a right to use the property, or both;
3. Run with the land so as to be the responsibility of the property owner upon recordation;
4. Provide notice to holders of any interest in the Site of the existence and location of contamination subject to the restriction; and establish a duty to evaluate risks associated with proposed changes in Site activities and uses prior to any such change in accepted activities.

A site control plan will be developed in accordance with Section 300.415(I) of the National Contingency Plan to address site conditions as warranted. The post-removal site control will include actions necessary to ensure the effectiveness and integrity of the removal action after the completion of the on-site removal action.

9. Schedule

Within three months of receipt of EPA's final approval of this RAWP, the parties will begin implementing removal measures to remove impacted soil. Upon completion of these measures, a Removal Action Report will be provided to the EPA detailing completed activities.

As required by EPA, a preliminary schedule for remedy implementation is presented as part of the RAWP. Actual time frames for the various components of the removal action will be determined based on the property owner's scheduling requirements and availability of the selected removal contractor. In addition, seasonal factors will be considered when selecting a start date so that weather does not adversely impact the project schedule. Alteration to the following schedule may be requested based on the implementation of contingency measures.

Task/Milestone	Estimated Task/Milestone Duration (weeks)
Submission of RAWP to EPA	4 weeks
Prepare Bid Documents for Removal Action	2 weeks from approval of RAWP
Commencement of removal activities	8 weeks from EPA approval of RAWP and execution of MOA
Submission of RA Report to EPA	2 months from completion of removal activities

10. Reporting

10.1 Weekly Reporting

Amerigas will hold a weekly meeting/conference call on Site to discuss the project with the remediation contractor. Amerigas will provide written weekly work and cost reports to the EPA and NHDES. Weekly reports will be submitted by the Tuesday of the following week concerning the progress of the Removal Action at the Site. Reports will be in a letter format and include:

- Summary of activities performed during the previous week.
- Personnel onsite.
- Summary of planned activities for next two weeks.
- Detailed discussion of contingency items implemented or planned and schedule impact.
- Updated project schedule/schedule status including:
    - Deliverable Status
    - Meetings Planned
    - Field Activities Planned
    - Other significant milestones
- Community Relations Summary.
- Issues, concerns or unplanned activities and resolutions.

10.2 Deliverables

Amerigas will provide periodic deliverables throughout the project. Deliverables include:

- Final Removal Scope Summary including:
    - Contractor Bid and Scope Package
    - Updated Removal Action Schedule
- Removal Action Completion Report
    - Submitted within 45 days after the completion of the work described in Section 5
    - Shall include a summary of the removal activities

- Shall conform to the requirements set forth in Section 300.165 of the national contingency plan (NCP).
- Shall conform to Superfund Removal Procedures: Removal Response Reporting-POLREPS and OSC Reports (OSWER Directive No, 9630.3-03, June 1, 1994) if so instructed by the OSC.
- Shall include a good faith estimate of costs incurred to complete Removal Action.
- Shall include a listing of quantities and types of materials removed off-site or handled on site, a discussion of removal and disposal options considered for those materials, a listing of the ultimate destination(s) of those materials, a presentation of the analytical results of all sampling and analysis performed, and accompanying appendices containing all relevant documentation generated during the removal action.

11. Costs

GEI developed a preliminary cost estimate based on the RAWP. The cost estimate spreadsheet and supporting calculations are presented in Appendix F.

12. References

Brown's Directory of American Gas Companies, 1887 through 1965.

City of Claremont New Hampshire Tax Map, Index Sheet No. 120, Scale 1:2,700

Claremont South Quadrangle, New Hampshire-Sullivan County 7.5-Minute Series Topographic scale 1:24,000, U.S. Department of the Interior, United States Geological Survey, 1998

Claremont North Quadrangle, New Hampshire-Sullivan County 7.5-Minute Series Topographic, scale 1:24,000, U.S. Department of the Interior, United States Geological Survey, 1998

Environmental Data Resources, Inc., Sanborn Map Report, Inquiry No. 3490226.1, dated January, 9, 2013.

Lyons, J.B., Bothner, W.A., Moench, R.H., and Thompson, J.B., 1997, Bedrock Geologic Map of New Hampshire: New Hampshire Department of Environmental Services and United States Geological Survey, scale 1:250,000, two sheets.

National Contingency Plan (NCP): Section 300.165, Environmental Protection Agency: http://www2.epa.gov/emergency-response/national-oil-and-hazardous-substances-pollution-contingency-plan-ncp-overview

New Hampshire Code of Administrative Rules: Ambient Groundwater Quality Standards. http://des.nh.gov/organization/divisions/waste/hwrb/documents/rcmp.pdf

Superfund Removal Procedures: Removal Response Reporting-POLREPS and OSC Reports. Environmental Protection Agency; Office of Solid Waste and Emergency Response. OSWER Directive No, 9630.3-03, June 1, 1994

Synergy Site (Former) In-Situ Stabilization Bench Scale Treatability Study SH0507, Kemron Environmental Services, May 30, 2014.

Tables

Table 1
Soil Boring Summary
Claremont Former MGP Site
UGI/Amerigas Propane LLP

Boring ID	Easting	Northing	Elevation	Depth to Bedrock (ft bgs)	Observed NAPL Depth (ft bgs)	Bedrock Elevation (ft msl)	Observed Impact Description
CLMT-SB-1	806029.3778	319367.8540	516.1	14.0	6.42	502.1	Black staining
CLMT-SB-2	805929.3233	319494.2907	502.1	4.5	N/A	497.6	
CLMT-SB-3	805877.0103	319474.8840	503.2	3.0	N/A	500.2	
CLMT-SB-4	805913.9585	319522.6257	501.5	3.5	N/A	498.0	
CLMT-SB-5	805850.6039	319504.0243	502.1	6.0	1.42	496.1	Coated with black NAPL
CLMT-SB-6	805972.3149	319476.2722	503.4	5.5	N/A	497.9	
CLMT-SB-7	805875.5310	319548.5388	500.9	N/A	0.92	-	Coated with NAPL
CLMT-SB-8	805856.9695	319575.6713	500.3	8.0	0.92	492.3	Coated with NAPL
CLMT-SB-9	805943.2271	319556.2591	501.4	7.0	4	494.4	Coated with brown NAPL
CLMT-SB-10	805919.3731	319582.4426	500.7	7.0	2	493.7	Coated with blueish black NAPL
CLMT-SB-11	805890.7254	319598.1129	500.0	5.5	1.58	494.5	Black staining
CLMT-SB-12	805819.1043	319583.6917	499.9	8.0	1	491.9	Black staining
CLMT-SB-13	805849.4595	319638.2371	499.6	7.0	N/A	492.6	
CLMT-SB-14	805797.3795	319595.4019	499.3	13.0	1	486.3	Petroleum like sheen
CLMT-SB-15	805791.2986	319634.2817	498.0	19.0	0.67	479.0	Saturated with black NAPL
CLMT-SB-16	805756.6141	319644.3295	495.4	8.5	5	486.9	Coated with black NAPL
CLMT-SB-17	805775.8462	319591.3608	498.5	5.0	0.58	493.5	Black staining
CLMT-SB-18	805721.4080	319651.3742	495.0	8.5	5	486.5	Saturated with black NAPL
CLMT-SB-19	805733.9058	319594.9430	493.9	8.0	1.17	485.9	Black staining
CLMT-SB-20	805759.4555	319538.9839	501.4	N/A	N/A	-	
CLMT-SB-21	805753.1615	319522.2983	501.0	N/A	N/A	-	
CLMT-SB-22	805753.6234	319511.0458	500.6	N/A	N/A	-	
CLMT-SB-23	805770.2079	319491.4136	501.4	N/A	N/A	-	
CLMT-SB-24	805961.4467	319529.6306	503.0	7.0	2.58	496.0	Black staining
CLMT-SB-25	805978.2686	319504.8733	503.8	7.0	1.58	496.8	Coated with black NAPL
CLMT-SB-26	805794.3709	319452.1371	504.6	17.0	N/A	487.6	
CLMT-SB-27	805821.5246	319619.4759	498.8	8.0	1.33	490.8	Coated with black NAPL
CLMT-SED-1	805701.2873	319616.1408	N/A	N/A	N/A	-	

Table 2
Preliminary Volume Estimate
Claremont Former MGP Site
Claremont, New Hampshire

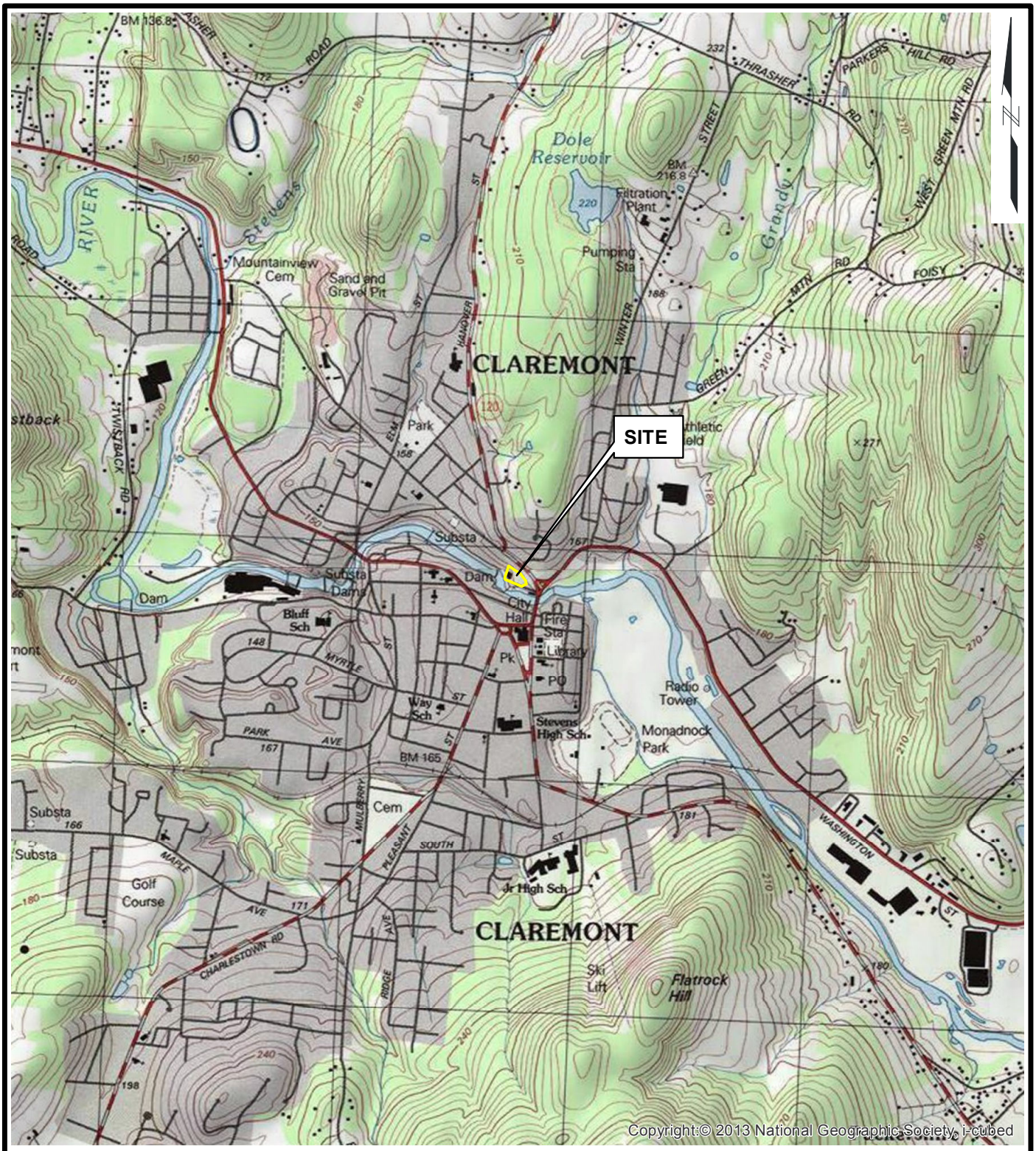
Location of Excavation	Plan Area ID Number	Volume Calculation *(based on Areas from Figure 6)*		Cubic Yards
Building Demolition - ***Genrator Building and Coal House***		Area Floors Perimeter Volume	4,065 SF 2 329 FT 97,560 CF	NA
Holder No. 1	**12**	Area Depth Volume	1,102 SF 4 FT 4,849 CF	180 CY
Holder No. 2	**10**	Area Depth Volume	1,438 SF 4 FT 6,327 CF	234 CY
Holder No. 3	**13**	Area Depth Volume	2,997 SF 2 FT 6,593 CF	244 CY
Former Tail Race #1	**5**	Area Depth Volume	5,699 SF 7 FT 43882.3 CF	1,625 CY
Former Tail Race #2	**6**	Area Depth Volume	1,953 SF 4 FT 8,593 CF	318 CY
Southwest of Holder No. 2	**9**	Area Depth Volume	2,244 SF 6.0 FT 14,810 CF	549 CY
Surrounding Holder No. 1	**11**	Area Depth Volume	1,117 SF 4 FT 4,915 CF	182 CY
West of Holder No. 1	**7**	Area Depth Volume	3,028 SF 2 FT 6,662 CF	247 CY
CLMT-SB-15 Area*	**4**	Area Depth Volume	583 SF 4 FT 2,565 CF	95 CY
CLMT-SB-14 Area*	**3**	Area Depth Volume	1,659 SF 4 FT 7,300 CF	270 CY
Remaining Large Area*	**2**	Area Depth Volume	8,686 SF 4 FT 38,218 CF	1,415 CY
Sediment Removal ***(soil removal and disposal costs applied, dredging not anticipated)***	**1**	Area Depth Volume	2,050 SF 3 FT 6,765 CF	251 CY
Total Volumes				
		With Building, With Sediment		
		Volume	249,040 CF	9,224 CY
		Without Building, With Sediment		
		Volume	151,480 CF	5,610 CY
		Without Building, Without Sediment		
		Volume	144,715 CF	5,360 CY
		With Building, Without Sediment		
		Volume	242,275 CF	8,973 CY

Notes:

Areas from AutoCAD drawing with an additional 10% added.

* - Areas will be excavated to a minimum of 4ft bgs and remediated via Insitu Stabilization (ISS) to bedrock

Figures



SOURCE:
USGS TOPO ACCESSED VIA www.arcgisonline.com

0 2,000 4,000
SCALE: 1" = 2000'

Removal Action Work Plan Claremont Former Manufactured Gas Plant Claremont, New Hampshire	GEI Consultants	**SITE LOCATION**
UGI-Amerigas Propane, Inc.	Project 1320460	September 2014 Fig. 1

J:\Projects\UGI\Claremont Former MGP NH\Site Location.mxd



LEGEND:

SEWER (APPROXIMATE)

HISTORICAL MGP STRUCTURES

SOURCES:

1. BING AERIAL IMAGERY © 2010 MICROSOFT CORPORATION AND ITS DATA SUPPLIERS ACCESSED ON 1/11/13 VIA ARCGIS ONLINE (www.arcgis.com).
2. 1918, 1948 AND 1963 SANBORN FIRE INSURANCE MAPS.

0 30 60

SCALE, FEET

Removal Action Work Plan
Claremont Former Manufactured Gas Plant
Claremont, New Hampshire

UGI-Amerigas Propane, Inc

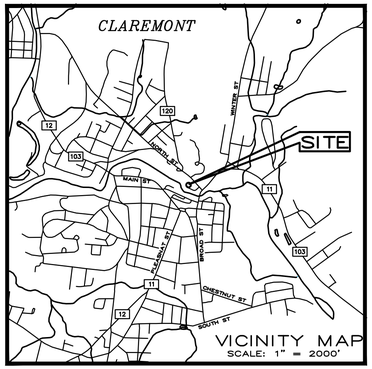
GEI Consultants

Project 1320460

AERIAL PHOTOGRAPH AND HISTORIC SITE FEATURES

SEPTEMBER 2014 Fig. 2

---- O:\Tech\Project\UGI\Claremont, NH\CAD\Claremont Former MGP Site Aerial View.dwg - 9/16/2014



LEGEND:

- PROPERTY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY LINES
- DRAINAGE LINE
- SEWER LINE
- FENCE LINE
- SHORE LINE
- CONCRETE
- IRON PIPE OR REBAR
- GRANITE OR CONCRETE BOUND
- UTILITY POLE
- GUY ANCHOR
- MONITORING WELL
- SEWER MANHOLE
- DRAIN MANHOLE
- WATER SHUTOFF
- HYDRANT
- CLMT-SB-19 SOIL BORING

ABBREVIATIONS:

CI	CAST IRON
MON	MONUMENT
FND	FOUND
EXP	EXPOSED
BND	BOUND
CONC	CONCRETE
U.G. ELEC	UNDERGROUND ELECTRIC
TRANS	TRANSFORMER
RET	RETAINING
R.O.W.	RIGHT OF WAY

A. PROTECTION NOTES:

1. SURVEY BY TOTAL STATION BETWEEN THE DATES OF OCTOBER 2013 AND MAY 2014. CONTROL TRAVERSE ERROR OF CLOSURE IS 1 IN 65,654.
2. HORIZONTAL DATUM IS BASED ON NH STATE PLANE COORDINATES NAD 83. VERTICAL DATUM IS BASED ON NAVD 88.
3. OWNER OF RECORD: SG PROPANE OF NH INC. PO BOX 6789 HELENA, MT 59604. BK. 841 PG. 260.
4. PARCEL IS ZONED MUM=MULTIPLE USE MILL DISTRICT: MINIMUM FRONTAGE=50'. BUILDING SETBACKS NEW STRUCTURE: FRONT & REAR=15', SIDE=10'. MIN LOT SIZE=10,000 SQ. FT. MAX. LOT COVERAGE=75%. THE PREMISES IS ALSO SUBJECT TO THE PROVISIONS OF THE HISTORIC OVERLAY DISTRICT. THE PORTION OF THE PREMISES ADJACENT TO THE SUGAR RIVER IS ALSO SUBJECT TO THE PROVISIONS OF THE FLOODPLAIN OVERLAY DISTRICT AND TO THE PROVISIONS OF THE SB STREAMBANK DISTRICT.
5. THE PORTION OF THE PREMISES ADJACENT TO THE SUGAR RIVER IS LOCATED WITHIN FLOOD HAZARD AREA ZONE AE AS SHOWN ON THE FIRM FOR THE CITY OF CLAREMONT MAP NO. 33019C0280E WITH AN EFFECTIVE DATE OF MAY 23, 2006.
6. THE SITE IS SUBJECT TO THE PROVISIONS OF THE SHORELAND WATER QUALITY PROTECTION ACT RSA 483-B.
7. THE UNDERGROUND UTILITIES DEPICTED HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND PLOTTED FROM EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE ARE, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS NOT PHYSICALLY LOCATED THE UNDERGROUND PORTION OF THE UTILITIES. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, ANY UTILITY COMPANY AND APPROPRIATE GOVERNMENTAL AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 1-888-344-7233.
8. THE INTERNET OF THIS PLOT IS TO DEPICT THE EXISTING CONDITION OF MAP 120, LOT 10.

B. REFERENCES:

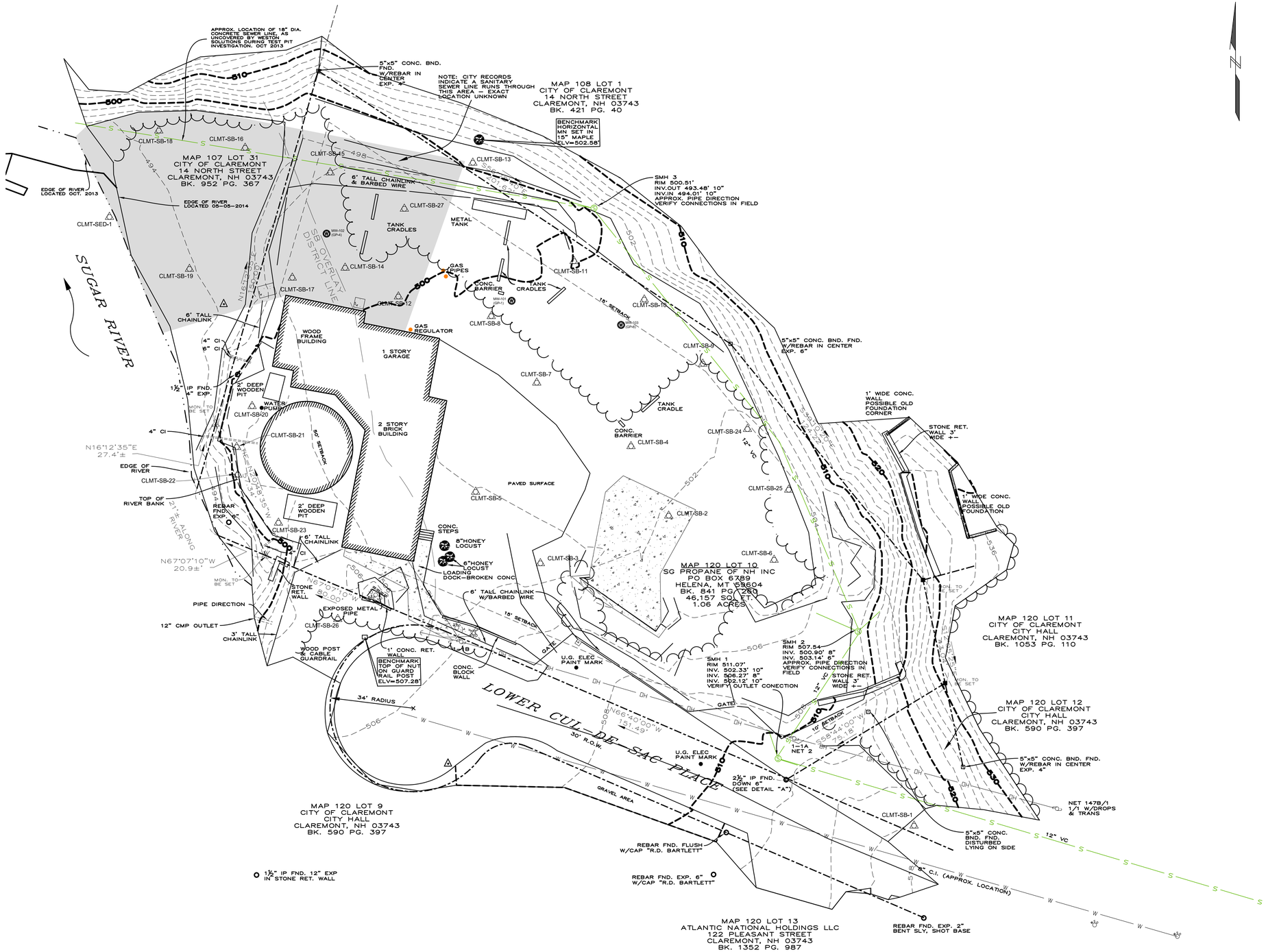
1. "BOUNDARY & SUBDIVISION MAP, LACASSE PARK, URBAN RENEWAL PROJECT #NH R-21, CLAREMONT HOUSING AUTHORITY", DATED APRIL 23, 1974 BY K.A. LECLAIR ASSOC. INC., RECORDED AT THE SCRD AS POCKET 2, FILE 2, PLAN #13, PLAN FILE 2.
2. "BOUNDARY PLAN OF FORMER JOY FOUNDRY OWNED BY CITY OF CLAREMONT", DATED FEBRUARY 25, 1993 BY WAYNE MCCUTCHEON ASSOC. INC., RECORDED AT THE SCRD AS PLAN #1189.
3. "PLAN OF PROPERTY TO BE CONVEYED FROM MONADNOCK MILLS TO MONADNOCK LAND COMPANY', DATED DECEMBER 1942 BY A.E. HOXIE, RECORDED AT THE SCRD AS BOOK 1 PAGE 295.
4. "SULLIVAN MACHINERY CO. CLAREMONT, NH", DATED JANUARY 10, 1905 BY RUSH CHELLIS, RECORDED AT THE SCRD AS BOOK 1 PAGE 35.
5. "BOUNDARY PLAT OF 57 BROAD ST. PREPARED FOR JESSEMAN ASSOCIATES", DATED APRIL 24, 2008, PREPARED BY THIS OFFICE. (UNRECORDED)

C. EASEMENT OF RECORD:

1. THE PREMISES WAS CONVEYED TO INCLUDE ALL PIPE LINES OF CLAREMONT GAS LIGHT COMPANY LOCATED OUTSIDE ITS OWN LANDS AND ALL RIGHTS, FRANCHISES AND EASEMENTS, AND RIGHTS OF THE GAS COMPANY IN AN TO THE RIGHT OF WAY TO THE LAND AND WORKS AND PIPE LINES OVER LAND OF THE MONADNOCK MILL FOR ALL PURPOSES NECESSARY. FOR FURTHER DESCRIPTION SEE V. 841 P.260.

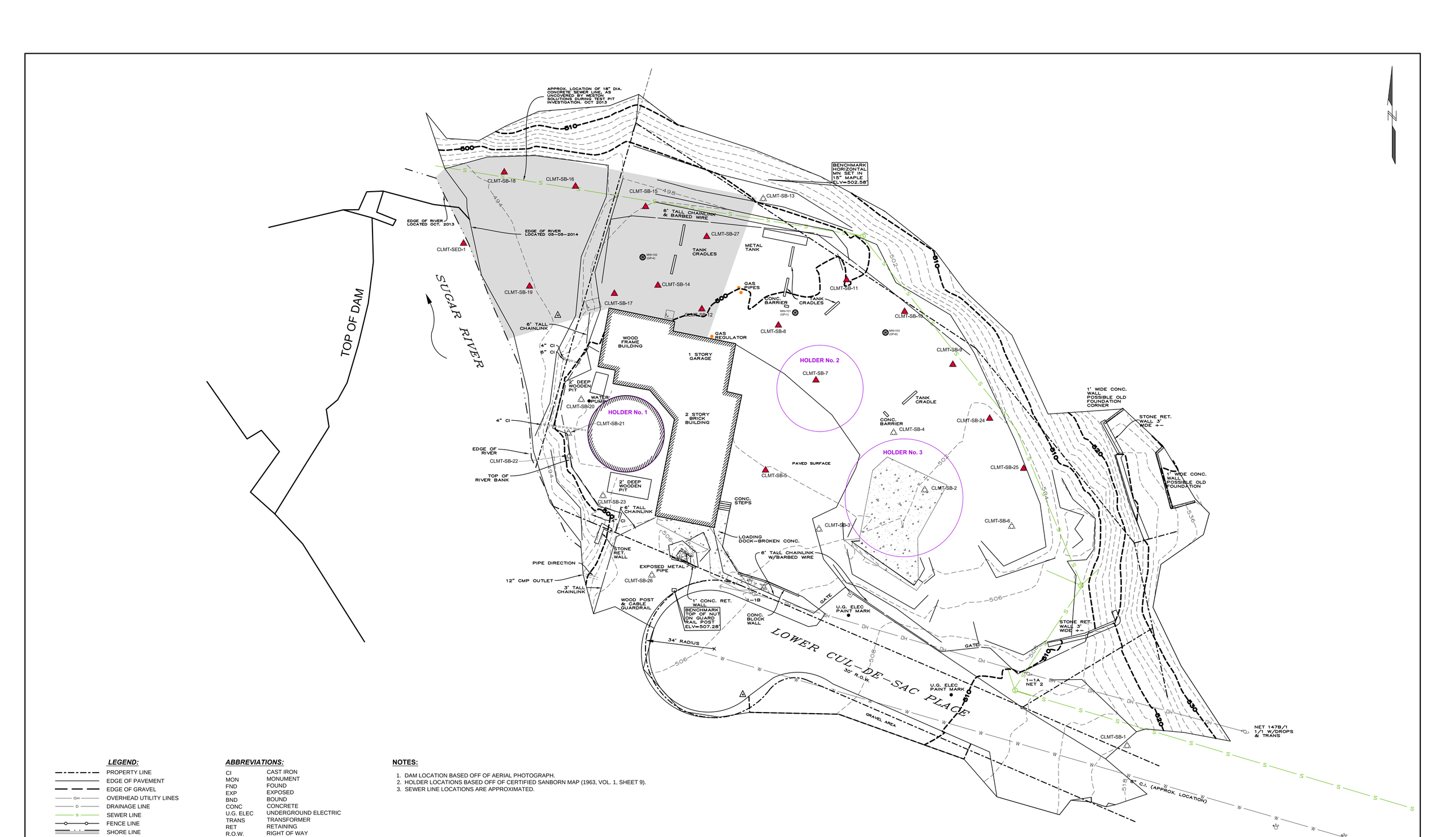
D. ADDITIONAL NOTES:

1. DAM LOCATION BASED OFF OF AERIAL PHOTOGRAPH.
2. SEWER LINE LOCATIONS ARE APPROXIMATED.



CLAREMONT FORMER MANUFACTURED GAS PLANT CLAREMONT, NEW HAMPSHIRE	GEI Consultants 18000 HORIZON WAY SUITE 200 MOUNT LAUREL, NJ 08054	**REMOVAL ACTION WORK PLAN**
UGI-AMERIGAS PROPANE, INC. READING, PENNSYLVANIA		**SITE SURVEY**
PROJECT 1320460		September 2014 Fig. 3

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LEGEND:

- PROPERTY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY LINES
- DRAINAGE LINE
- SEWER LINE
- FENCE LINE
- SHORE LINE
- CONCRETE
- IRON PIPE OR REBAR
- GRANITE OR CONCRETE BOUND
- UTILITY POLE
- GUY ANCHOR
- MONITORING WELL
- SEWER MANHOLE
- DRAIN MANHOLE
- WATER SHUTOFF
- HYDRANT
- CLMT-SB-19 SOIL BORING
- CLMT-SB-19 SOIL BORING WITH MGP-RELATED VISUAL IMPACT

ABBREVIATIONS:

CI	CAST IRON
MON	MONUMENT
FND	FOUND
EXP	EXPOSED
BND	BOUND
CONC	CONCRETE
U.G. ELEC	UNDERGROUND ELECTRIC
TRANS	TRANSFORMER
RET	RETAINING
R.O.W.	RIGHT OF WAY

NOTES:

1. DAM LOCATION BASED OFF OF AERIAL PHOTOGRAPH.
2. HOLDER LOCATIONS BASED OFF OF CERTIFIED SANBORN MAP (1963, VOL. 1, SHEET 9).
3. SEWER LINE LOCATIONS ARE APPROXIMATED.

CLAREMONT FORMER MANUFACTURED GAS PLANT
CLAREMONT, NEW HAMPSHIRE

UGI-AMERIGAS PROPANE, INC.
READING, PENNSYLVANIA

PROJECT 1320460

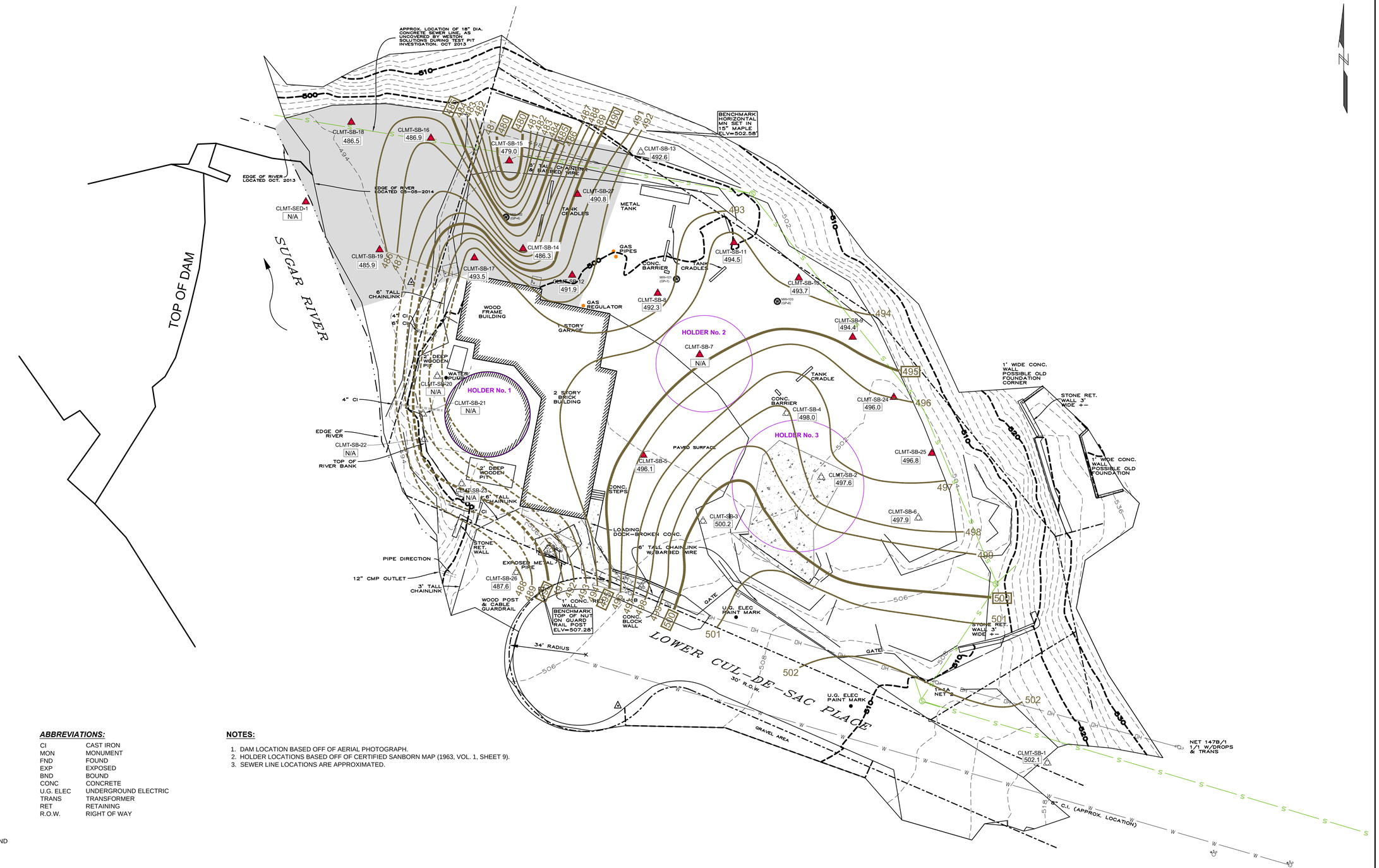
GEI Consultants
18000 HORIZON WAY
SUITE 200
MOUNT LAUREL, NJ 08054

REMOVAL ACTION WORK PLAN

SOIL BORING LOCATIONS AND SUMMARY OF IMPACTS

September 2014 Fig. 4

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LEGEND:

- PROPERTY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY LINES
- DRAINAGE LINE
- SEWER LINE
- FENCE LINE
- SHORE LINE
- CONCRETE
- IRON PIPE OR REBAR
- GRANITE OR CONCRETE BOUND
- UTILITY POLE
- GUY ANCHOR
- MONITORING WELL
- SEWER MANHOLE
- DRAIN MANHOLE
- WATER SHUTOFF
- HYDRANT
- CLMT-SB-19 SOIL BORING
- CLMT-SB-19 SOIL BORING WITH MGP-RELATED VISUAL IMPACT
- 496 BEDROCK CONTOUR (WITH ELEVATION MSL)
- INFERRED BEDROCK CONTOUR
- 496.8 BEDROCK ELEVATION (MSL) AT BORING
- N/A BEDROCK NOT ENCOUNTERED AT BORING

ABBREVIATIONS:

CI	CAST IRON
MON	MONUMENT
FND	FOUND
EXP	EXPOSED
BND	BOUND
CONC	CONCRETE
U.G. ELEC	UNDERGROUND ELECTRIC
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NOTES:

1. DAM LOCATION BASED OFF OF AERIAL PHOTOGRAPH.
2. HOLDER LOCATIONS BASED OFF OF CERTIFIED SANBORN MAP (1963, VOL. 1, SHEET 9).
3. SEWER LINE LOCATIONS ARE APPROXIMATED.

CLAREMONT FORMER MANUFACTURED GAS PLANT
CLAREMONT, NEW HAMPSHIRE

UGI-AMERIGAS PROPANE, INC.
READING, PENNSYLVANIA

PROJECT 1320460

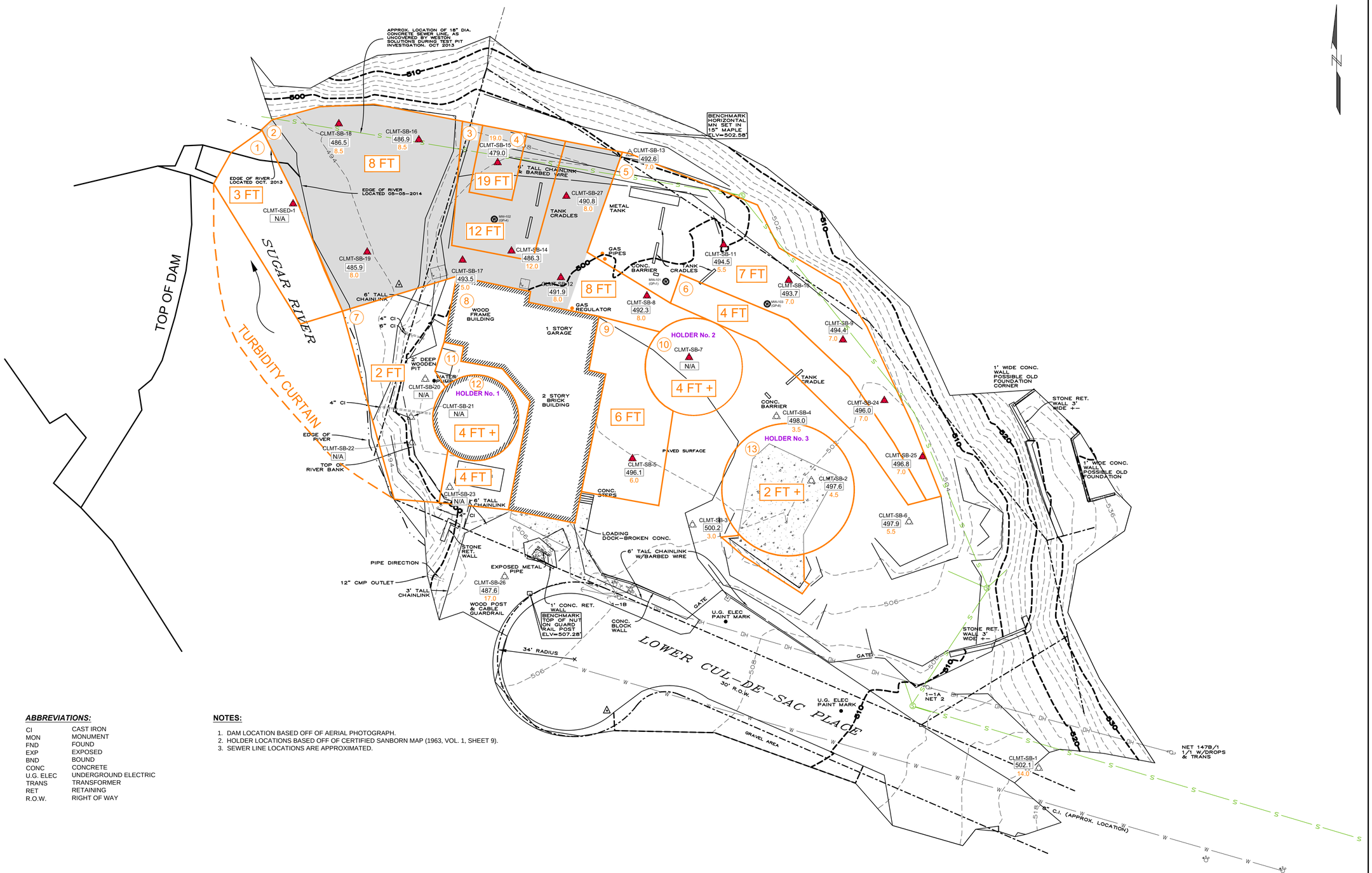
GEI Consultants
18000 HORIZON WAY
SUITE 200
MOUNT LAUREL, NJ 08054

REMOVAL ACTION WORK PLAN

BEDROCK CONTOUR MAP

September 2014 Fig. 5

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LEGEND:

- PROPERTY LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY LINES
- DRAINAGE LINE
- SEWER LINE
- FENCE LINE
- SHORE LINE
- CONCRETE
- IRON PIPE OR REBAR
- GRANITE OR CONCRETE BOUND
- UTILITY POLE
- GUY ANCHOR
- MONITORING WELL
- SEWER MANHOLE
- DRAIN MANHOLE
- WATER SHUTOFF
- HYDRANT
- CLMT-SB-19 SOIL BORING
- CLMT-SB-19 SOIL BORING WITH MGP-RELATED NAPL
- 496.8 BEDROCK ELEVATION (MSL) AT BORING
- N/A BEDROCK NOT ENCOUNTERED AT BORING
- 6 FT PROPOSED EXCAVATION DEPTH
- 7.0 DEPTH TO BEDROCK (FEET)
- (1) PROPOSED EXCAVATION AREA NUMBER
- INSITU STABILIZATION TO DEPTH BELOW OR EQUAL TO 4 FEET, AS NECESSARY

ABBREVIATIONS:

CI	CAST IRON
MON	MONUMENT
FND	FOUND
EXP	EXPOSED
BND	BOUND
CONC	CONCRETE
U.G. ELEC	UNDERGROUND ELECTRIC
TRANS	TRANSFORMER
RET	RETAINING
R.O.W.	RIGHT OF WAY

NOTES:

1. DAM LOCATION BASED OFF OF AERIAL PHOTOGRAPH.
2. HOLDER LOCATIONS BASED OFF OF CERTIFIED SANBORN MAP (1963, VOL. 1, SHEET 9).
3. SEWER LINE LOCATIONS ARE APPROXIMATED.

0 20 40
SCALE, FEET

CLAREMONT FORMER MANUFACTURED GAS PLANT
CLAREMONT, NEW HAMPSHIRE

UGI-AMERIGAS PROPANE, INC.
READING, PENNSYLVANIA

PROJECT 1320460

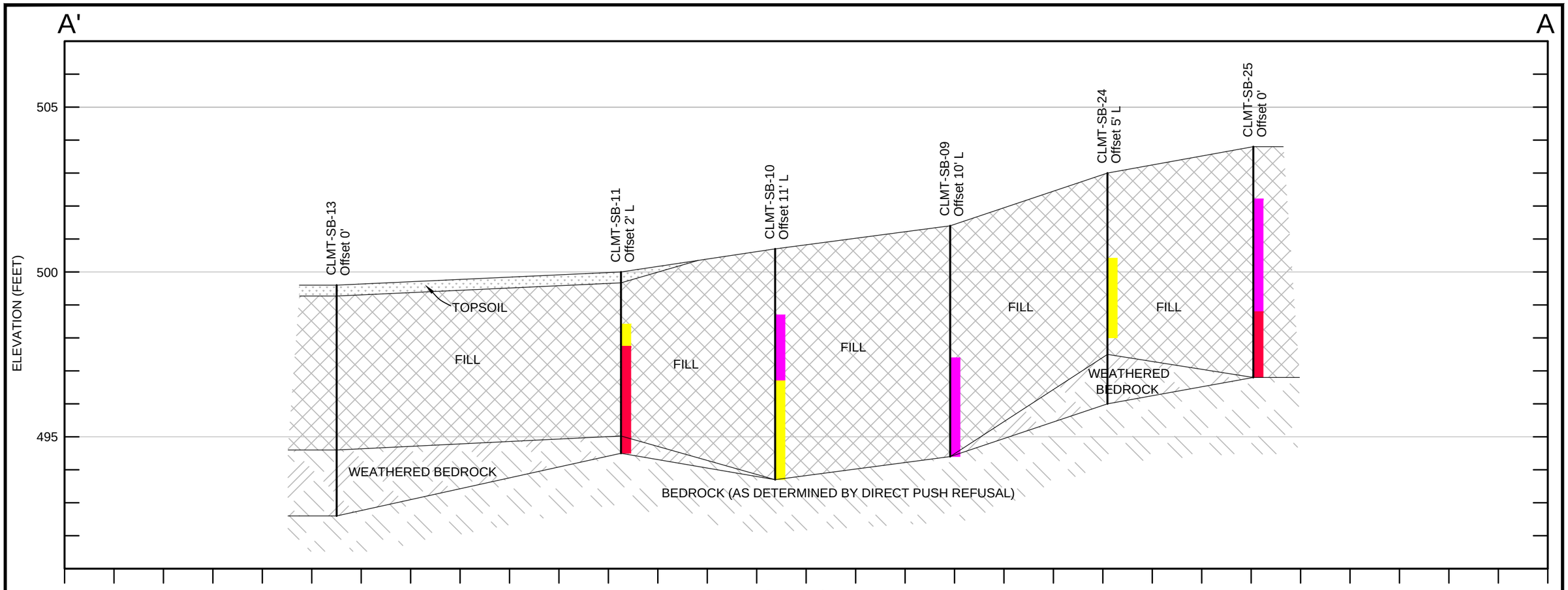
GEI Consultants
18000 HORIZON WAY
SUITE 200
MOUNT LAUREL, NJ 08054

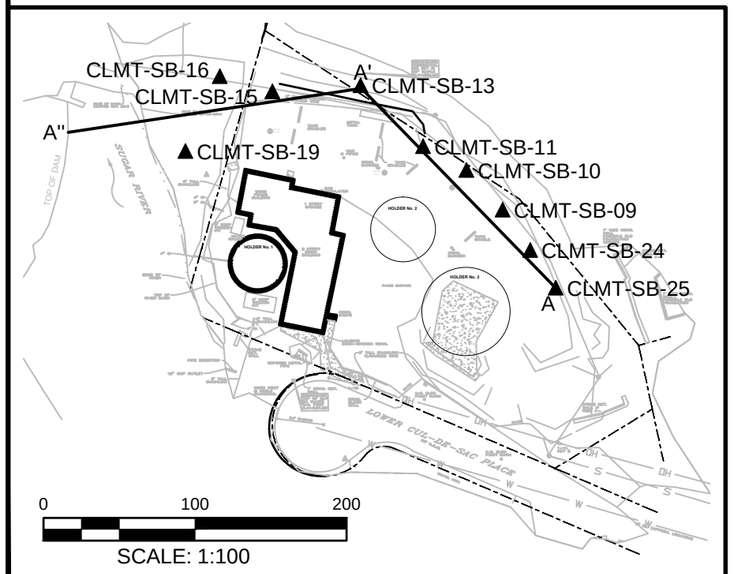
REMOVAL ACTION WORK PLAN

PROPOSED EXCAVATION PLAN

September 2014 Fig. 6

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LEGEND:

- APPROXIMATED STRATA
- SB-01 — SOIL BORING IDENTIFICATION
- TOPSOIL
- FILL
- SILT (ML)
- ORGANIC SOIL (OL)
- SILTY SAND
- WEATHERED BEDROCK
- BEDROCK

PHYSICAL OBSERVATIONS:

- NAPL SATURATED
- NAPL COATED
- STAINING

HORIZONTAL SCALE: 1:20

0 20 40

0 3 6

VERTICAL SCALE: 1:3

NOTES:

1. GROUND SURFACE ELEVATIONS AND SEDIMENT THICKNESSES ARE APPROXIMATE.
2. COMPETENT BEDROCK WAS DETERMINED BY GEOPROBE DIRECT PUSH REFUSAL.
3. SUBSURFACE CONDITIONS BETWEEN BORINGS MAY DIFFER. STRATIFICATION LINES ARE APPROXIMATE.
4. BATHYMETRIC SURVEY AND SEDIMENT THICKNESS ARE APPROXIMATED FROM LOCKHEED MARTIN SERAS REPORT DATED JUNE 29, 2012, TITLED "TRIP REPORT: APRIL 30, 2012 - MAY 3, 2012, SYNERGY SITE, CLAREMONT, NH, WORK ASSIGNMENT NO. SERAS-178."

Removal Action Work Plan
Claremont Former MGP Site
Claremont, NH

Amerigas Propane, L.P.
Reading, PA

GEI Consultants

CROSS SECTION A-A'

Project 1320460-3 | September 2014 | Fig. 7A

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A''

A'

ELEVATION (FEET)

500

495

490

485

480

CLMT-SB-19
Offset 25' R

CLMT-SB-16
Offset 21' L

CLMT-SB-15
Offset 5' L

CLMT-SB-13
Offset 0'

RIVER ELEVATION

DAM

SILT (ML)

SILTY SAND

FILL

FILL

FILL

FILL

TOPSOIL

ORGANIC SOIL (OL)

SILTY SAND

SILTY SAND

WEATHERED
BEDROCK

APPROXIMATE
SEDIMENT THICKNESS

WEATHERED
BEDROCK

BEDROCK
(AS DETERMINED BY
DIRECT PUSH REFUSAL)

BEDROCK
(AS DETERMINED BY
DIRECT PUSH REFUSAL)

DISTANCE (FEET)

HORIZONTAL SCALE: 1:20

0 20 40

0 3 6

VERTICAL SCALE: 1:3

Removal Action Work Plan
Claremont Former MGP Site
Claremont, NH

Amerigas Propan, L.P.
Reading, PA

GEI Consultants

CROSS SECTION A'-A"

Project 1320460-3

September 2014 Fig. 7B

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SOURCE:
1. 2011 ESRI WORLD IMAGERY

0 50 100
SCALE: 1" = 50'

Removal Action Work Plan
Claremont Former MGP Site
Claremont, New Hampshire

Amerigas Propane L.P.
Reading, Pennsylvania

GEI Consultants

PROPOSED MONITORING WELL LOCATION PLAN

Project 1320460 | September 2014 | Fig. 8

J:\Projects\Amerigas Propane\Claremont NH Former MGP\Proposed Well Locs.mxd

Appendix A

United States Environmental Protection Agency Documents

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

CONTAINS ENFORCEMENT-SENSITIVE INFORMATION

MEMORANDUM

DATE: August 8, 2013

SUBJ: Request for a Removal Action at the Former Synergy Site,
Claremont, Sullivan County, New Hampshire - **Action Memorandum**

FROM: Gary Lipson, On-Scene Coordinator
Emergency Response and Removal Section II

THRU: Steven R. Novick, Chief
Emergency Response and Removal Section II

Stanley Chin, Acting Chief SDC
Emergency Planning & Response Branch

TO: James T. Owens III, Director
Office of Site Remediation and Restoration

I. PURPOSE

The purpose of this Action Memorandum is to request and document approval of the proposed removal action at the Former Synergy Site (the Site), which is located at Lower Cul De Sac Place in Claremont, Sullivan County, New Hampshire. Hazardous substances present in soil (surface and depth) and river sediment at the Site, as well as a continuing source of contamination in groundwater which flows towards and into the adjacent Sugar River, if not addressed by implementing the response actions selected in this Action Memorandum, will continue to pose a threat to human health and the environment.

There are no nationally significant or precedent-setting issues associated with this Site, and there has been no use of the OSC's $200,000 warrant authority.

II. SITE CONDITIONS AND BACKGROUND

CERCLIS ID# : NHN000105965
SITE ID# : 01HA
CATEGORY : Time-Critical

A. Site Description

1. Removal site evaluation

This Site is the location of a defunct manufactured gas plant (MGP) which is heavily impacted by an oily waste product (coal tar). The product appears to be the residual from the historic manufactured gas process. Coal tar is a brown or black liquid, which smells of naphthalene and aromatic hydrocarbons and is among the by-products when coal is carbonized to make coke or gasified to make coal gas. Coal gas is a flammable gaseous fuel made from coal and was supplied to the Monadnock Mill Complex located directly across the Sugar River, via a piped distribution system. In 1944, gas production ceased and the North American Utility and Construction Corporation acquired a controlling interest in the Site where it began distributing propane from the Site. Propane distribution was the primary function of the Site under a variety of owners until the property was abandoned sometime within the past few years.

On June 14 and 15, 2010, surface and sub-surface soil and sediment samples were collected from the Site as part of a preliminary assessment/site investigation (PA/SI). A second assessment was conducted in the adjacent Sugar River on May 1 and 2, 2012, and additional surface samples were collected on September 13, 2012. Visual observation, field instrumentation, and laboratory data indicate that approximately two-thirds of the Site is impacted by coal tar. The oily product is perched on bedrock, is leaching into the adjacent Sugar River, and has been detected in numerous surface soil samples above state standards. Minimal disturbances of surface sediments in the river caused visible sheening. Constituents of the product include semi-volatile organic compounds (carcinogenic and non-carcinogenic polynuclear aromatic hydrocarbons [PAHs]) and to a lesser degree, volatile organics and inorganics.

Based upon the presence of elevated levels of hazardous substances and current site conditions, a time critical removal action was recommended to address this release of hazardous substances in the Site Investigation Closure Memorandum dated September 8, 2010.

2. Physical location

The Former Synergy Site is adjacent to the north and eastern bank of the Sugar River near the center of the Town of Claremont on the western side of the intersection of North Street and State Route 11. The Site encompasses the following property parcels identified by the City of Claremont GIS Map System as: Lower Cul De Sac Place, Map 120, Lot 10 (Deed Book 841, Page 260); and portions of the City-owned parcels identified as 14 North Street, Map 108, Lot1 (Deed Book 421, Page 40) and North Street, Map 107-31 (Deed Book 952, Page 367). The current owner of the non-City owned parcel is identified on the 2010 Property Tax Bill and on the property field card is SG Propane of NH, Inc. The Lower Cul De Sac Place property has also been referred to in the past as 59 Broad Street. SG Propane of NH, Inc. was deeded this property from Claremont Gas Light Company on February 25, 1988. The approximate latitude and longitude is N 43°22'28" and W 72°20'15", respectively.

3. Site characteristics

The portions of the City owned parcels that comprise the Site do not have any structures. The privately-owned parcel is approximately 50,000 square feet and contains two structures. The first structure is a two story brick and wood office/warehouse in various stages of disrepair. The second is the dilapidated remains of a circular, brick structure that is currently filled with water and coal tar residue and at one time served as a gasometer for the manufactured gas plant. A portion of the ground surface throughout the property is asphalt or concrete and the remainder contains sandy gravel and light to heavy vegetation. The north, northeast and eastern edges of the Site border a steep rise up to North Street and the Sugar River borders the western edge. The southern portion is bordered by an asphalted Cul De Sac, which continues up to Broad Street. Residential and commercial buildings are on the far side of North and Broad Streets. A revitalized mill containing a hotel, restaurant, and various commercial enterprises are across the Sugar River to the west. The Site topography on the northern and western portions of the property slope towards the adjacent Sugar River and the groundwater, based on previous studies, flows from the south towards the north, northwest, again, towards the river.

According to the US EPA area planning mapping tool, there are approximately 1,200 people within ¼ mile of the site, and greater than 4000 people within ½ mile of the site as well as four day care centers and one nursing home.

According to US EPA's EJ Screen, the Site is not in, but close to (.2-.3 miles) a low income environmental justice area.

4. Release or threatened release into the environment of a hazardous substance, or pollutant or contaminant

The hazardous constituents of the manufactured gas process and in particular coal tar, include a number of PAHs, which are a subset of semi-volatile organic compounds. PAHs are a group of chemicals that are formed during the incomplete burning of coal, oil, gas, wood, garbage, or other organic substances.

During the 2010 PA/SI, soil core samples were collected in 10 locations throughout the property at varying depths from 0-9' below grade and two sediment samples were collected at the river's edge at approximately 1' below grade. In all 12 locations, 1 or more PAHs were detected at levels higher than the New Hampshire Department of Environmental Services (NH DES) Method 1 S-2 Soil Standards. These standards apply to sites where exposure may occur to a receptor that comes in contact with the contaminated soils in a work environment or in a passive recreational setting. In many cases, the concentrations detected were an order of magnitude higher than the S-2 standards and in some cases, 2 orders of magnitude higher. Please refer to Table 1 for analytical data.

The Department of Health and Human Services (DHHS) has determined that benz[a]anthracene), benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are known animal carcinogens. The International Agency for Research on Cancer (IARC) has determined the following: benz[a]anthracene and benzo[a]pyrene are probably carcinogenic to humans; benzo[b]fluoranthene, benzo[k]fluoranthene, and indeno[1,2,3-c,d]pyrene are possibly carcinogenic to humans. EPA has determined that benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are probable human carcinogens.

Other hazardous constituents that have not been determined by DHHS, IARC, or EPA to be carcinogenic, but also exceeded the NH DES Method 1 S-2 Soil Standards were fluorene, 2-methylnapthalene, naphthalene (PAHs); 1,2,4-trimethylbenzene, ethylbenzene (volatile organics); and arsenic and lead (inorganics).

All constituents identified in Tables 1 and 2 are listed in 40 CFR §302.4, table 302.4, CERCLA List of Hazardous Substances.

As previously mentioned, the Site is adjacent to the Sugar River. When samples were collected at the rivers' edge during the original PA/SI, a slight disturbance of shallow sediment resulted in a sheen to the water. During the second EPA assessment in 2012, divers were used to collect sediment and water samples and to help determine if the site was discharging groundwater (and accompanying coal tar) to the river or if the river was recharging to the site. While performing these tasks, a number of oily rainbow sheens and some free product (and accompanying odors) were seen emanating from the work areas.

Slight disturbance of the sediment caused by either walking or probing appeared to have caused the release of coal tar that was perched on bedrock or settled into rock fissures. It was not clear if there was discharge or recharge occurring, but due to the wide variation in river flow, depending on precipitation and dam releases, it is assumed that both occur. According to city officials, at times of low river flow such as late summer, coal tar can routinely be seen emanating from the river bed at the edge of the Site property. The river is classified by the State of New Hampshire as a class B waterway, considered to be fishable and swimmable. There are at least two water intakes (non potable) within 1 downstream mile.

Surface soil sampling (0-3") conducted in 2012 showed that state standards for PAHs were exceeded in 11 of 12 samples for a minimum of at least one constituent. Please refer to Table 2 for analytical data.

A petrochemical odor of varying intensity is usually present throughout the site, depending on the time of day and year as well as temperature, wind conditions, and humidity.

5. NPL status

The Site is not currently on the National Priorities List, and has not received a Hazardous Ranking System rating. In 2010, the On-Scene Coordinator (OSC) met with a member of the Technical & Enforcement Support Section within the Office of Site Remediation and Restoration in Region 1 to determine if there was any possibility that the Site may be eligible for the NPL. A Pre-CERCLIS screening was conducted at that time, but it appeared doubtful that the Site was eligible to be an NPL candidate.

B. Other Actions to Date

1. Previous actions

NH DES first brought the Site to the attention of US EPA during the summer of 2008 as they had been negotiating unsuccessfully with a potentially responsible party for a number of years.

Table 1: Depth Sampling: 6/14&15/10

Sample Number / NH Surface Soil Standards	SS-01	SS-02 SS-03 (Dup)	DP-01	DP-02 DP-11 (Dup)	DP-03	DP-04	DP-04	DP-05	DP-06	DP-07	DP-08	DP-09	DP-10	NH S-2
Depth Below Grade	1-1.5'	1-1.5'		0-6'	0-3'	3-7'	7-9'	0-7'	0-4.5'	0-4'	0-1.5'	0-4.5'	0-7'	
Polynuclear Aromatic Hydrocarbons – Carcinogenic														
Benzo(a) anthracene	130	38 357		25 11			6.2	120	150	91			15	4
Benzo(a) pyrene	8.3	25 200	.9	15 7.1	1.2		4.5	89	96	59	1.2	4.1	13	.7
Benzo(b) Fluoranthene	7.4	13		9.4 5				440	55	25			9.1	4
Benzo(k) Fluoranthene								51	72					36
Dibenzo(a,h) Anthracene	1.6			1.5					16				2.6	.7
Indeno(1,2,3-cd)pyrene	5.5	8.7 12		6.5 3.6				27	47	19			7.7	4
Polynuclear Aromatic Hydrocarbons – Noncarcinogenic														
Fluorene								290	400	220				77
2-methylnapthalene										1900				100
Napthalene		15 21		54 35		32	67	820	690	2200			84	5
Inorganics														
Arsenic							110			22				11
Lead									470	580			5400	400

Concentrations in mg/kg (PPM)

2. Current actions

After numerous attempts to obtain access from the alleged property owner over a period of several years, access was granted on May 3, 2010.

On May 14, 2010, EPA On-Scene Coordinator Gary Lipson met with NH DES and Claremont officials at the site to begin planning for a PA/SI.

Table 2: Surface Soil Sampling: 9/13/12

Sample number / NH Surface Soil Standards	01	02	03	04	05	06	07	08	09	10	11	12	NH S-1	NH S-2	NH S-3
Polynuclear Aromatic Hydrocarbons – Carcinogenic															
Benzo(a) anthracene	**1.4**	**12***	**4.7***	ND	**26***	**34***	**91***	**7.6***	**17***	**3.7**	**2.4**	**4.3***	1	4	52
Benzo(a) pyrene	**1.8***	**3.8***	**2.5***	ND	**31****	**15****	**38****	**6.3****	**13****	**6****	**1.8***	**2.5***	.7	.7	5
Benzo(b)fluoranthene	**1.5***	**10***	**4.8***	ND	**26***	**54****	**55****	**8.6***	**25***	**5.5***	**1.6**	**5***	1	4	52
Benzo(k)fluoranthene	1.6	9.5	4.6	ND	**26**	**46**	**55**	7.4	**22**	5.2	1.8	4.1	12	36	520
Chrysene	1.8	17	7.2	ND	34	70	**130**	10	26	5.4	3.2	6.4	120	360	2200
Dibenzo(a,h)anthracene	.39	**1.4***	**.79***	ND	**5.1****	**8.6****	**8.9****	**1.3***	**3.6***	**1***	ND	**.9***	.7	.7	5
Indeno(1,2,3-cd)pyrene	**1.2**	**3.5**	**2.3**	ND	**21***	**25***	**26***	**4***	**10***	**4.3***	.8	**2.6**	1	4	52
Polynuclear Aromatic Hydrocarbons – Noncarcinogenic															
Acenaphthylene	1.9	5.6	2.4	ND	7.9	22	42	38	17	5.5	1.5	3.5	490.	490	490
Anthracene	.76	3.3	1.6	ND	5.9	8.8	27	2.7	8	1.4	.77	1.7	1000	2500	5000
Fluoranthene	1.3	16	7.3	ND	29	29	160	11	20	5.1	3.3	5.5	960	2500	5000
Fluorene	ND	.32	ND	ND	1.4	3.1	5.4	.66	2.2	.36	ND	ND	77	77	77
2-methylnapthalene	.42	5.6	.46	ND	2.3	2.2	3.3	1.8	3.9	.7	.33	1.8	96	100	100
Napthalene	.6	**6.6****	.67	ND	**38****	**29****	2.2	.98	**6.3****	.66	.4	2.2	5	5	5
Benzo(g,h,i)perylene	1.7	3.6	2.6	ND	27	26	28	4.4	11	6.6	.97	2.9	960	2500	5000
Phenanthrene	.67	7.6	5.1	ND	16	8.5	97	8.5	11	6.4	1.5	4.2	960	2500	5000
Pyrene	2.5	26	11	ND	47	50	240	15	26	9.6	6.3	11	720	2500	5000

Bold : exceeds NH S-1 Concentrations in mg/kg (PPM)
* : exceeds NH S-2
** : exceeds NH S-3

On June 3, 2010, EPA and EPA's Superfund Technical Assessment and Response Team (START) contractor met at the site for an initial walk-through, and then mobilized on June 14, 2010 to begin sampling activities.

Additional PA/SI activities were conducted in May 2012 when an EPA led dive-team collected surface water and river sediment samples. Additional soil surface samples were collected in September 2012.

Further request for access letters were sent by EPA in 2012 to both the City of Claremont, who is the owner of adjacent parcels that are potentially contaminated, and to a suspected new owner of the property in question. Access was granted by both parties.

C. State and Local Authorities' Roles

1. State and local actions to date

Due to an underground storage tank (UST) removal and the excavation of approximately 10 cubic yards of petroleum-impacted soil in 1995, NH DES requested that a site investigation (SI) be conducted by the current operator at that time, All Star Gas. In May, 1996 ERD of Brattleboro, VT conducted the SI that included: the installation and sampling of five soil borings to bedrock; the installation of five monitoring wells; and the collection of soil and groundwater samples. Also in May 1996, SCS Engineers was retained to conduct Phase I and II activities of an environmental assessment. Field activities included the installation and sampling of 26 Geoprobe borings and the collection and analysis of soil and groundwater samples.

Although the investigations in 1996 provided substantial site data, there were data gaps that needed to be addressed prior to site closure under the NH DES Risk Characterization and Management Policy (RCMP). In 2001, NH DES directed the current property owner of parcel 120-10 at that time , Syn, Inc., to conduct this investigation for the purpose of: creating a geologic and hydrologic model; defining soil and groundwater impacts from the former MGP operations; further define the extent and magnitude of UST soil and groundwater impacts; evaluate sediment and surface water quality of Sugar River; collect data for the evaluation of natural attenuation; and to evaluate any risks that the Site may pose to human health and the environment.

Based on all of these findings, NH DES requested an additional remedial investigation to further define the site characteristics for a risk based evaluation of the Site and its impacts to the surrounding areas pursuant to closure under the NH DES RCMP. After submittals of an Investigation Technical Memorandum and Work Plan in 2002 and NH DES approval in March, 2003, field work was conducted at the Site in May of 2004. The objectives of the investigation and scope of work were as follows: further delineate the horizontal and vertical extent of non-aqueous phase material by installing three direct push soil borings in the vicinity of the Sugar River; evaluate the potential for non-aqueous phase material to move into the bedrock by advancing two cores into the bedrock and evaluating the rock; further evaluate groundwater impacts by collecting a second round of groundwater samples from the existing wells; analyze the oil collected from one of the wells for specific gravity and viscosity to evaluate the potential mobility and character of the oil; and evaluate sediment quality and toxicity in the Sugar River up and downstream of the site.

2. Potential for continued State/local response

Based on the data generated during the investigations as detailed above and the inability of a potentially responsible party to fund additional work, NH DES requested US EPA assistance. In a letter dated September 23, 2010, "The NHDES requests assistance from

EPA in order to address the documented release of hazardous substances that may present an imminent and substantial danger to public health and the environment that currently exists at the former Synergy Gas Site (Site) property located on Cul-De-Sac Road in Claremont, NH." The letter goes on to say: "Based on the public health and environmental threats posed by the Site and the lack of a responsible party to stabilize the Site and develop a remedial action plan (RAP), the Department requests EPA initiate activities to stabilize the Site."

Neither the city or state appear to have sufficient resources to conduct a removal action at this site. Portions of the city are considered environmental justice areas due to low income.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants; [§300.415(b)(2)(i)];

According to data generated by US EPA and consultants under the auspices of NH DES, hazardous substances (see §II.A.4.) were detected at almost every sample location including on-shore core samples, river sediment and surface water. The oily residual from the manufactured gas process has saturated the ground from near-surface to bedrock and at times is visibly leaching into the Sugar River. Low impact disturbance of the near shore sediment, whether by human or animal, is enough to cause sheening on the water surface. A noticeable odor is prevalent at most times at various locations on the site and the property is currently accessible as evidenced by signs of trespassers such as graffiti, beer cans, an actual sighting of an individual leaving the property, and a recent fire in one of the buildings that required a response from the local fire department. The perimeter fencing was enhanced by the parcel 120-10 property owner in 2011 at EPA's request, but apparently not enough to keep people from gaining access. Surface soil sampling conducted in 2012 has indicated that state standards for PAHs were exceeded in almost every instance and therefore accessible to any trespassers and wildlife on the property.

As stated in §II.A.4, DHHS has determined that benz[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are known animal carcinogens. IARC has determined the following: benz[a]anthracene and benzo[a]pyrene are probably carcinogenic to humans; benzo[b]fluoranthene, benzo[k]fluoranthene, and indeno[1,2,3-c,d]pyrene are possibly carcinogenic to humans. EPA has determined that benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are probable human carcinogens.[1]

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[1] Toxicological Profile for Polycyclic Aromatic Hydrocarbons, U.S. Department of health and Human Services, Public Health Service, Agency for Toxic Substance and Disease Registry, August 1995

High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate [§300.415(b)(2)(iv)];

In 2012, surface soil samples (0-3") were collected in 12 locations throughout the property. State of New Hampshire soil standards for carcinogenic PAHs were exceeded in 11 of 12 locations, varying from 1 to 7 of 7 constituents. These surface soils are subject to precipitation and runoff into the adjacent Sugar River.

Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released [§300.415(b)(2)(v)];

The groundwater flow within the Site property has previously been mapped by the NH DES and generally runs in a northwest direction. The heavier portion of the coal tar may resist the groundwater flow as it is denser than water and sits upon the bedrock, but the lighter phases will move with the groundwater. During extended times of low precipitation and low river flow, there is less hydraulic head pushing against the bank, allowing the groundwater and accompanying coal tar to flow more readily into the river. Town officials have stated that at times of low flow when the river has receded from the shore line, a viscous oily product oozes up from the sediment and into the river. During normal flow conditions, it is also apparent that the product has been moving with the groundwater and saturating the shoreline and off-shore sediments. This is evidenced by a visible sheen emanating from the sediment when slightly disturbed.

In addition and as mentioned above, surface contamination is also subject to migration via precipitation, snow melt, and when dry, can be windblown into the surrounding air as well as into the river.

The availability of other appropriate Federal or State response mechanisms to respond to the release [§300.415(b)(2)(vii)];

As noted in §II.C.2. above, the NH DES has requested EPA Removal program assistance in order to address the documented release of hazardous substances. Therefore, it is unlikely that any other state or federal entity would address this situation.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from this Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.[2]

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

Specific removal activities may include the following:

- A site walk with EPA'S Superfund Technical Assistance and Response Team (START) contractor and EPA's cleanup contractor to determine the necessary resources for the impending design work and removal action;

- Additional sampling, treatability studies, and site characterization to further delineate the extent of contamination and to assist in guiding response actions;

- Installation of, or repair of existing security fencing, and provision of a security guard service during the removal action;

- Clearance of vegetation, debris, and/or existing structures as needed to provide proper clearance and space for removal activities. This may necessitate coordination with the New Hampshire Division of Historic Resources (NH DHR) and documentation of the removal by a Historic Preservationist;

- Design of a physical separation and/or collection system (via a contract mechanism separate from the cleanup contractor);

- Physical separation of the manufactured gas plant residual waste product from the Sugar River (eg. sheet piling);

---

[2] In accordance with OSWER Directive 9360.0-34, an endangerment determination is made based on "appropriate Superfund policy or guidance, or on collaboration with a trained risk assessor. Appropriate sources include, but are not limited to, relevant action levels or cleanup standards, Agency for Toxic Substances and Disease Registry documents or personnel, or staff toxicologists." EPA relied on the State of New Hampshire Administrative Rule Env-Or 600, Contaminated Site Management and State Surface Water Standards. In The NH DES request for assistance letter to US EPA dated September 23, 2010, it states that the contaminants are present in Site soil and groundwater at concentrations far exceeding the remediation standards presented in the above mentioned rule.

- Mechanical removal of some or all of the residual waste product including impacted soil and sediment as well as free product;

- Treatment of the contaminated soil (in-situ) using physical and chemical means to reduce the mobility of hazardous substances and contaminants;

- Consideration of vapor reduction which may include the installation of an air collection system;

- Installation of a collection system (eg. trench), capable of capturing the waste product to where it can be retrieved and collected;

If any of the options listed above require long term operation and maintenance (O&M), such as a collection system that must be periodically examined and cleaned, agreement to conduct the O&M would need to be reached between US EPA and a local and/or state entity. This is due to a statutory limitation that a removal action must be completed within one year of initiation.

In conjunction with the EPA off-site rule, all hazardous substances to be removed will be disposed of in appropriately licensed off-site disposal facilities; and,

Standard operating procedures during a US EPA removal action include the repair of response related damages as appropriate. As noted above, it is probable that the on-site historic, but dilapidated structures will have to be removed to facilitate cleanup options. These will not be repaired, but based on conversations with the NH DHR, these historic features may have to be documented with the placement of signs, placards, photos, etc. to inform the general population of their one-time existence and their importance to the City of Claremont and its history.

2. Community relations

US EPA has been discussing potential removal actions with state and local officials. In conjunction with local officials, neighboring businesses that may potentially be impacted will be informed when site operations are taking place. The EPA OSC will make himself available, either during working hours or extended hours on-site, to address the questions and/or concerns of the local population. The EPA OSC will also work with its Community Involvement Coordinator to disseminate information to the local community which may take place at a public meeting.

3. Contribution to remedial performance

The cleanup proposed in this Action Memorandum is designed to mitigate the threats to human health and the environment posed by the Site. The actions taken at the Site would be consistent with and will not impede any future responses.

4. Description of alternative technologies

Although no alternative technologies have been identified for this removal action, they will continue to be investigated, discussed and considered as the removal action progresses.

5. Applicable or relevant and appropriate requirements (ARARs)

Federal ARARs will be met to the extent practicable considering the exigencies of the situation. The following Federal ARARs will apply if hazardous waste is transported off-site for disposal:

40 CFR Part 262 Standards Applicable to Generators of Hazardous Waste:

Subpart B - The Manifest
262.20 : General requirements for manifesting
262.21 : Acquisition of manifests
262.22 : Number of copies of manifests
262.23 : Use of the manifest

Subpart C - Pre-Transport Requirements
262.30 : Packaging
262.31 : Labeling
262.32 : Marking

Subpart D - Recordkeeping and Reporting
262.40 : Recordkeeping

40 CFR Part 264 Standards for Owners and Operators of Hazardous waste Treatment, Storage, and Disposal Facilities:

Subpart I - Use and Management of Containers
264.171 : Condition of containers
264.172 : Compatibility of waste with containers
264.173 : Management of containers
264.174 : Inspections
264.175 : Containment
264.176 : Special requirements for ignitable or reactive waste
264.177 : Special requirements for incompatible wastes

40 CFR Part 264 Hazardous Waste Regulations - RCRA Subtitle C:
268-270 : Hazardous and Solid Waste Amendments Land Disposal Restrictions Rule

40 CFR Part 300.440 Procedures for Planning and Implementing Off-Site Response Actions (Off-Site Rule)

State ARARs:

The OSC will coordinate with state officials to identify state ARARs, if any. In accordance with the National Contingency Plan and EPA Guidance Documents, the OSC will determine the applicability and practicability of complying with each ARAR, which is identified in a timely manner.

6. Project schedule

This removal action is expected to last up to one year from the time of initial mobilization. It is anticipated that the initial site visit with EPA's contractors will begin in the fall, 2013.

B. Estimated Costs

COST CATEGORY		CEILING
REGIONAL REMOVAL ALLOWANCE COSTS:		
ERRS Contractor		$1,500,000.00
Interagency Agreement		$0,000.00
OTHER EXTRAMURAL COSTS NOT FUNDED FROM THE REGIONAL ALLOWANCE:		
START Contractor		$400,000.00
Extramural Subtotal		$1,900,000.00
Extramural Contingency	20%	$380,000.00
TOTAL, REMOVAL ACTION CEILING		**$2,280,000.00**

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Delayed action will increase public health and environmental risks posed by the presence of PAHs as the coal tar waste is not only present at the surface but continues to slowly leach into the adjacent Sugar River.

VII. OUTSTANDING POLICY ISSUES

There are no precedent-setting policy issues associated with this site.

VIII. ENFORCEMENT ... For Internal Distribution Only

See attached Enforcement Strategy.

The total EPA costs for this removal action based on full-time accounting practices that will be eligible for cost recovery are estimated to be $2,280,000 (extramural costs) + $250,000 (EPA intramural costs) = $2,530,000 X 1.4485 (regional indirect rate) = **$3,664,705** [3].

IX. RECOMMENDATION

This decision document represents the selected removal action for the Former Synergy Site in Claremont, New Hampshire, developed in accordance with CERCLA, as amended, and is not inconsistent with the National Contingency Plan. The basis for this decision will be documented in the administrative record to be established for the Site.

Conditions at the Site meet the NCP Section 300.415 (b) (2) criteria for a removal action due to the following:

Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants [§300.415(b)(2)(i)];

High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate [§300.415(b)(2)(iv)];

Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released [§300.415(b)(2)(v)];

The availability of other appropriate Federal or State response mechanisms to respond to the release [§300.415(b)(2)(vii)];

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[3]Direct Costs include direct extramural costs $2,280,000 and direct intramural costs $250,000. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site specific costs 44.85% x $2,530,000, consistent with the full accounting methodology effective October 2, 2000. These estimates do not include pre-judgement interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor deviation of actual total costs from this estimate will affect the United States' right to cost recovery.

I recommend that you approve the proposed removal action. The total extramural removal action project ceiling if approved will be $2,280,000.

APPROVAL: _____ DATE: 8/8/13

DISAPPROVAL: _____ DATE: _____

SYNERGY SITE: WORK PLAN EXPECTATIONS

EPA's policy with regard to a Potentially Responsible Party-lead Removal Action has been to not dictate the work plan, but to require submittal of a plan to EPA and the state for review and approval. Since it is expected that the work will be conducted under an EPA issued Order, there are a number of items, at a minimum, that EPA expects to be addressed in the plan:

Scope of Work
A general bulleted list that describes the various components/tasks of the removal action including but not limited to: removal and disposal of buildings; removal and disposal of the former gas holder near the river including coal tar NAPL, water, and equipment; removal of coal tar saturated soil;

Project Organization
A list of key project personnel, their major responsibilities and their contact information;

Project Schedule
An estimated time line for site activities;

Project Reporting
The Plan shall include a section that describes what will be included in a weekly work and cost report to be submitted to the EPA, NHDES and the City of Claremont;

Premobilization Activities
A general bulleted list that briefly describes the tasks to be undertaken prior to site mobilization. This shall include the preparation and approval of the Health and Safety Plan, 'dig safe' coordination, etc;

Site Preparation
Delineation of site zones, location and contents of site support area, clearing and grubbing as necessary, etc;

Erosion and Sedimentation Control
As the removal activities are adjacent to the Sugar River, erosion control must be clearly described and shall include, if applicable, the contaminated soil stockpile area(s) prior to load out. Although NH DES typically provides a wetlands permit for this type of work along a shoreland, a permit will not necessarily be required if this work is being conducted an EPA issued Order. The work will still require coordination with the DES to ensure that shoreland is properly protected during construction and stabilized after completion of the work;

Fencing/ Security
A description of the security measures to be taken as there will be heavy equipment and potentially open excavations left on-site after normal working hours (this property experiences a lot of unauthorized access and has served as a shelter and party spot);

Disposal of Building Debris and Management of On-Site Water
A description of how potentially contaminated water (e.g. dewatering, equipment decontamination) and building debris following demolition will be handled and disposed of;

Soil Removal
This section shall describe the general methodology to be taken including expected equipment, personnel, and tasking. As this is a key component of the Removal Action, it is important to include a description of the decision making process with regard to the extent of excavation in order to meet the state standard of S-3 or better. Knowing that there will be contaminated soil left behind, it shall be stated how that extent is defined: e.g., visual observance, soil sampling and analysis to determine compliance with NH DES criteria of S-3 or better, etc. This section should also state how the analytical is to be accomplished: field instruments, mobile lab, fixed lab, additional pre-removal sampling, etc;

Disposal
This section shall list the potential locations for all materials being sent for off-site disposal including building debris, soil, water, etc;

Air Monitoring/Dust Control/Odor Control
A description of the steps that will be taken to ensure that fugitive emissions are not leaving the site boundary and what measures are to be taken if elevated levels are detected. Given the fact that the contaminants of concern are quite pungent, describe the measures that will be taken, if necessary, to keep the odors from affecting the nearby population;

Sewer Line
It is known that an active sewer line for portions of Claremont bisect the site and some portion of the line is within contaminated soil. The plan shall address how this will be resolved;

Groundwater Monitoring
Submit an application of a Groundwater Management Permit from NH DES. Installation of six to ten wells to support twice yearly sampling of free product and groundwater sampling for duration as required by NH DES;

Activity and Use Restriction
As contamination will remain on-site, AURs will be required by NH DES to ensure ongoing prevention of exposure pathways. Since an AUR must be established and recorded by the owner of the property, this task must be established prior to beginning any site work. Options include AmeriGas preparing and establishing the AUR and it will follow site ownership, or the City could assume this task following the removal action;

Site Restoration

When the Removal Action has been completed, it is important to leave the City of Claremont with a viable and useable property. This section shall describe what steps will be taken to ensure that the property has been brought back to or close to the original grade. Consideration shall be given to runoff and precipitation events and protection of the site from future erosion. This is especially important given the fact that residual contamination will remain under a protective cap. The design of the cap consisting of a marker barrier and a two-foot clean fill with vegetation and stabilization (or reference to a separate design) shall be incorporated and shall be subject to additional approval by the NH DES. Communication will be necessary with the City of Claremont to identify any particular desires the City may have with regard to future site use; Site restoration should completed in a manner compatible with the AUR;

Community Relations/Public Information.

Since this project is in the center of the City, media and public attention is expected. The workplan must include a provision for a public information meeting prior to any site work to explain what work is planned and the environmental controls they will use, along with a provision for updates as necessary. Separate meetings with nearby property owners such as the horse tackle shop at the top of the Cul De Sac and the Common Man Hotel/Restaurant across the river shall also be held;

Applicable, or Relevant and Appropriate Requirements

The workplan shall list the ARARs that would apply to the site (soil remediation standards, wetlands permit, disposal of water generated by any dewatering required to complete the work, disposal of contaminated soil, etc). Keep in mind that as this work is being conducted as a time critical removal action under an EPA issued Order, ARARS apply only to the extent practicable considering the exigencies of the situation (NCP, section 300.415(i)).

MEMORANDUM OF AGREEMENT

BETWEEN THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 1

AND THE

NEW HAMPSHIRE STATE HISTORIC PRESERVATION OFFICER

REGARDING THE PROPOSED REMOVAL ACTION AT THE SYNERGY SITE, LOWER CUL-DE-SAC PLACE, CLAREMONT, NEW HAMPSHIRE

WHEREAS, the U.S. Environmental Protection Agency, Region 1 (EPA) is proposing to demolish two existing structures at the Synergy Site in Claremont, New Hampshire to facilitate the cleanup of contaminated soil, a byproduct of the historic manufactured gas process that took place at this location; and

WHEREAS, the Site is identified as being located on the City of Claremont's tax maps as parcel 120-10 and portions of parcels 108-1 and 107-31 and specifically, the two structures in question are located on parcel 120-10; and

WHEREAS, it has been determined that due to its location and historic nature, the Synergy Site is contributing to the Historic Resources of Downtown Claremont and Lower Village, located in the Central Business District, a portion of downtown Claremont previously listed on the National Register of Historic Places; and

WHEREAS, EPA has consulted with the NHSHPO, pursuant to applicable regulations found in 36 CFR Part 800, and 33 CFR Part 325, Appendix C, implementing Section 106 of the National Historic Preservation Act (16 U.S.C. § 470f); and

WHEREAS, EPA has determined that the undertaking will have an adverse effect on the Historic Resources of Downtown Claremont and Lower Village and has consulted with the New Hampshire State Historic Officer (SHPO) pursuant to 36 C.F.R. part 800, the regulations implementing Section 106 of the National Historic Preservation Act 916 U.S.C. § 470f) (the section 106 Process); and

WHEREAS, in accordance with 36 C.F.R. § 800.6(a)(1), EPA has notified the Advisory Council on Historic Preservation (ACHP) of its adverse effect determination with specified documentation and the ACHP has chosen not to participate in the consultation pursuant to 36 CFR § 800.6(a)(1)(iii) as there is no disagreement between EPA and the NHSHPO on the adverse effects finding; and

WHEREAS, EPA and the NHSHPO have conducted outreach to the City, including the Claremont Historic District Commission (CHDC), that may have interests in the historic resources, to participate in the Section 106 consultation process, to include review and comment on the MOA; and

NOW, THEREFORE, EPA, and NHSHPO agree that if the undertaking is implemented in accordance with the following stipulations, EPA and the NHSHPO agree that the undertaking will properly account for the effects on historic properties. The signatories agree that if the undertaking is implemented, all of the following stipulations shall be met:

STIPULATIONS

EPA shall ensure that the following measures are carried out:

I. Documentation

Prior to any demolition at the site, EPA shall hire an architectural historian qualified under 36 CFR 61 to document the Synergy Site buildings and their setting. A New Hampshire Historic Property Documentation will be prepared to include a narrative report that will discuss the property and its contributing elements. Said report is to include a discussion of the physical context of the site, the historical context of the site, the specific history of the site and a physical description of the site according to the original plan, noting how it has changed technologically over time and its present appearance. Comparative information regarding other similar gas facilities and their character defining features will be included in the historic context discussion.

Accompanying the narrative report, the New Hampshire Historic Property Documentation packet will include large format black-and-white photos (not to exceed twelve, 4" x 5" contact prints), a photograph location map and site plan, as well as historic maps and images if available.

Measured drawings will be required and may utilize digital technologies as a cost-saving technique.

EPA shall ensure that all large-format photography is completed prior to any disturbance of the property. EPA shall submit original large-format photographs for NHSHPO comment. NHSHPO will have ten working days to comment on the quality of the photographs. If the photographs are accepted, EPA may begin demolition from a historic resource perspective. Within four months following the completion of demolition activities, EPA will submit the written and photographic documentation unbound and in an archival folder to the NHSHPO (draft review copy followed by one archival copy of the original report, with original contact prints and negatives). The NHSHPO will have 45 days to review and comment. EPA will also provide final copies of documentation to the CHDC.

II. Salvage

In consultation with the CHDC and the NHSHPO, EPA shall identify any historical architectural features to be salvaged during demolition (and subsequent removal actions) and proceed to transfer them to the CHDC or City of Claremont for curation. If applicable and prior to removal from the historic property and donation to the CHDC or the City, all items selected for salvage

shall be documented in place by EPA.

III. Education and Interpretation

In consultation with the CHDC and the NHSHPO, EPA shall develop one or more exhibits that portray the history of the Synergy Site, its role as a manufactured gas plant, and its relationship to the Monadnock Mill complex and to the development of Claremont and potentially the region and state. The exhibit(s) may use the materials salvaged from the Synergy Site as well as photographs, measured drawings and other materials included in the documentation completed pursuant to Stipulation I, Documentation.

EPA shall request recommendation on the form, content and organization of the exhibit(s) from the NHSHPO, the CHDC, and the City of Claremont. EPA shall take into account any recommendations provided in completing the exhibit(s). EPA shall deliver the completed exhibit(s) to the CHDC and the City of Claremont within 6 months of the completion of the removal action.

ADMINISTRATIVE CONDITIONS

I. Dispute Resolution

Should any signatory (or consulting party) to this Agreement object within thirty (30) days to any actions proposed or carried out pursuant to this Agreement, the objecting party shall make those objections known to the remaining signatories and consulting parties and EPA shall consult with NHSHPO to resolve the objection. If EPA determines that the objection cannot be resolved, EPA shall forward all documentation relevant to the dispute the ACHP. Within thirty (30) days after receipt of all pertinent documentation, the ACHP will either:

Provide EPA with recommendations which it will take into account in reaching a final decision regarding the dispute; or,

Notify EPA that it will comment pursuant to 36 CFR 800.6(b), and proceed to comment. Any recommendations or comment provided by the ACHP will be understood to pertain only to the subject of the dispute; EPA will carry out all actions under the MOA that are not subjects of the dispute.

If at any time during the implementation of the measures stipulated in this MOA, an objection should be raised by an interested member of the public, EPA will consult with the other parties to this MOA to determine the appropriate response.

II. Monitoring and Reporting

Within six months of the completion of Stipulation III, Education and Interpretation or prior to the expiration or termination of this MOA, EPA shall provide all parties to this MOA a summary report detailing work undertaken pursuant to its terms. Such report shall include any scheduling

changes proposed, any problems encountered, and any disputes and objections received in EPA's efforts to carry out the terms of this MOA.

III. Amendments

This MOA may be amended when such an amendment is agreed to in writing by all signatories. The amendment will be effective on the date a copy signed by all of the signatories is filed with the ACHP.

IV. Termination

If any signatory to this MOA determines that its terms will not or cannot be carried out, that party shall immediately consult with the other parties to attempt to develop an amendment per Administrative Condition III, Amendments, above. If within thirty (30) days (or another time period agreed to by all signatories) an amendment cannot be reached, any signatory may terminate the MOA upon written notification to the other signatories.

Once the MOA is terminated, and prior to work continuing on the undertaking, EPA must either (a) execute an MOA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the ACHP under 36 CFR § 800.7. EPA shall notify the signatories as to the course of action it will pursue.

V. Duration

This MOA will expire if its terms are not carried out within three (3) years from the date of its execution. Prior to such time, EPA may consult with the other signatories to reconsider the terms of the MOA and amend it in accordance with Administrative Condition III, Amendments, above.

Execution of this MOA by EPA and the NHSHPO and implementation of its terms evidence that EPA has taken into account the effects of this undertaking on historic properties and afforded the ACHP an opportunity to comment.

SIGNATORIES:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 1

By:_____ Date: 5/30/14
H. Curtis Spalding, Regional Administrator

NEW HAMPSHIRE STATE HISTORIC PRESERVATION OFFICER

By: Elizabeth H. Muzzey Date: 5/1/14
Elizabeth H. Muzzey, NH State Historic Preservation Officer

CONCURRING PARTIES:

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES

By:_____ Date:_____
Thomas S. Burack, Commissioner

CITY OF CLAREMONT, NEW HAMPSHIRE

By:_____ Date:_____
Guy A. Santagate, City Manager

CLAREMONT HISTORIC DISTRICT COMMISSION

By:_____ Date:_____
David Messier, Chair

SIGNATORIES:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 1

By:_____ Date:_____
H. Curtis Spalding, Regional Administrator

NEW HAMPSHIRE STATE HISTORIC PRESERVATION OFFICER

By:_____ Date:_____
Elizabeth H. Muzzey, NH State Historic Preservation Officer

CONCURRING PARTIES:

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES

By: Thomas S Burack Date: 5/11/2014
Thomas S. Burack, Commissioner

CITY OF CLAREMONT, NEW HAMPSHIRE

By:_____ Date:_____
Guy A. Santagate, City Manager

CLAREMONT HISTORIC DISTRICT COMMISSION

By:_____ Date:_____
David Messier, Chair

SIGNATORIES:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 1

By:_____ Date:_____
H. Curtis Spalding, Regional Administrator

NEW HAMPSHIRE STATE HISTORIC PRESERVATION OFFICER

By:_____ Date:_____
Elizabeth H. Muzzey, NH State Historic Preservation Officer

CONCURRING PARTIES:

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES

By:_____ Date:_____
Thomas S. Burack, Commissioner

CITY OF CLAREMONT, NEW HAMPSHIRE

By: Guy A. Santagate Date: 6/19/14
Guy A. Santagate, City Manager

CLAREMONT HISTORIC DISTRICT COMMISSION

By: David Messier Date: 6-18-2014
David Messier, Chair

Appendix B

Previous Investigation Figures

ERD ENVIRONMENTAL, INC.
1-800-359-3677

205 Main Street
Brattleboro, VT 05301

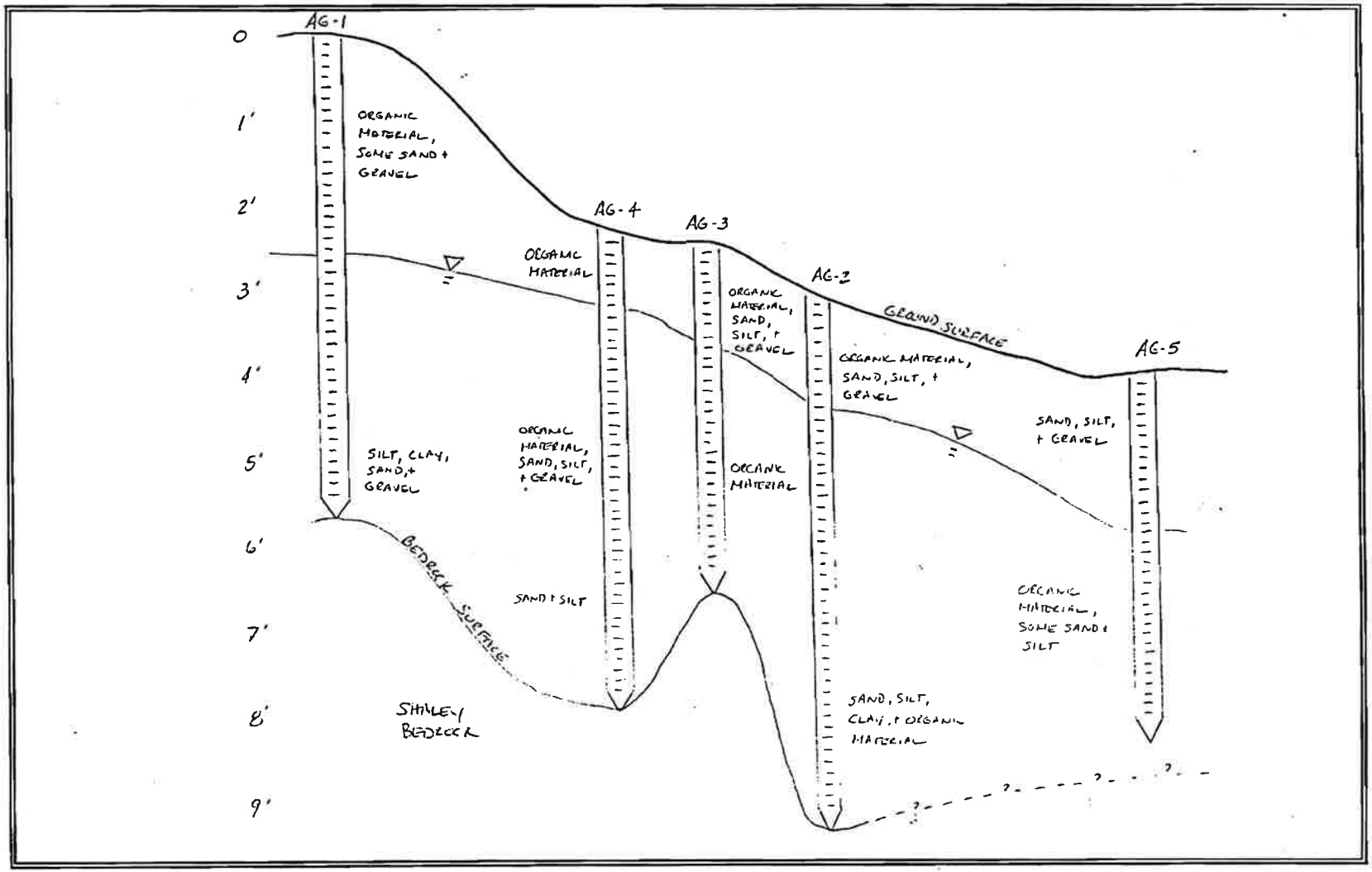
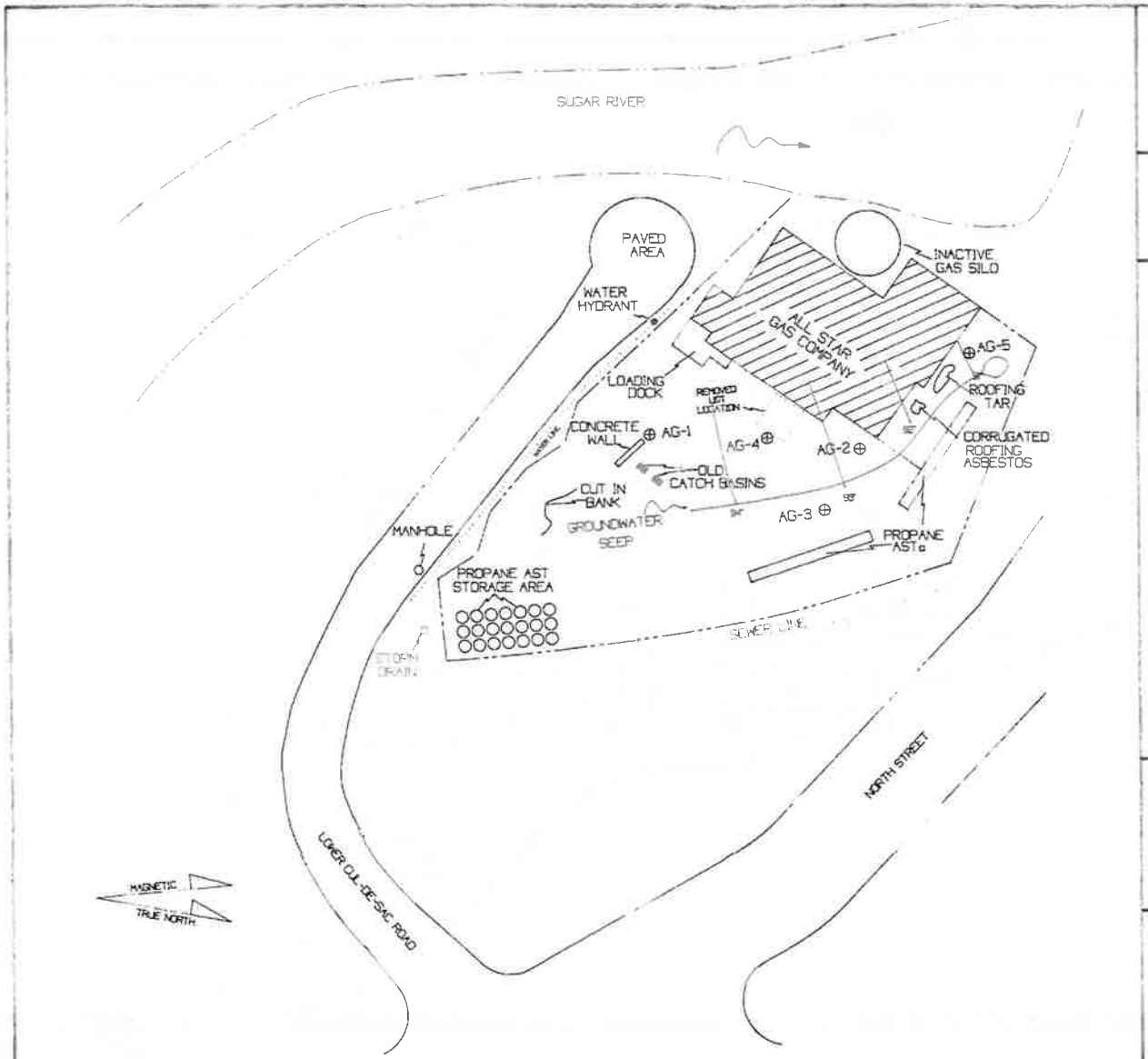


Figure 3. Generalized Geologic Cross-Section AG-1 to AG-5 (SSE to NNW)	Horizontal Scale: 1inch = 28.5 +/- Feet Vertical scale as marked.	Allstar Gas Company North Street Claremont, N.H.

FIGURE 4



GROUNDWATER POTENTIOMETRIC MAP
FOR 6/17/96

ALL STAR GAS CO.
NORTH STREET
CLAREMONT, NEW HAMPSHIRE

LEGEND

AG-5 ⊕ MONITORING WELL

91 GROUNDWATER CONTOUR LINE
(CONTOUR INTERVAL = 1 FOOT)

FENCE

MONITORING WELL GROUNDWATER ELEVATION (IN FEET)	
AG-1	94.38
AG-2	92.49
AG-3	93.48
AG-4	93.75
AG-5	91.03

SCALE 1 : 720

0 60 120 FEET

Drawn By: S. Gaffney 6/21/96
Revised By: N. Juarez 9/25/96

\0204G696

PREPARED BY:
ERD ENVIRONMENTAL, INC.
P.O. BOX 1760, 205 MAIN STREET
BRATTLEBORO, VERMONT

LOG OF GEOPROBE GP-9

SHEET 1 OF 1

Client Syn, Inc.
Project Name Claremont MGP
Number 29/10-001
Location Claremont, NH

Drill Contractor ESN - North Atlantic
Drill Method Push Probe
Drilling Started 5/4/04 Ended 5/4/04
Logged By Karma Geiger

Elevation 408.0
Total Depth 8.0

DEPTH FEET	SAMPLE RECOVERY NUMBER	Headspace ppm	Disc-Odor-Sheen	MOISTURE	USCS	LITHOLOGY	DESCRIPTION	ELEV. FEET
		2.9	None-None-None	Moist	ML MH		Organic Topsoil/River deposits - Brown organic sandy silt with gravel. Roots and other organics throughout.	
		42.9	None-Slight-Slight	Dry	SP		Bedrock derived alluvium - Mica rich greenish schist. Bedrock derived clay with green schist gravel. Gravel is fine to coarse (30%), sand fine to coarse (20%), silt and clay.	
2			--				Alluvium - Black, impacted sandy silt - silty sand. Sand is bedrock derived, rounded.	406
		121	Black-Slight-Rainbow	Moist	ML SM			
4							Alluvium - Black, impacted silty sand and gravel. Sand and gravel are fine to coarse, subangular. Unit includes orange-brown free product in soil matrix.	404
		130	Black-Slight-Rainbow	Wet	SM GM			
6			--					402
			Moderate-Slight-Rainbow	Sat.	PT		River Deposit/Peat - Brown with some balck staining. Matted organic wood and roots.	
		11.8	Black-Slight-Rainbow	Sat.			Bedrock Residum - Weathered green schist.	
8			--				End of Boring at geoprobe refusal (assumed bedrock depth) - depth at 8 feet below ground surface.	400
10								398
12								396
14								394

Barr Engineering
4700 W 77th Street
Minneapolis, MN 55435
Telephone: 952-832-2600
Fax: 952-832-2601

Remarks Elevation is estimated. Driller Name: Bob Berger

See key sheet for symbols and abbreviations used above.
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG 4 CURRENT JKP_CLAREMONTMGP_051104.GPJ BARRLOG.GDT 6/10/04

LOG OF GEOPROBE GP-11

SHEET 1 OF 1

Client Syn, Inc.
Project Name Claremont MGP
Number 29/10-001
Location Claremont, NH

Drill Contractor ESN - North Atlantic
Drill Method Push Probe
Drilling Started 5/4/04 Ended 5/4/04
Logged By Karma Geiger

Elevation 407.0
Total Depth 9.3

DEPTH FEET	SAMPLE RECOVERY NUMBER	Headspace ppm	Disc-Odor-Sheen	MOISTURE	USCS	LITHOLOGY	DESCRIPTION	ELEV. FEET
		0.7	None-None-None	Moist	CL CH		Organic Topsoil/River deposits - Brown silty clay with roots and other organics. No sand or gravel.	
		1.3	None-None-None	Dry	SM		Weathered bedrock - Greenish gray muscovite schist - derived silty sand and gravel.	406
2			–				Alluvium - Black, impacted silty clay with roots/organic. No sand/gravel.	
		48.1	Black-Slight-Rainbow	Moist	CL CH			404
4							Matted Organics - Light brown matted wood and other organic debris.	
								402
6		3.0	– None-Slight-None	Moist	OL OH			
			–					400
8								
		1.9	None-None-None –	Moist	OL OH		Matted Organics - Light brown matted wood and other organic debris.	
		1.6	None-None-None –	Dry			Weathered bedrock - Greenish gray schist lightly laminated sand grades to clay with trace gravel. No discoloration.	398
10							End of Boring at geoprobe refusal (assumed bedrock depth) - depth at 9.3 feet below ground surface.	
								396
12								
								394
14								

Barr Engineering
4700 W 77th Street
Minneapolis, MN 55435
Telephone: 952-832-2600
Fax: 952-832-2601

Remarks Elevation is estimated. Driller Name: Bob Berger

See key sheet for symbols and abbreviations used above.
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG 4 CURRENT JKP CLAREMONTMGP 051104.GPJ BARRLOG.GDT 6/10/04

LOG OF GEOPROBE GP-10

SHEET 1 OF 1

Client Syn, Inc.
Project Name Claremont MGP
Number 29/10-001
Location Claremont, NH

Drill Contractor ESN - North Atlantic
Drill Method Push Probe
Drilling Started 5/4/04 Ended 5/4/04
Logged By Karma Geiger

Elevation 408.0
Total Depth 9.9

DEPTH FEET	SAMPLE RECOVERY NUMBER	Headspace ppm	Disc-Odor-Sheen	MOISTURE	USCS	LITHOLOGY	DESCRIPTION	ELEV. FEET
		1.3	None-None-None	Moist	ML MH		Organic Topsoil/River deposits - Laminated brown silt with roots and other organics.	
2		47.5	Black-Slight-Rainbow	Moist	ML MH		Organic Topsoil/River deposits - Discolored black silt with roots and other organics.	406
4		37.9	Black-Slight-Rainbow	Wet	ML MH		Organic Topsoil/River deposits - Discolored black silt with roots and other organics.	404
6		141	None-Slight-Rainbow	Dry	GC		Weathered bedrock - Muscovite schist - derived clayey gravel with sand.	402
8		69.1	Black-Slight-Rainbow	Sat.	SM GM		Weathered bedrock - Muscovite schist - derived silty gravel and sand (fine to coarse, angular). Discolored black with orange-brown free product in soil matrix.	400
10							End of Boring at geoprobe refusal (assumed bedrock depth) - depth at 9.9 feet below ground surface.	398
12								396
14								394

BARR
Barr Engineering
4700 W 77th Street
Minneapolis, MN 55435
Telephone: 952-832-2600
Fax: 952-832-2601

Remarks Elevation is estimated. Driller Name: Bob Berger

See key sheet for symbols and abbreviations used above.
Additional data may have been collected in the field which is not included on this log.

ENVIRO LOG 4 CURRENT JKP CLAREMONTMGP 051104.GPJ BARRLOG.GDT 6/10/04

Barr Engineering Company
4700 W 77th Street
Minneapolis, MN 55435

LOG OF BORING RC-1

Sheet 1 of 1

Project: Claremont MGP | Location: Claremont, NH | Client: Syn, Inc.

Barr Project Number: 29/10-001

Surface Elev.: 416.0

Elevation, feet	Depth, feet	MATERIAL DESCRIPTION (ASTM D2488)	Graphic Log	Sample Type & Rec.	SPT, N value or RQD %
415	0	OVERBURDEN, modified apparent impacts.			
		412.0			
	4.0	Bedrock Residuum.			
	5				
		410.5			
410	5.5	Metasedimentary rock: Lower Silurian, orthoquartzite, muscovite schist (from bedrock geology map of NH, Lyons, 1997). Crystalline white quartz banded with gray, black and clear (muscovite) mica. Banding is at approximately 55°, spacing of bands is 1/8" - 1/16". Field hardness: <7 mohs (can be scratched with knife) Color: greenish gray (Gley 2 5/1-6/1) Fabric: bedding approximately 55°. Weathering on fractures: discoloration: faint red oxidation intermittent across surface decomposition: none apparent, no infilling disintegration: none apparent surface is uneven (undulating) Discontinuities: Fracture 1 (6.6' below ground surface) dip approximately even with bedding plane (angle 55°). aperture appears to be 0. Fracture 2 (9.6' below ground surface) dip angle 230°. aperture appears to be 0.			100%
	10				
		405.5			
	10.5				
	15				

STANDARD PENETRATION TEST DATA
N in blows/ft ◎
10 20 30 40

SHEAR STRENGTH, ksf
Q_p × UC △ TV ✳
VS △ VSR ○
1 2 3 4

NATURAL DRY DENSITY (pcf) ★
105 115 125

Water Content, %
W_P W_N W_L
10 20 30

Completion Depth:	10.5
Date Boring Started:	5/4/04
Date Boring Completed:	5/4/04
Logged By:	Karma Geiger
Drilling Contractor:	Great Works, Inc.
Drilling Method:	Rock core

Remarks: West side of Gas holder. Elevation is estimated. Driller Name: Peter Michaud

SAMPLE TYPES

Auger Cutting | Shelby Tube
Split Spoon | Rock Core

WATER LEVELS

While Drilling:
End of Drilling:
hrs After Drilling:

The stratification lines represent approximate boundaries. The transition may be gradual.

LOG OF BORING JKP CLAREMONTMGP 051104.GPJ BARRLOG.GDT 6/10/04

Barr Engineering Company
4700 W 77th Street
Minneapolis, MN 55435

LOG OF BORING RC-2

Project: Claremont MGP | Location: Claremont, NH | Client: Syn, Inc.

Barr Project Number: 29/10-001

Surface Elev.: 416.0

Elevation, feet	Depth, feet	MATERIAL DESCRIPTION (ASTM D2488)	Graphic Log	Sample Type & Rec.	SPT, N value or RQD %
	0	Overburden - no impacts.			
415		415.0			
		Concrete Slab (gasholder foundation). 1.0			
		413.5			
		Unconsolidated. 2.5			
		411.5			
	5	Bedrock Residuum. 4.5			
		410.5			
410		Metasedimentary rock: 5.5 Lower Silurian, orthoquartzite, muscovite schist (from bedrock geology map of NH, Lyons, 1997). Crystalline white quartz banded with gray, black and clear (muscovite) mica. Banding is at approximately 55°, spacing of bands is 1/8" - 1/16". Field Hardness: <7 mohs (can be scratched with knife). Color: greenish gray (Gley 2 5/1-6/1). Fabric: bedding approximately 55°. Weathering on fracture: discoloration: faint red oxidation intermittent across surface decomposition: none apparent, no infilling disintegration: none apparent surface is uneven (undulating)			100%
	10	405.5 10.5 Discontinuity: Fracture 1 (9.8' below ground surface). dip approximately even with bedding plane (angle 55°). apperture appears to be 0.			
	15				

STANDARD PENETRATION TEST DATA
N in blows/ft ⊙
10 20 30 40

SHEAR STRENGTH, ksf
Q_p × UC Δ TV ✳
VS Δ VSR ○
1 2 3 4

NATURAL DRY DENSITY
(pcf) ★
105 115 125

Water Content, %
W_P W_N W_L
10 20 30

Completion Depth:	10.5
Date Boring Started:	5/4/04
Date Boring Completed:	5/4/04
Logged By:	Karma Geiger
Drilling Contractor:	Great Works, Inc.
Drilling Method:	Rock core

Remarks: West side of Gas holder. Elevation is estimated. Driller Name: Peter Michaud

SAMPLE TYPES

Auger Cutting | Shelby Tube
Split Spoon | Rock Core

WATER LEVELS

While Drilling:
End of Drilling:
hrs After Drilling:

The stratification lines represent approximate boundaries. The transition may be gradual.

LOG_OF_BORING_JKP_CLAREMONTMGP_051104.GPJ BARRLOG.GDT 6/10/04

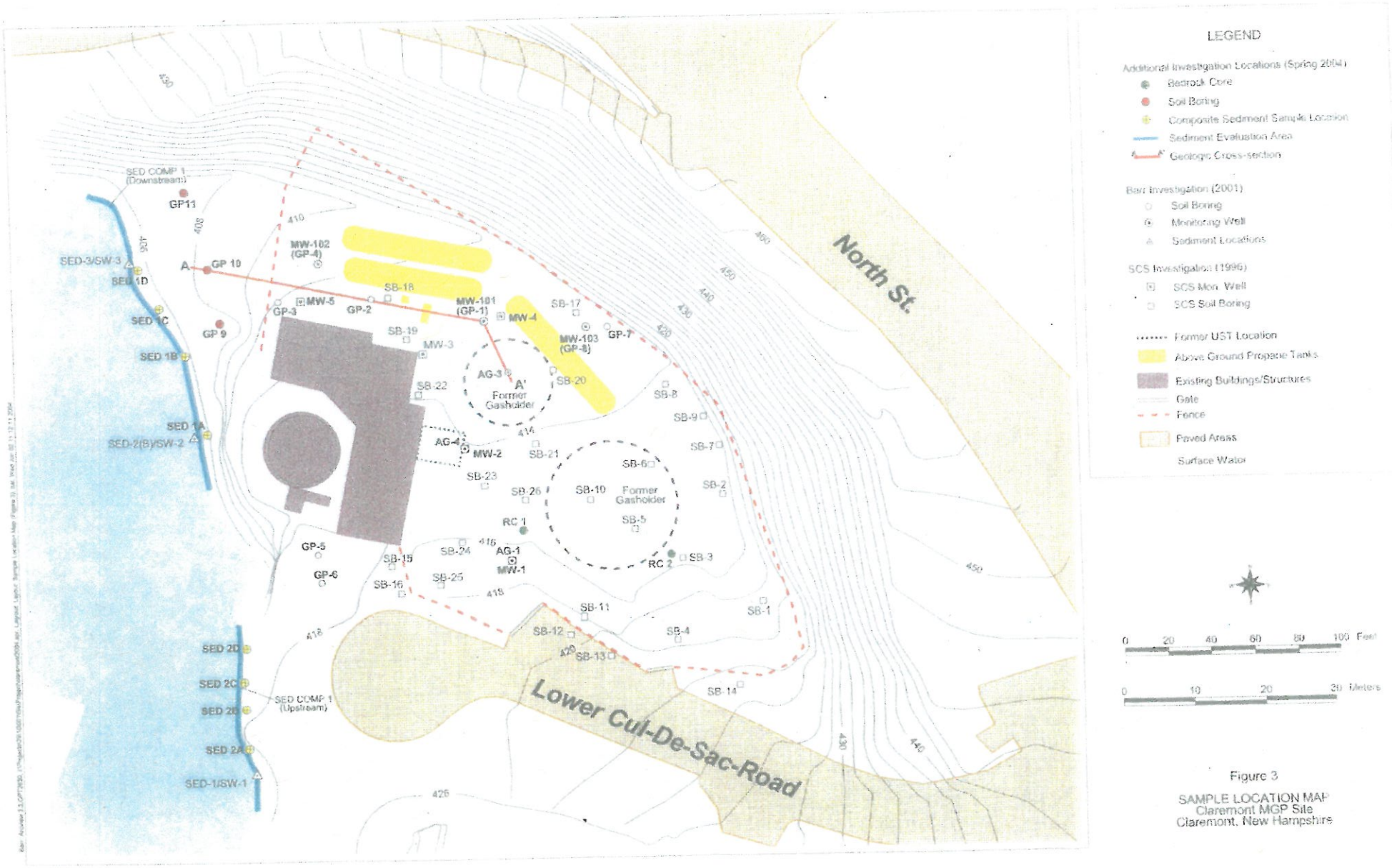
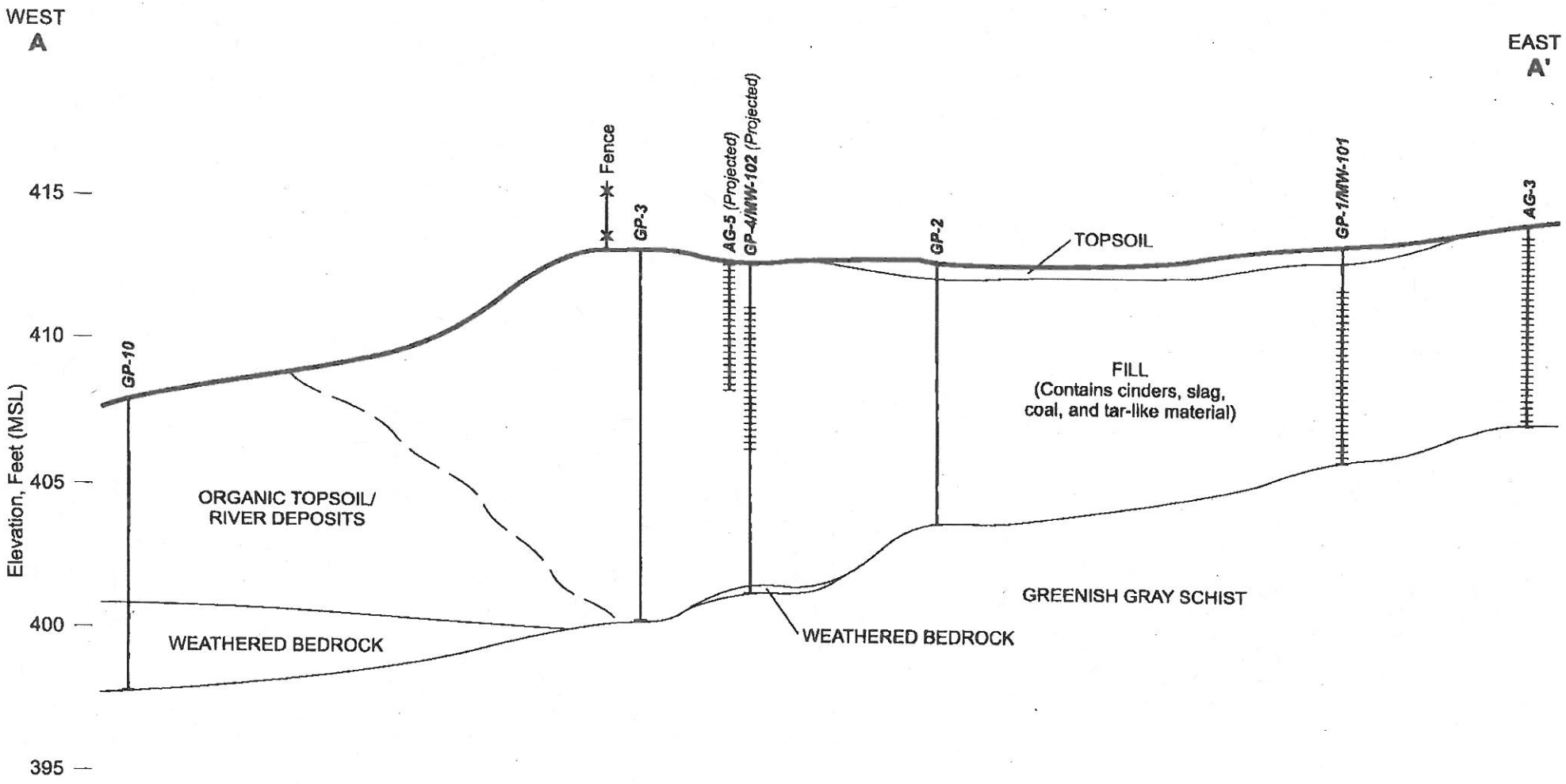


Figure 3

SAMPLE LOCATION MAP
Claremont MGP Site
Claremont, New Hampshire

P:29\10\001\XSECTIONAAREVISED.CDR RLG 06-01-04

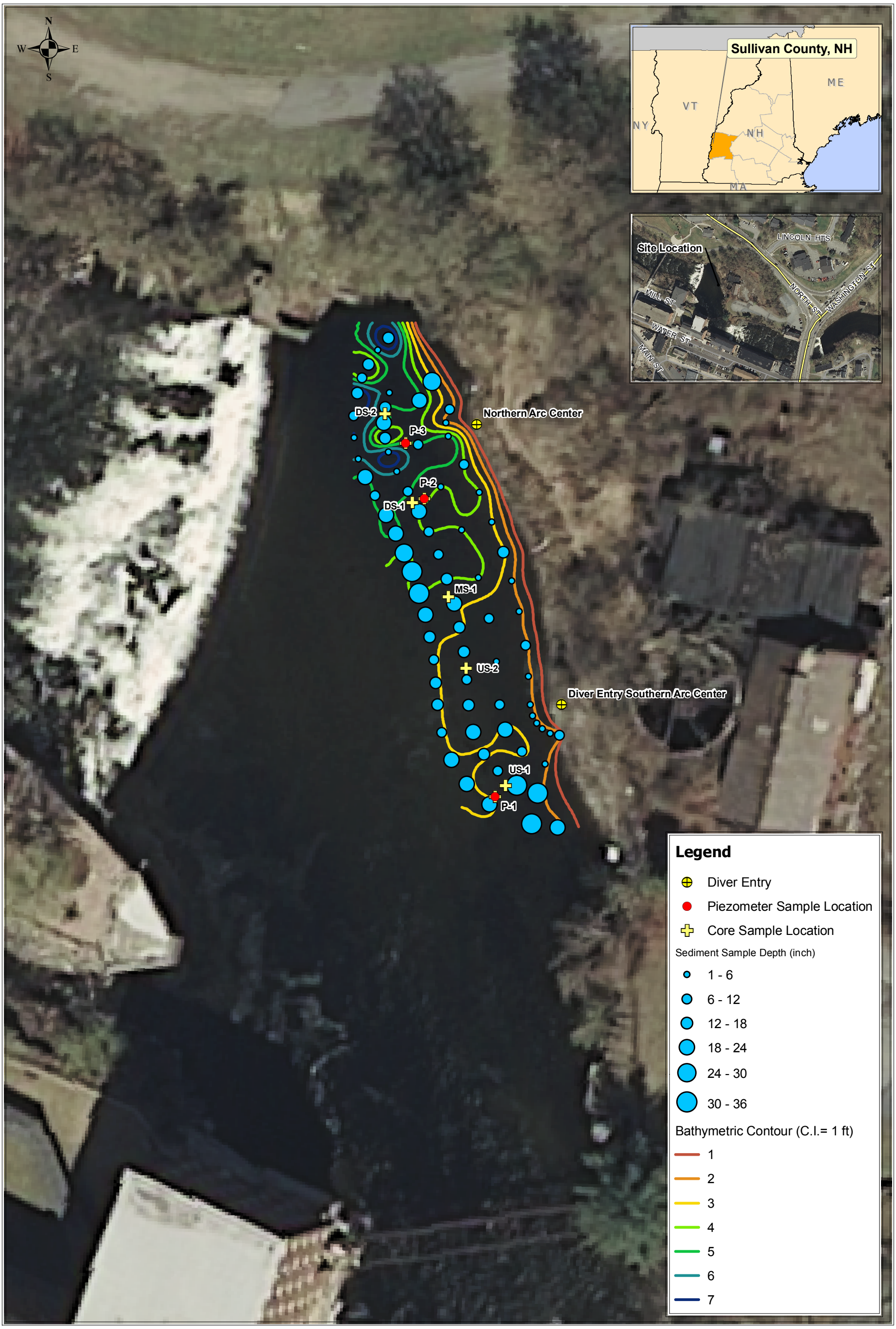


0 20

Horizontal Scale in Feet
4X Vertical Exaggeration

Figure 4

CROSS SECTION A-A'
Claremont MGP Site
Claremont, New Hampshire



Map created using 2012 orthoimagery data from USGS, site GPS survey data.

Map Creation Date: 10 May 2012

Coordinate system: New Hampshire State Plane
FIPS: 2800
Datum: NAD83
Units: Feet

30 0 30
Feet

Data: g:\arcviewprojects\SERAS01\00-178
MXD file: g:\arcinfoprojects\SERAS01\SER00178_Synergy_Site\178_temp_Sample_Location_F1

U.S. EPA Environmental Response Team
Scientific Engineering Response and Analytical Services
EP-W-09-031
W.A.# 0-178

Figure 1
Sample Location
Synergy Site
Claremont, New Hampshire

Appendix C

Soil Boring Logs – PDI/Pre-Characterization Investigation

LITHOLOGY LEGEND



- Asphalt
- Bedrock
- CH: Fat clay
- CL: Lean clay
- CL-ML: Silty clay
- Concrete
- Fill
- GC: Clayey gravel
- GM: Silty gravel
- GP: Narrowly-graded gravel
- GP-GM: Narrowly-graded gravel with silt
- GW: Widely-graded gravel
- GW-GM: Widely-graded gravel with silt
- Limestone
- MH: Elastic silt
- ML: Silt
- OH: Organic soil, high plasticity
- OL: Organic silt, low plasticity
- PT: Peat
- Sandstone
- SC: Clayey sand
- SC-SM: Silty clayey sand
- Shale
- Siltstone
- SM: Silty sand
- SP: Narrowly-graded sand
- SP-SC: Narrowly-graded sand with clay
- SP-SM: Narrowly-graded sand with silt
- SW: Widely-graded sand
- SW-SC: Widely-graded sand with clay
- SW-SM: Widely-graded sand with silt
- Topsoil

PHYSICAL IMPACTS LEGEND



- Tar saturated
- Coated material, lenses
- Hardened tar
- Blebs, globs, sheen
- Staining, odors
- Petroleum impacts saturation & sheen
- Petroleum impacts staining & odor
- Purifier waste and odor

Removal Action Work Plan Claremont Former MGP Site Claremont, NH	GEI Consultants	LITHOLOGY AND PHYSICAL OBSERVATIONS LEGEND
	Project 1320460-3	July 2014 Attachment 1

\\gtb1v-fs01\ H:\TECH\project\UGI\Claremont NH\gINT\Boring Logs\Lithology_Legend.dwg - 7/25/2014

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-01

GROUND SURFACE ELEVATION (FT): 516.10 **LOCATION:** Cement tar tank
NORTHING (FT): 319368 **EASTING (FT):** 806029 **TOTAL DEPTH (FT):** 14.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	SOIL / BEDROCK DESCRIPTION
515	0	S-1	60/25	0.3			(0'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moist, brown, weathered bedrock, dry from 0 to 1.5 feet.
				3.2			
				1.7			
				1.2			
	5	S-2	60/30	0.8			(5'- 6.42') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moist, brown.
510				0.1			
				0.9			(6.42'- 10') SILTY SAND (SM); rounded, ~60% sand, fine to medium, ~40% fines; max. size 0.75, wet, brown, trace gravel, black staining, wood fragments..
				2.3			
	10	S-3	36/25	1.2			(10'- 14') SILTY SAND (SM); rounded, ~60% sand, fine to medium, ~40% fines; max. size 0.75, wet, green gray, trace gravel, weathered bedrock, schist, staining from 10 to 11.08 feet.
505				2.1			
				0.7			
				0.8			

End of Boring at 14 feet.
Refusal at 14 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-02

GROUND SURFACE ELEVATION (FT): 502.10 **LOCATION:** Holder No. 3
NORTHING (FT): 319494 **EASTING (FT):** 805929 **TOTAL DEPTH (FT):** 4.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0	S-1	54/22	0		(0'- 0.33') TOP SOIL (SM).
						(0.33'- 2') CONCRETE.
500						(2'- 4.5') moist to dry, gray green, weathered bedrock.
						End of Boring at 4.5 feet.
						Refusal at 4.5 feet.

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MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants

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455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG

PAGE 1 of 1

CLMT-SB-03

GROUND SURFACE ELEVATION (FT): 503.20 **LOCATION:** SW of Holder No.3
NORTHING (FT): 319475 **EASTING (FT):** 805877 **TOTAL DEPTH (FT):** 3.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: *surveyed location is incorrect

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0	S-1	36/25			(0'- 1.33') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel, angular; max. size 1.5, saturated, saturation starts at 0.5 feet.
				0.2		
						(1.33'- 3') dry, green gray, Weathered bedrock.
				0		
				0		End of Boring at 3 feet. Refusal at 3 feet.

NOTES:

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NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG

PAGE 1 of 1

CLMT-SB-04

GROUND SURFACE ELEVATION (FT): 501.50 **LOCATION:** N of Holder No. 3
NORTHING (FT): 319523 **EASTING (FT):** 805914 **TOTAL DEPTH (FT):** 3.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0	S-1	42/25	0		(0'- 0.67') ~30% sand, fine to coarse, ~10% gravel; max. size 1.75, dry, brown to dark brown, trace brick, trace wood, trace roots, gravel rounded to angular.
500						(0.67'- 3.5') ~30% sand, fine to coarse, ~10% gravel; max. size 1.75, wet, brown to dark brown, weathered shale at 2 feet, trace brick, trace wood, trace roots, gravel rounded to angular.
						End of Boring at 3.5 feet. Refusal at 3.5 feet.

NOTES:

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JHS = JAR HEADSPACE PID READING (PPM)

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NM = NOT MEASURED
Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-05

GROUND SURFACE ELEVATION (FT): 502.10 **LOCATION:** East of gas house
NORTHING (FT): 319504 **EASTING (FT):** 805851 **TOTAL DEPTH (FT):** 6.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Hand Auger/Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/21	0				(0'- 0.5') fine to coarse; Degraded Concrete and asphalt.
500							PLO	(0.5'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, brown orange, brick, coated with black NAPL from 1.42 to 1.75 feet.
				77.9				
	5	S-2	12/12	1.7			PLO	(5'- 6') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; strong petroleum-like odor, saturated, Saturated with water.
				17.0				End of Boring at 6 feet. Refusal at 3.5 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
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JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED
Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-06

GROUND SURFACE ELEVATION (FT): 503.40 **LOCATION:** East end of property
NORTHING (FT): 319476 **EASTING (FT):** 805972 **TOTAL DEPTH (FT):** 5.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/32	0		(0'- 1.5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; brick fragments.
						(1.5'- 1.92') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; green gray, weathered bedrock.
500						(1.92'- 5') ORGANIC SILT (OL); moist, dark brown, large wood chunks.
	5	S-2	6/6	0		(5'- 5.5') SILTY SAND WITH GRAVEL (SM); green gray, weathered bedrock.
						End of Boring at 5.5 feet. Refusal at 5.5 feet.

NOTES:

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NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-07

GROUND SURFACE ELEVATION (FT): 500.90 **LOCATION:** Holder No. 2
NORTHING (FT): 319549 **EASTING (FT):** 805876 **TOTAL DEPTH (FT):** 4.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	48/33					(0'- 4') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; strong petroleum-like odor, brown orange.
500				8.8				Coated with NAPL from .92 to 1.58 feet.
				13.2			PLO	Saturated with NAPL from 1.58 to 2.75 feet.
				47.2				
				316				End of Boring at 4 feet. Refusal at 4 feet. Holder Bottom

NOTES:

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Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-08

GROUND SURFACE ELEVATION (FT): 500.30 **LOCATION:** North of Holder No. 2
NORTHING (FT): 319576 **EASTING (FT):** 805857 **TOTAL DEPTH (FT):** 8.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
500	0	S-1	60/33	0.3 1.1 1.5 132			PLO	(0'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel, fine to coarse, subangular; strong petroleum-like odor, wet, Coated with black NAPL from .92 to 1.58 feet, Saturated with black NAPL from 1.58 to 2.08.
495	5	S-2	36/25	29.3 17.4 15.9			PLO	(5'- 8') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~10% gravel, fine to coarse, subangular; strong petroleum-like odor, Saturated with black NAPL from 5 to 5.5 feet.
								End of Boring at 8 feet. Refusal at 8 feet.

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MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-09

GROUND SURFACE ELEVATION (FT): 501.40 **LOCATION:** Tail Race
NORTHING (FT): 319556 **EASTING (FT):** 805943 **TOTAL DEPTH (FT):** 7.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
500	0		48/NM					(0'- 3') SILTY SAND WITH GRAVEL (SM); ~50% fines, ~35% sand, fine to coarse, ~15% gravel; wet to saturated, dark brown, trace roots.
							PLO	(3'- 4') SILT (ML); ~85% fines, ~15% sand, fine to coarse; slight petroleum-like odor, wet, trace brick fragments, trace fine to course angular gravel, trace charred wood fragments.
	5		36/27	64.8 11.2 4.9			PLO	(4'- 7') ~30% sand, fine, ~20% fines; moderate petroleum-like odor, wet, ~50% weathered bedrock, wood fragments, coated with brown NAPL.
495				18.3				End of Boring at 7 feet. Refusal at 7 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-10

GROUND SURFACE ELEVATION (FT): 500.70 **LOCATION:** Tail Race
NORTHING (FT): 319582 **EASTING (FT):** 805919 **TOTAL DEPTH (FT):** 7.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
500	0	S-1	48/48	0 0				(0'- 2') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel, rounded; max. size 2.5, wet, dark brown, trace roots.
				43.0 18.2			PLO	(2'- 4') SILTY SAND WITH GRAVEL (SM); ~65% sand, fine to medium, ~30% fines, ~5% gravel, subrounded; strong petroleum-like odor, coated with bluish black NAPL, trace brick.
495	5	S-2	36/21				PLO	(4'- 7') SILTY SAND WITH GRAVEL (SM); ~65% sand, fine to medium, ~30% fines, ~5% gravel, subrounded; strong petroleum-like odor, black staining, weathered bedrock at 7 feet.
								End of Boring at 7 feet. Refusal at 7 feet.

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BORING LOG
PAGE 1 of 1
CLMT-SB-11

GROUND SURFACE ELEVATION (FT): 500.00 **LOCATION:** Tail Race
NORTHING (FT): 319598 **EASTING (FT):** 805891 **TOTAL DEPTH (FT):** 5.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/33	0				(0'- 0.33') SILTY SAND (SM); ~70% sand, fine to medium, ~30% fines; moist, dark brown, trace organics. (0.33'- 1.58') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel, subangular; wet, dark brown.
				0				(1.58'- 2.25') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel, subangular; wet, dark brown, staining, black.
				1.8			PLO	(2.25'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel, subangular; strong petroleum-like odor, wet, dark brown, saturated with NAPL, weathered bedrock at 2.67 feet.
				9.2				
495	5	S-2	6/5				PLO	(5'- 5.5') strong petroleum-like odor, green gray, weathered bedrock, saturated with NAPL.
								End of Boring at 5.5 feet. Refusal at 5.5 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG
PAGE 1 of 1
CLMT-SB-12

GROUND SURFACE ELEVATION (FT): 499.90 **LOCATION:** Tail Race
NORTHING (FT): 319584 **EASTING (FT):** 805819 **TOTAL DEPTH (FT):** 8.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/44					(0'- 1') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel, subangular; max. size 0.75, wet, brown, trace bricks, trace roots,.
				4.7				(1'- 2.08') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel, subangular; wet, dark brown, black staining.
				3.0				(2.08'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel, subangular; strong naphthalene-like odor, wet, brown, saturated with black NAPL.
				35.9			NLO	
				67.4				
495	5	S-2	36/27	11.2				(5'- 8') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel, subangular; strong petroleum-like odor, wet, brown, saturated with black NAPL.
				46.2			PLO	
				37.7				
								End of Boring at 8 feet. Refusal at 8 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-13

GROUND SURFACE ELEVATION (FT): 499.60 **LOCATION:** Tail Race
NORTHING (FT): 319638 **EASTING (FT):** 805849 **TOTAL DEPTH (FT):** 7.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/29	1.5 1 1.1		PLO	(0'- 0.33') SILTY SAND WITH GRAVEL (SM); ~65% sand, fine to medium, ~35% fines; dry, brown. (0.33'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; slight petroleum-like odor, saturated, dark brown, saturation begins at 1 foot, glass.
495	5	S-2	24/8	5.0 2.3			(5'- 7') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; saturated, dark brown, bedrock in spoon.
							End of Boring at 7 feet. Refusal at 7 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG
PAGE 1 of 1
CLMT-SB-14

GROUND SURFACE ELEVATION (FT): 499.30 **LOCATION:** North of coal house
NORTHING (FT): 319595 **EASTING (FT):** 805797 **TOTAL DEPTH (FT):** 13.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/31					(0'- 1') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~35% fines, ~5% gravel; brown, trace roots.
				4.9				(1'- 2') GRAVEL WITH SILT AND SAND (GW-GM); ~50% gravel, ~30% sand, fine to coarse, ~20% fines; saturated, strong sweet odor (chemical like), sheen.
				1.6				(2'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, brown, coated with black NAPL.
495				7.1			PLO	
				14.9				
	5	S-2	60/41	27.1				(5'- 10') GRAVEL WITH SILT AND SAND (GW-GM); ~50% gravel, ~30% sand, fine to coarse, ~20% fines; strong naphthalene-like odor, clinker, ash, wood, saturated with black NAPL.
				34.9				
				64.7			NLO	
				17.8				
490				81.5				
	10	S-3	36/34	169				(10'- 11.83') GRAVEL WITH SILT AND SAND (GW-GM); ~50% gravel, ~30% sand, fine to coarse, ~20% fines; strong naphthalene-like odor, clinker, ash, wood, saturated with black NAPL.
				254			NLO	
				178				(11.83'- 12.25') ORGANIC SILT (OL); ~10% sand, fine; moist, brown, saturated with NAPL.
								(12.25'- 12.67') GRAVEL WITH SILT AND SAND (GW-GM); ~50% gravel, ~30% sand, fine to coarse, ~20% fines.
								(12.67'- 13') green gray, weathered bedrock.
								End of Boring at 13 feet.
								Refusal at 13 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG
PAGE 1 of 1
CLMT-SB-15

GROUND SURFACE ELEVATION (FT): 498.00 **LOCATION:** Tail Race
NORTHING (FT): 319634 **EASTING (FT):** 805791 **TOTAL DEPTH (FT):** 19.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/27	0 10.8 56.2				(0'- 5') SILTY GRAVEL WITH SAND (GM); ~50% gravel, ~35% sand, fine to coarse, ~15% fines; saturated, dark brown. (0.67'- 2.25') SILTY GRAVEL WITH SAND (GM); ~50% gravel, ~35% sand, fine to coarse, ~15% fines; saturated, dark brown, saturated with black NAPL from 0.67 to 2.25 feet. (2.25'- 5') SILTY GRAVEL WITH SAND (GM); ~50% gravel, ~35% sand, fine to coarse, ~15% fines; saturated, dark brown.
495	5	S-2	60/31	31.3 58.4 35.6			PLO PLO	(5'- 5.67') SILTY GRAVEL WITH SAND (GM); ~50% gravel, ~35% sand, fine to coarse, ~15% fines; saturated, dark brown, saturated with black NAPL. (5.67'- 7') ORGANIC SILT (OL); strong petroleum-like odor, saturated with black NAPL. (7'- 10') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moderate petroleum-like odor, saturated, saturated with black NAPL.
490	10	S-3	60/23	30 6.9 22.9			PLO	(10'- 10.92') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moderate petroleum-like odor, saturated, saturated with black NAPL. (10.92'- 15') green gray, weathered bedrock, schist, coated with brown product.
485	15	S-4	48/31	9.2 9.0 44.6 145			PLO	SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to coarse, ~20% gravel, ~20% fines; strong petroleum-like odor, saturated, saturated/coated with with black NAPL, sheen, gravel is weathered bedrock.
480								End of Boring at 19 feet. Refusal at 19 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG
PAGE 1 of 1
CLMT-SB-16

GROUND SURFACE ELEVATION (FT): 495.40 **LOCATION:** Tail Race
NORTHING (FT): 319644 **EASTING (FT):** 805757 **TOTAL DEPTH (FT):** 8.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
495	0	S-1	60/9	0.3				(0'- 0.58') SILTY SAND WITH GRAVEL (SM); ~70% sand, fine to medium, ~30% fines; wet, brown.
				10.4			PLO	(0.58'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, coated with black NAPL, trace organics,.
490	5	S-2	42/14	3.5			PLO	(5'- 5.42') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; strong petroleum-like odor, wet, brown, coated with black NAPL, sheen.
				14.4				(5.42'- 8.5') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; orange and green, weathered bedrock.
								End of Boring at 8.5 feet. Refusal at 8.5 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED
Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG

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CLMT-SB-17

GROUND SURFACE ELEVATION (FT): 498.50 **LOCATION:** NW corner of coal house
NORTHING (FT): 319591 **EASTING (FT):** 805776 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/30					(0'- 0.58') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; moist, trace roots.
				2.4			PLO	(0.58'- 1.42') SILT (ML); ~80% fines, ~20% sand; strong petroleum-like odor, moist, .58 to 1.42 feet black staining.
				85.2				(1.42'- 5') SILT (ML); ~80% fines, ~20% sand; strong petroleum-like odor, moist, saturated with black NAPL 1.42 to bottom.
				140			PLO	
495				368				
	5							End of Boring at 5 feet. Refusal at 5 feet.

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BORING LOG
PAGE 1 of 1
CLMT-SB-18

GROUND SURFACE ELEVATION (FT): 495.00 **LOCATION:** Tail Race
NORTHING (FT): 319651 **EASTING (FT):** 805721 **TOTAL DEPTH (FT):** 8.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/18	0.6 5.9 2.4				(0'- 5') SILTY SAND WITH GRAVEL (SM); ~60% sand, fine to medium, ~40% fines; moist, brown.
490	5	S-2	42/29	4.5 6.9 5.8 2.3			PLO	(5'- 6.58') ORGANIC SILT (OL); ~30% sand; moderate petroleum-like odor, ~70% organic soil, saturated with black NAPL. (6.58'- 7.17') ORGANIC SILT (OL); ~30% sand; wet, brown, ~70% organic soil, no product. (7.17'- 8.5') weathered bedrock.
								End of Boring at 8.5 feet. Refusal at 8.5 feet.

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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG
PAGE 1 of 1
CLMT-SB-19

GROUND SURFACE ELEVATION (FT): 493.90 **LOCATION:** W of coal house, E of river
NORTHING (FT): 319595 **EASTING (FT):** 805734 **TOTAL DEPTH (FT):** 8.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Approximate elevation ~493.9

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/28					(0'- 0.5') SILT (ML); ~55% fines, ~45% sand; moist, brown, organics.
								(0.5'- 1.17') weathered bedrock.
				1.5				(1.17'- 5') SILTY SAND WITH GRAVEL (SM); ~45% sand, fine to coarse, ~40% fines, ~15% gravel; moderate petroleum-like odor, dry, black staining.
				12.3				
490				87.4			PLO	
	5	S-2	36/24	57.5			PLO	(5'- 6.47') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; strong petroleum-like odor, saturated with black NAPL.
				56.8				(6.47'- 6.83') ORGANIC SILT (OL); brown, saw dust, organic soil.
				25.3				(6.83'- 8') SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; saturated with black NAPL.
								End of Boring at 8 feet. Refusal at 8 feet.

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S_V = TORVANE PEAK

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BORING LOG

PAGE 1 of 1

CLMT-SB-20

GROUND SURFACE ELEVATION (FT): 501.40 **LOCATION:** W of Holder No. 1
NORTHING (FT): 319494 **EASTING (FT):** 805929 **TOTAL DEPTH (FT):** 3.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Hand Auger
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Hand augered

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0		36/36			(0'- 1') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; max. size 2.5, dry, brown, well rounded to sub rounded gravel, trace roots.
500				.4		(1'- 3') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; max. size 2.5, dry, light brown, well rounded to sub rounded gravel, no roots.
				.9		
				.9		End of Boring at 3 feet. refusal hand auger

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NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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GEI PROJECT NUMBER: 1320460

BORING LOG

PAGE 1 of 1

CLMT-SB-21

GROUND SURFACE ELEVATION (FT): 501.00 **LOCATION:** W of Holder No. 1
NORTHING (FT): 319539 **EASTING (FT):** 805753 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Hand Auger
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Scrapped the side of the bank to expose fresh soil and sampled/logged fresh soil

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
500	0		60/60	0.3		(0'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel; dry, weathered bedrock.
				0.4		
	5					End of Boring at 5 feet.

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Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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BORING LOG

PAGE 1 of 1

CLMT-SB-22

GROUND SURFACE ELEVATION (FT): 500.60 **LOCATION:** W of Holder No. 1
NORTHING (FT): 319511 **EASTING (FT):** 805754 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Hand Auger
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Scrapped the side of the bank to expose fresh soil and sampled/logged fresh soil

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
500	0		60/60	0		(0'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moist, brown, trace roots.
	5					End of Boring at 5 feet.

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Q_p = POCKET PENETROMETER
S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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BORING LOG

PAGE 1 of 1

CLMT-SB-23

GROUND SURFACE ELEVATION (FT): 501.40 **LOCATION:** W of Holder No. 1
NORTHING (FT): 319491 **EASTING (FT):** 805770 **TOTAL DEPTH (FT):** 4.5
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/22/2014 - 4/22/2014
DRILLING DETAILS: Hand Auger
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Hand augered

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	SOIL / BEDROCK DESCRIPTION
	0		36/36			(0'- 3') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moist, dark brown, trace roots, 1.5 inch diametier clinker.
500				0		
				0		
			18/18	8.4		(3'- 4.5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; moist, dark brown, trace roots, moderate sweet chemical like odor.
				9.4		
						End of Boring at 4.5 feet. refusal hand auger

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BORING LOG
PAGE 1 of 1
CLMT-SB-24

GROUND SURFACE ELEVATION (FT): 503.00 **LOCATION:** Tail Race
NORTHING (FT): 319530 **EASTING (FT):** 805961 **TOTAL DEPTH (FT):** 7.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/37	0			PLO	SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; slight petroleum-like odor, wet, brown, brick, glass, weathered bedrock.
500							PLO	SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; slight petroleum-like odor, wet, brown, brick, glass, weathered bedrock, black staining from 2.58 to 3.08.
							PLO	SILTY SAND WITH GRAVEL (SM); ~50% sand, ~35% fines, ~15% gravel; slight petroleum-like odor, wet, brown, brick, glass, weathered bedrock,.
	5	S-2	24/9	0			PLO	SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; slight petroleum-like odor, wet, brown.
								Green gray, weathered bedrock.
								End of Boring at 7 feet. Refusal at 7 feet.

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Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
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ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

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GEI PROJECT NUMBER: 1320460

BORING LOG
PAGE 1 of 1
CLMT-SB-25

GROUND SURFACE ELEVATION (FT): 503.80 **LOCATION:** Tail Race
NORTHING (FT): 319505 **EASTING (FT):** 805978 **TOTAL DEPTH (FT):** 7.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/21/2014 - 4/21/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC IN./IN.	PID (PPM)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/27	0				SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel; wet to saturated, dark brown, wood, glass..
								SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel; wet to saturated, dark brown, wood, glass. coated with black NAPL from 1.58 to 2.25 feet.
								SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel; wet to saturated, dark brown, wood glass.
500								
	5	S-2	24/17	4.4			PLO	SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to medium, ~35% fines, ~15% gravel; moderate petroleum-like odor, saturated, Saturated with black NAPL, sheen on water in sleeve.
				4.0				
								End of Boring at 7 feet. Refusal at 7 feet.

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BORING LOG

PAGE 1 of 1

CLMT-SB-26

GROUND SURFACE ELEVATION (FT): 504.60 **LOCATION:** S of Gas House
NORTHING (FT): 319452 **EASTING (FT):** 805794 **TOTAL DEPTH (FT):** 17.0
DRILLED BY: Northern drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L.Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: Soil not logged, boring completed for depth to bedrock surface only.

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	STRATA	SOIL / BEDROCK DESCRIPTION
	0				
500	5				
495	10				
490	15				

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED
Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: UGI-Amerigas Propane, Inc
PROJECT: Claremont former MGP
CITY/STATE: Claremont, New Hampshire
GEI PROJECT NUMBER: 1320460

BORING LOG

PAGE 1 of 1

CLMT-SB-27

GROUND SURFACE ELEVATION (FT): 498.80 **LOCATION:** N of Coal House
NORTHING (FT): 319619 **EASTING (FT):** 805822 **TOTAL DEPTH (FT):** 8.0
DRILLED BY: Northern Drillers **DATUM VERT. / HORZ.:**
LOGGED BY: L. Sutton **DATE START / END:** 4/23/2014 - 4/23/2014
DRILLING DETAILS: Geoprobe/5 ft long plastic sleeves
WATER LEVEL DEPTHS (FT):
GENERAL NOTE:

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC IN./IN.	SAMPLE INFO: PID (PPM)	STRATA	VISUAL IMPACTS	SOIL / BEDROCK DESCRIPTION
	0	S-1	60/27	2.3			(0'- 1.33') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; wet, dark brown.
				2.1			
							(1.33'- 5') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; wet, dark brown, coated with black NAPL.
				44.7			
				21.9			
495							
	5	S-2	36/31	1.9			(5'- 7.42') SILTY SAND WITH GRAVEL (SM); ~50% sand, fine to coarse, ~35% fines, ~15% gravel; saturated, dark brown.
				25.8			
				6.9			
							(7.42'- 8') green gray, weathered bedrock, schist.
							End of Boring at 8 feet. Refusal at 8 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED
Q_P = POCKET PENETROMETER
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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG BORING LOGS.GPJ FULTON DATA TEMPLATE.GDT 9/9/14

Appendix D

Waste Classification Soil Data

New England ACCUTEST LABORATORIES

05/14/14



Technical Report for

GEI/Atlantic

Former MGP Site, Claremont, NH

Accutest Job Number: MC30024

Sampling Dates: 04/21/14 - 04/23/14

Report to:

GEI Consultants Inc.
18000 Horizon Drive Suite 200
Mount Laurel, NJ 08054
ARoyko@geiconsultants.com

ATTN: J. Stynchula

Total number of pages in report: **249**

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

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GEI/Atlantic

Job No: MC30024

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-1	04/21/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-24/9
MC30024-2	04/21/14	14:40	LSGS	04/23/14	SO	Soil	CLMT-SB-5
MC30024-3	04/21/14	15:30	LSGS	04/23/14	SO	Soil	CLMT-SB-7
MC30024-4	04/21/14	16:30	LSGS	04/23/14	SO	Soil	CLMT-SB-8
MC30024-5	04/22/14	09:00	LSGS	04/23/14	SO	Soil	CLMT-SB-10
MC30024-6	04/22/14	09:55	LSGS	04/23/14	SO	Soil	CLMT-SB-11
MC30024-7	04/22/14	10:40	LSGS	04/23/14	SO	Soil	CLMT-SB-12
MC30024-8	04/22/14	11:15	LSGS	04/23/14	SO	Soil	CLMT-SB-14
MC30024-9	04/22/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-17
MC30024-10	04/22/14	15:10	LSGS	04/23/14	SO	Soil	CLMT-SB-23
MC30024-11	04/22/14	16:15	LSGS	04/23/14	SO	Soil	CLMT-SB-22
MC30024-12	04/22/14	16:00	LSGS	04/23/14	SO	Sediment	CLMT-SED-1
MC30024-13	04/22/14	16:25	LSGS	04/23/14	SO	Soil	CLMT-SB-21

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

Sample Summary
(continued)

GEI/Atlantic

Job No: MC30024

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-14	04/22/14	16:35	LSGS	04/23/14	SO	Soil	CLMT-SB-1
MC30024-15	04/23/14	09:15	LSGS	04/23/14	SO	Soil	CLMT-SB-15
MC30024-16	04/23/14	09:40	LSGS	04/23/14	SO	Soil	CLMT-SB-13
MC30024-17	04/23/14	10:10	LSGS	04/23/14	SO	Soil	CLMT-SB-16
MC30024-18	04/23/14	10:35	LSGS	04/23/14	SO	Soil	CLMT-SB-18
MC30024-19	04/23/14	11:00	LSGS	04/23/14	SO	Soil	CLMT-SB-19
MC30024-20	04/23/14	13:25	LSGS	04/23/14	SO	Soil	CLMT-SB-20

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

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-1	**CLMT-SB-24/9**					
Benzene		533	310		ug/kg	SW846 8260C
Ethylbenzene		3620	1300		ug/kg	SW846 8260C
Naphthalene		419000	31000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		8630	3100		ug/kg	SW846 8260C
m,p-Xylene		3530	1300		ug/kg	SW846 8260C
o-Xylene		1930	1300		ug/kg	SW846 8260C
Xylene (total)		5460	1300		ug/kg	SW846 8260C
Acenaphthene		271000	8000		ug/kg	SW846 8270D
Acenaphthylene		37300	800		ug/kg	SW846 8270D
Anthracene		132000	8000		ug/kg	SW846 8270D
Benzo(a)anthracene		90300	8000		ug/kg	SW846 8270D
Benzo(a)pyrene		61400	800		ug/kg	SW846 8270D
Benzo(b)fluoranthene		43900	800		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		23000	800		ug/kg	SW846 8270D
Benzo(k)fluoranthene		17600	800		ug/kg	SW846 8270D
Chrysene		61300	800		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		6820	800		ug/kg	SW846 8270D
Fluoranthene		60900	800		ug/kg	SW846 8270D
Fluorene		161000	8000		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		18400	800		ug/kg	SW846 8270D
1-Methylnaphthalene		254000	20000		ug/kg	SW846 8270D
2-Methylnaphthalene		281000	8000		ug/kg	SW846 8270D
Naphthalene		365000	8000		ug/kg	SW846 8270D
Phenanthrene		441000	8000		ug/kg	SW846 8270D
Pyrene		282000	8000		ug/kg	SW846 8270D
TPH-GRO (VOA)		167	85		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		8740	270		mg/kg	SW846-8015
Arsenic		7.9	1.2		mg/kg	SW846 6010C
Barium		71.8	6.1		mg/kg	SW846 6010C
Cadmium		0.64	0.49		mg/kg	SW846 6010C
Chromium		31.1	1.2		mg/kg	SW846 6010C
Lead		274	1.2		mg/kg	SW846 6010C
Mercury		1.1	0.039		mg/kg	SW846 7471B
Nickel		19.1	4.9		mg/kg	SW846 6010C
Sulfur		4850	61		mg/kg	SW846 6010C
Vanadium		55.6	1.2		mg/kg	SW846 6010C
Zinc		215	2.5		mg/kg	SW846 6010C
Cyanide		0.24	0.19		mg/kg	SW846 9012 M
Heat Content, BTU [a]		889	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.34	0.14		%	ASTM D129-95

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-2	**CLMT-SB-5**					
Benzene		207	51		ug/kg	SW846 8260C
Ethylbenzene		220	200		ug/kg	SW846 8260C
Toluene		798	510		ug/kg	SW846 8260C
m,p-Xylene		650	200		ug/kg	SW846 8260C
Xylene (total)		793	200		ug/kg	SW846 8260C
Acenaphthylene		1340	1100		ug/kg	SW846 8270D
Anthracene		2600	1100		ug/kg	SW846 8270D
Benzo(a)anthracene		3020	1100		ug/kg	SW846 8270D
Benzo(a)pyrene		2310	1100		ug/kg	SW846 8270D
Benzo(b)fluoranthene		2160	1100		ug/kg	SW846 8270D
Chrysene		2340	1100		ug/kg	SW846 8270D
Fluoranthene		4620	1100		ug/kg	SW846 8270D
Phenanthrene		4190	1100		ug/kg	SW846 8270D
Pyrene		8830	1100		ug/kg	SW846 8270D
TPH-GRO (VOA)		45.7	11		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		1110	19		mg/kg	SW846-8015
Antimony		0.93	0.93		mg/kg	SW846 6010C
Arsenic		8.8	0.93		mg/kg	SW846 6010C
Barium		30.3	4.6		mg/kg	SW846 6010C
Beryllium		0.49	0.37		mg/kg	SW846 6010C
Cadmium		3.2	0.37		mg/kg	SW846 6010C
Chromium		12.7	0.93		mg/kg	SW846 6010C
Lead		59.7	0.93		mg/kg	SW846 6010C
Mercury		0.039	0.037		mg/kg	SW846 7471B
Nickel		21.6	3.7		mg/kg	SW846 6010C
Sulfur		956	4.6		mg/kg	SW846 6010C
Vanadium		21.4	0.93		mg/kg	SW846 6010C
Zinc		386	1.9		mg/kg	SW846 6010C
Cyanide		0.28	0.13		mg/kg	SW846 9012 M
Heat Content, BTU [a]		186	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.23	0.10		%	ASTM D129-95
MC30024-3	**CLMT-SB-7**					
Benzene		4080	1900		ug/kg	SW846 8260C
Ethylbenzene		135000	7600		ug/kg	SW846 8260C
Naphthalene		1590000	95000		ug/kg	SW846 8260C
Toluene		44500	19000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		134000	19000		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		39000	19000		ug/kg	SW846 8260C
m,p-Xylene		142000	7600		ug/kg	SW846 8260C
o-Xylene		60100	7600		ug/kg	SW846 8260C
Xylene (total)		202000	7600		ug/kg	SW846 8260C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthene		52800	1100		ug/kg	SW846 8270D
Acenaphthylene		123000	11000		ug/kg	SW846 8270D
Anthracene		59700	1100		ug/kg	SW846 8270D
Benzo(a)anthracene		33400	1100		ug/kg	SW846 8270D
Benzo(a)pyrene		23000	1100		ug/kg	SW846 8270D
Benzo(b)fluoranthene		16900	1100		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		7160	1100		ug/kg	SW846 8270D
Benzo(k)fluoranthene		4780	1100		ug/kg	SW846 8270D
Carbazole		1220	1100		ug/kg	SW846 8270D
Chrysene		26400	1100		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		2480	1100		ug/kg	SW846 8270D
Dibenzofuran		12600	1100		ug/kg	SW846 8270D
Fluoranthene		55400	1100		ug/kg	SW846 8270D
Fluorene		74300	1100		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		5930	1100		ug/kg	SW846 8270D
1-Methylnaphthalene		366000	28000		ug/kg	SW846 8270D
2-Methylnaphthalene		569000	11000		ug/kg	SW846 8270D
Naphthalene		862000	11000		ug/kg	SW846 8270D
Phenanthrene		210000	11000		ug/kg	SW846 8270D
Pyrene		80500	1100		ug/kg	SW846 8270D
TPH-GRO (VOA)		1710	81		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		7950	180		mg/kg	SW846-8015
Arsenic		21.0	0.91		mg/kg	SW846 6010C
Barium		28.8	4.6		mg/kg	SW846 6010C
Chromium		12.5	0.91		mg/kg	SW846 6010C
Lead		37.5	0.91		mg/kg	SW846 6010C
Mercury		0.16	0.036		mg/kg	SW846 7471B
Nickel		20.2	3.7		mg/kg	SW846 6010C
Sulfur		601	4.6		mg/kg	SW846 6010C
Vanadium		16.4	0.91		mg/kg	SW846 6010C
Zinc		60.0	1.8		mg/kg	SW846 6010C
Cyanide		1.3	0.13		mg/kg	SW846 9012 M
Heat Content, BTU [a]		1620	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.24	0.10		%	ASTM D129-95
MC30024-4	**CLMT-SB-8**					
Benzene		7270	310		ug/kg	SW846 8260C
n-Butylbenzene		4350	3100		ug/kg	SW846 8260C
Ethylbenzene		31100	1200		ug/kg	SW846 8260C
Isopropylbenzene		4000	3100		ug/kg	SW846 8260C
p-Isopropyltoluene		3140	3100		ug/kg	SW846 8260C
Naphthalene		322000	31000		ug/kg	SW846 8260C
Toluene		5280	3100		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		26700	3100		ug/kg	SW846 8260C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,3,5-Trimethylbenzene		7500	3100		ug/kg	SW846 8260C
m,p-Xylene		23100	1200		ug/kg	SW846 8260C
o-Xylene		11700	1200		ug/kg	SW846 8260C
Xylene (total)		34800	1200		ug/kg	SW846 8260C
Acenaphthene		41900	1500		ug/kg	SW846 8270D
Anthracene		10700	1500		ug/kg	SW846 8270D
Benzo(a)anthracene		7530	1500		ug/kg	SW846 8270D
Benzo(a)pyrene		6380	1500		ug/kg	SW846 8270D
Benzo(b)fluoranthene		5340	1500		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		3130	1500		ug/kg	SW846 8270D
Benzo(k)fluoranthene		1970	1500		ug/kg	SW846 8270D
Chrysene		5350	1500		ug/kg	SW846 8270D
Fluoranthene		11600	1500		ug/kg	SW846 8270D
Fluorene		15500	1500		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		2640	1500		ug/kg	SW846 8270D
1-Methylnaphthalene		69900	3700		ug/kg	SW846 8270D
2-Methylnaphthalene		109000	1500		ug/kg	SW846 8270D
Naphthalene		113000	1500		ug/kg	SW846 8270D
Phenanthrene		39000	1500		ug/kg	SW846 8270D
Pyrene		17900	1500		ug/kg	SW846 8270D
TPH-GRO (VOA)		177	16		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		2330	240		mg/kg	SW846-8015
Arsenic		9.0	1.1		mg/kg	SW846 6010C
Barium		42.6	5.7		mg/kg	SW846 6010C
Chromium		16.4	1.1		mg/kg	SW846 6010C
Lead		106	1.1		mg/kg	SW846 6010C
Mercury		0.094	0.035		mg/kg	SW846 7471B
Nickel		17.7	4.6		mg/kg	SW846 6010C
Sulfur		1270	5.7		mg/kg	SW846 6010C
Vanadium		36.1	1.1		mg/kg	SW846 6010C
Zinc		101	2.3		mg/kg	SW846 6010C
Cyanide		0.19	0.18		mg/kg	SW846 9012 M
Heat Content, BTU [a]		3710	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.57	0.15		%	ASTM D129-95
MC30024-5	**CLMT-SB-10**					
Naphthalene		585000	22000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		40800	22000		ug/kg	SW846 8260C
Xylene (total)		11500	8700		ug/kg	SW846 8260C
Acenaphthene		29700	12000		ug/kg	SW846 8270D
Acenaphthylene		15500	12000		ug/kg	SW846 8270D
Anthracene		21200	12000		ug/kg	SW846 8270D
Benzo(a)anthracene		23000	12000		ug/kg	SW846 8270D
Benzo(a)pyrene		23900	12000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(b)fluoranthene		17400	12000		ug/kg	SW846 8270D
Chrysene		17200	12000		ug/kg	SW846 8270D
Fluoranthene		32000	12000		ug/kg	SW846 8270D
Fluorene		22700	12000		ug/kg	SW846 8270D
1-Methylnaphthalene		49500	29000		ug/kg	SW846 8270D
2-Methylnaphthalene		64000	12000		ug/kg	SW846 8270D
Naphthalene		50200	12000		ug/kg	SW846 8270D
Phenanthrene		55800	12000		ug/kg	SW846 8270D
Pyrene		63700	12000		ug/kg	SW846 8270D
TPH-GRO (VOA)		160	22		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		1870	200		mg/kg	SW846-8015
Arsenic		20.4	0.98		mg/kg	SW846 6010C
Barium		54.4	4.9		mg/kg	SW846 6010C
Chromium		18.3	0.98		mg/kg	SW846 6010C
Lead		6310	9.8		mg/kg	SW846 6010C
Mercury		0.86	0.037		mg/kg	SW846 7471B
Nickel		22.8	3.9		mg/kg	SW846 6010C
Sulfur		1460	4.9		mg/kg	SW846 6010C
Vanadium		27.0	0.98		mg/kg	SW846 6010C
Zinc		128	2.0		mg/kg	SW846 6010C
Cyanide		2.1	0.14		mg/kg	SW846 9012 M
Heat Content, BTU [a]		228	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		3.0	0.070		%	ASTM D129-95
MC30024-6	**CLMT-SB-11**					
Benzene		390	73		ug/kg	SW846 8260C
Ethylbenzene		582	290		ug/kg	SW846 8260C
Naphthalene		22500	730		ug/kg	SW846 8260C
Toluene		1090	730		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		2900	730		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		868	730		ug/kg	SW846 8260C
m,p-Xylene		1820	290		ug/kg	SW846 8260C
o-Xylene		947	290		ug/kg	SW846 8260C
Xylene (total)		2770	290		ug/kg	SW846 8260C
Acenaphthene		17100	14000		ug/kg	SW846 8270D
Anthracene		26500	14000		ug/kg	SW846 8270D
Benzo(a)anthracene		39800	14000		ug/kg	SW846 8270D
Benzo(a)pyrene		32500	14000		ug/kg	SW846 8270D
Benzo(b)fluoranthene		43000	14000		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		14100	14000		ug/kg	SW846 8270D
Chrysene		31100	14000		ug/kg	SW846 8270D
Fluoranthene		83500	14000		ug/kg	SW846 8270D
Fluorene		21700	14000		ug/kg	SW846 8270D
2-Methylnaphthalene		21600	14000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID / Result/ Qual	RL	MDL	Units	Method
Phenanthrene	108000	14000		ug/kg	SW846 8270D
Pyrene	88800	14000		ug/kg	SW846 8270D
TPH-GRO (VOA)	42.6	15		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)	2890	220		mg/kg	SW846-8015
Arsenic	10.5	1.1		mg/kg	SW846 6010C
Barium	97.4	5.4		mg/kg	SW846 6010C
Chromium	18.3	1.1		mg/kg	SW846 6010C
Lead	142	1.1		mg/kg	SW846 6010C
Mercury	0.39	0.039		mg/kg	SW846 7471B
Nickel	16.2	4.3		mg/kg	SW846 6010C
Sulfur	2310	27		mg/kg	SW846 6010C
Vanadium	37.0	1.1		mg/kg	SW846 6010C
Zinc	150	2.2		mg/kg	SW846 6010C
Cyanide	1.3	0.16		mg/kg	SW846 9012 M
Heat Content, BTU [a]	2300	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]	0.27	0.12		%	ASTM D129-95
MC30024-7 CLMT-SB-12					
Benzene	12300	4200		ug/kg	SW846 8260C
Ethylbenzene	242000	17000		ug/kg	SW846 8260C
Naphthalene	2660000	42000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene	225000	42000		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene	71300	42000		ug/kg	SW846 8260C
m,p-Xylene	238000	17000		ug/kg	SW846 8260C
o-Xylene	109000	17000		ug/kg	SW846 8260C
Xylene (total)	347000	17000		ug/kg	SW846 8260C
Acenaphthene	322000	28000		ug/kg	SW846 8270D
Acenaphthylene	71500	2800		ug/kg	SW846 8270D
Anthracene	173000	2800		ug/kg	SW846 8270D
Benzo(a)anthracene	120000	2800		ug/kg	SW846 8270D
Benzo(a)pyrene	86800	2800		ug/kg	SW846 8270D
Benzo(b)fluoranthene	81600	2800		ug/kg	SW846 8270D
Benzo(g,h,i)perylene	30400	2800		ug/kg	SW846 8270D
Benzo(k)fluoranthene	24100	2800		ug/kg	SW846 8270D
Carbazole	11900	2800		ug/kg	SW846 8270D
Chrysene	101000	2800		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	11700	2800		ug/kg	SW846 8270D
Dibenzofuran	49600	2800		ug/kg	SW846 8270D
Fluoranthene	204000	2800		ug/kg	SW846 8270D
Fluorene	193000	2800		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	26400	2800		ug/kg	SW846 8270D
1-Methylnaphthalene	562000	70000		ug/kg	SW846 8270D
2-Methylnaphthalene	801000	28000		ug/kg	SW846 8270D
Naphthalene	798000	28000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Phenanthrene	560000	28000		ug/kg	SW846 8270D
Pyrene	362000	28000		ug/kg	SW846 8270D
TPH-GRO (VOA)	1460	100		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)	11800	220		mg/kg	SW846-8015
Arsenic	25.9	1.1		mg/kg	SW846 6010C
Barium	60.9	5.5		mg/kg	SW846 6010C
Cadmium	0.49	0.44		mg/kg	SW846 6010C
Chromium	15.5	1.1		mg/kg	SW846 6010C
Lead	97.0	1.1		mg/kg	SW846 6010C
Mercury	0.20	0.038		mg/kg	SW846 7471B
Nickel	18.9	4.4		mg/kg	SW846 6010C
Selenium	2.2	1.1		mg/kg	SW846 6010C
Sulfur	5010	55		mg/kg	SW846 6010C
Vanadium	21.4	1.1		mg/kg	SW846 6010C
Zinc	75.9	2.2		mg/kg	SW846 6010C
Cyanide	2.7	0.15		mg/kg	SW846 9012 M
Heat Content, BTU [a]	3180	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]	0.75	0.10		%	ASTM D129-95
MC30024-8 CLMT-SB-14					
Benzene	55200	22000		ug/kg	SW846 8260C
Ethylbenzene	281000	87000		ug/kg	SW846 8260C
Naphthalene	5800000	220000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene	349000	220000		ug/kg	SW846 8260C
m,p-Xylene	348000	87000		ug/kg	SW846 8260C
o-Xylene	174000	87000		ug/kg	SW846 8260C
Xylene (total)	522000	87000		ug/kg	SW846 8260C
Acenaphthene	397000	34000		ug/kg	SW846 8270D
Acenaphthylene	205000	3400		ug/kg	SW846 8270D
Anthracene	371000	34000		ug/kg	SW846 8270D
Benzo(a)anthracene	210000	3400		ug/kg	SW846 8270D
Benzo(a)pyrene	152000	3400		ug/kg	SW846 8270D
Benzo(b)fluoranthene	147000	3400		ug/kg	SW846 8270D
Benzo(g,h,i)perylene	59700	3400		ug/kg	SW846 8270D
Benzo(k)fluoranthene	45700	3400		ug/kg	SW846 8270D
Carbazole	70200	3400		ug/kg	SW846 8270D
Chrysene	171000	3400		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	22600	3400		ug/kg	SW846 8270D
Dibenzofuran	160000	3400		ug/kg	SW846 8270D
Fluoranthene	416000	34000		ug/kg	SW846 8270D
Fluorene	421000	34000		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	51700	3400		ug/kg	SW846 8270D
1-Methylnaphthalene	869000	85000		ug/kg	SW846 8270D
2-Methylnaphthalene	1260000	34000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Naphthalene		1520000	34000		ug/kg	SW846 8270D
Phenanthrene		974000	34000		ug/kg	SW846 8270D
Pyrene		558000	34000		ug/kg	SW846 8270D
TPH-GRO (VOA)		2480	220		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		20400	290		mg/kg	SW846-8015
Arsenic		11.0	1.3		mg/kg	SW846 6010C
Barium		83.1	6.4		mg/kg	SW846 6010C
Chromium		12.6	1.3		mg/kg	SW846 6010C
Lead		33.4	1.3		mg/kg	SW846 6010C
Mercury		0.19	0.037		mg/kg	SW846 7471B
Nickel		12.2	5.1		mg/kg	SW846 6010C
Sulfur		5450	64		mg/kg	SW846 6010C
Vanadium		18.8	1.3		mg/kg	SW846 6010C
Zinc		83.7	2.6		mg/kg	SW846 6010C
Cyanide		8.6	0.20		mg/kg	SW846 9012 M
Heat Content, BTU [a]		8390	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.76	0.15		%	ASTM D129-95
MC30024-9	**CLMT-SB-17**					
Benzene		228000	12000		ug/kg	SW846 8260C
Ethylbenzene		147000	49000		ug/kg	SW846 8260C
Naphthalene		15600000	250000		ug/kg	SW846 8260C
Styrene		178000	120000		ug/kg	SW846 8260C
Toluene		769000	120000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		785000	120000		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		242000	120000		ug/kg	SW846 8260C
m,p-Xylene		873000	49000		ug/kg	SW846 8260C
o-Xylene		436000	49000		ug/kg	SW846 8260C
Xylene (total)		1310000	49000		ug/kg	SW846 8260C
Acenaphthene		456000	140000		ug/kg	SW846 8270D
Acenaphthylene		2250000	140000		ug/kg	SW846 8270D
Anthracene		988000	140000		ug/kg	SW846 8270D
Benzo(a)anthracene		698000	140000		ug/kg	SW846 8270D
Benzo(a)pyrene		275000	140000		ug/kg	SW846 8270D
Benzo(b)fluoranthene		412000	140000		ug/kg	SW846 8270D
Benzo(k)fluoranthene		142000	140000		ug/kg	SW846 8270D
Chrysene		567000	140000		ug/kg	SW846 8270D
Dibenzofuran		278000	140000		ug/kg	SW846 8270D
Fluoranthene		1390000	140000		ug/kg	SW846 8270D
Fluorene		1590000	140000		ug/kg	SW846 8270D
1-Methylnaphthalene		5890000	360000		ug/kg	SW846 8270D
2-Methylnaphthalene		8140000	140000		ug/kg	SW846 8270D
Naphthalene		8140000	140000		ug/kg	SW846 8270D
Phenanthrene		4470000	140000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Pyrene		2590000	140000		ug/kg	SW846 8270D
TPH-GRO (VOA)		6140	490		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		34000	240		mg/kg	SW846-8015
Antimony		5.5	1.1		mg/kg	SW846 6010C
Arsenic		45.7	1.1		mg/kg	SW846 6010C
Barium		27.9	5.5		mg/kg	SW846 6010C
Cadmium		0.66	0.44		mg/kg	SW846 6010C
Chromium		14.4	1.1		mg/kg	SW846 6010C
Lead		73.1	1.1		mg/kg	SW846 6010C
Mercury		0.43	0.036		mg/kg	SW846 7471B
Nickel		7.7	4.4		mg/kg	SW846 6010C
Sulfur		46100	550		mg/kg	SW846 6010C
Vanadium		32.1	1.1		mg/kg	SW846 6010C
Zinc		73.0	2.2		mg/kg	SW846 6010C
Cyanide		39.6	1.6		mg/kg	SW846 9012 M
Heat Content, BTU [a]		8390	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		4.4	0.12		%	ASTM D129-95
MC30024-10	**CLMT-SB-23**					
Benzene [b]		4370	220		ug/kg	SW846 8260C
Naphthalene [b]		18000	2200		ug/kg	SW846 8260C
Styrene [b]		4170	2200		ug/kg	SW846 8260C
Toluene [b]		9060	2200		ug/kg	SW846 8260C
1,2,3-Trichlorobenzene [b]		2780	2200		ug/kg	SW846 8260C
m,p-Xylene [b]		4750	860		ug/kg	SW846 8260C
o-Xylene [b]		1240	860		ug/kg	SW846 8260C
Xylene (total) [b]		5980	860		ug/kg	SW846 8260C
Acenaphthylene		40200	26000		ug/kg	SW846 8270D
Benzo(a)anthracene		42800	26000		ug/kg	SW846 8270D
Benzo(a)pyrene		27400	26000		ug/kg	SW846 8270D
Benzo(b)fluoranthene		55300	26000		ug/kg	SW846 8270D
Chrysene		34700	26000		ug/kg	SW846 8270D
Fluoranthene		53200	26000		ug/kg	SW846 8270D
2-Methylnaphthalene		47700	26000		ug/kg	SW846 8270D
Naphthalene		56100	26000		ug/kg	SW846 8270D
Phenanthrene		29900	26000		ug/kg	SW846 8270D
Pyrene		122000	26000		ug/kg	SW846 8270D
TPH-GRO (VOA)		32.5	22		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		9660	210		mg/kg	SW846-8015
Antimony		1.9	1.0		mg/kg	SW846 6010C
Arsenic		17.9	1.0		mg/kg	SW846 6010C
Barium		104	5.2		mg/kg	SW846 6010C
Chromium		31.5	1.0		mg/kg	SW846 6010C
Lead		204	1.0		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.25	0.037		mg/kg	SW846 7471B
Nickel		16.0	4.1		mg/kg	SW846 6010C
Sulfur		7440	52		mg/kg	SW846 6010C
Vanadium		54.1	1.0		mg/kg	SW846 6010C
Zinc		68.8	2.1		mg/kg	SW846 6010C
Cyanide		17.5	0.66		mg/kg	SW846 9012 M
Heat Content, BTU [a]		5210	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.76	0.17		%	ASTM D129-95
MC30024-11	**CLMT-SB-22**					
Benzene [b]		138	61		ug/kg	SW846 8260C
Acenaphthylene		17400	12000		ug/kg	SW846 8270D
Benzo(a)anthracene		37200	12000		ug/kg	SW846 8270D
Benzo(a)pyrene		46100	12000		ug/kg	SW846 8270D
Benzo(b)fluoranthene		56500	12000		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		26900	12000		ug/kg	SW846 8270D
Benzo(k)fluoranthene		17000	12000		ug/kg	SW846 8270D
Chrysene		29400	12000		ug/kg	SW846 8270D
Fluoranthene		53000	12000		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		21100	12000		ug/kg	SW846 8270D
Phenanthrene		38600	12000		ug/kg	SW846 8270D
Pyrene		84600	12000		ug/kg	SW846 8270D
TPH-DRO (Semi-VOA)		1600	200		mg/kg	SW846-8015
Arsenic		11.2	0.96		mg/kg	SW846 6010C
Barium		48.7	4.8		mg/kg	SW846 6010C
Cadmium		0.64	0.38		mg/kg	SW846 6010C
Chromium		25.8	0.96		mg/kg	SW846 6010C
Lead		69.8	0.96		mg/kg	SW846 6010C
Mercury		0.14	0.036		mg/kg	SW846 7471B
Nickel		15.1	3.8		mg/kg	SW846 6010C
Sulfur		1880	9.6		mg/kg	SW846 6010C
Vanadium		75.2	0.96		mg/kg	SW846 6010C
Zinc		184	1.9		mg/kg	SW846 6010C
Cyanide		9.8	0.66		mg/kg	SW846 9012 M
Heat Content, BTU [a]		1530	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.22	0.15		%	ASTM D129-95
MC30024-12	**CLMT-SED-1**					
TPH-DRO (Semi-VOA)		166	27		mg/kg	SW846-8015
Arsenic		7.4	1.2		mg/kg	SW846 6010C
Barium		40.2	6.2		mg/kg	SW846 6010C
Chromium		14.6	1.2		mg/kg	SW846 6010C
Lead		11.5	1.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		12.2	4.9		mg/kg	SW846 6010C
Sulfur		749	6.2		mg/kg	SW846 6010C
Vanadium		28.0	1.2		mg/kg	SW846 6010C
Zinc		61.0	2.5		mg/kg	SW846 6010C
Heat Content, BTU [a]		621	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.16	0.14		%	ASTM D129-95
MC30024-13	**CLMT-SB-21**					
Benzene		629	57		ug/kg	SW846 8260C
Naphthalene		2500	570		ug/kg	SW846 8260C
Styrene		587	570		ug/kg	SW846 8260C
Toluene		1540	570		ug/kg	SW846 8260C
m,p-Xylene		700	230		ug/kg	SW846 8260C
Xylene (total)		904	230		ug/kg	SW846 8260C
Acenaphthylene		20500	9900		ug/kg	SW846 8270D
Benzo(a)anthracene		27100	9900		ug/kg	SW846 8270D
Benzo(a)pyrene		36000	9900		ug/kg	SW846 8270D
Benzo(b)fluoranthene		54100	9900		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		26200	9900		ug/kg	SW846 8270D
Benzo(k)fluoranthene		17700	9900		ug/kg	SW846 8270D
Chrysene		21100	9900		ug/kg	SW846 8270D
Fluoranthene		25600	9900		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		21200	9900		ug/kg	SW846 8270D
Pyrene		72900	9900		ug/kg	SW846 8270D
TPH-DRO (Semi-VOA)		2670	170		mg/kg	SW846-8015
Arsenic		13.1	0.89		mg/kg	SW846 6010C
Barium		68.2	4.4		mg/kg	SW846 6010C
Chromium		23.3	0.89		mg/kg	SW846 6010C
Lead		104	0.89		mg/kg	SW846 6010C
Mercury		0.39	0.033		mg/kg	SW846 7471B
Nickel		13.1	3.5		mg/kg	SW846 6010C
Sulfur		2430	22		mg/kg	SW846 6010C
Vanadium		48.5	0.89		mg/kg	SW846 6010C
Zinc		92.9	1.8		mg/kg	SW846 6010C
Cyanide		4.3	0.12		mg/kg	SW846 9012 M
Heat Content, BTU [a]		1440	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.19	0.13		%	ASTM D129-95
MC30024-14	**CLMT-SB-1**					
Benzene		576	89		ug/kg	SW846 8260C
Naphthalene		11300	890		ug/kg	SW846 8260C
m,p-Xylene		454	350		ug/kg	SW846 8260C
Xylene (total)		605	350		ug/kg	SW846 8260C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthene		83000	14000		ug/kg	SW846 8270D
Acenaphthylene		35500	14000		ug/kg	SW846 8270D
Anthracene		201000	14000		ug/kg	SW846 8270D
Benzo(a)anthracene		83900	14000		ug/kg	SW846 8270D
Benzo(a)pyrene		73100	14000		ug/kg	SW846 8270D
Benzo(b)fluoranthene		63200	14000		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		24000	14000		ug/kg	SW846 8270D
Benzo(k)fluoranthene		22100	14000		ug/kg	SW846 8270D
Chrysene		61800	14000		ug/kg	SW846 8270D
Fluoranthene		146000	14000		ug/kg	SW846 8270D
Fluorene		87200	14000		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		19400	14000		ug/kg	SW846 8270D
1-Methylnaphthalene		42900	35000		ug/kg	SW846 8270D
Phenanthrene		382000	14000		ug/kg	SW846 8270D
Pyrene		272000	14000		ug/kg	SW846 8270D
TPH-GRO (VOA)		30.1	18		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		7590	230		mg/kg	SW846-8015
Arsenic		6.6	1.1		mg/kg	SW846 6010C
Barium		77.3	5.5		mg/kg	SW846 6010C
Cadmium		0.55	0.44		mg/kg	SW846 6010C
Chromium		25.0	1.1		mg/kg	SW846 6010C
Lead		47.3	1.1		mg/kg	SW846 6010C
Mercury		0.14	0.036		mg/kg	SW846 7471B
Nickel		15.7	4.4		mg/kg	SW846 6010C
Sulfur		2830	28		mg/kg	SW846 6010C
Vanadium		37.9	1.1		mg/kg	SW846 6010C
Zinc		71.9	2.2		mg/kg	SW846 6010C
Cyanide		0.41	0.18		mg/kg	SW846 9012 M
Heat Content, BTU [a]		1780	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.27	0.12		%	ASTM D129-95
MC30024-15	**CLMT-SB-15**					
Ethylbenzene		18000	5400		ug/kg	SW846 8260C
Naphthalene		954000	13000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		61300	13000		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		16200	13000		ug/kg	SW846 8260C
m,p-Xylene		21100	5400		ug/kg	SW846 8260C
o-Xylene		13100	5400		ug/kg	SW846 8260C
Xylene (total)		34100	5400		ug/kg	SW846 8260C
Acenaphthene		352000	13000		ug/kg	SW846 8270D
Acenaphthylene		64300	13000		ug/kg	SW846 8270D
Anthracene		176000	13000		ug/kg	SW846 8270D
Benzo(a)anthracene		74500	13000		ug/kg	SW846 8270D
Benzo(a)pyrene		54600	13000		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(b)fluoranthene		56500	13000		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		15700	13000		ug/kg	SW846 8270D
Chrysene		62000	13000		ug/kg	SW846 8270D
Dibenzofuran		24400	13000		ug/kg	SW846 8270D
Fluoranthene		122000	13000		ug/kg	SW846 8270D
Fluorene		206000	13000		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		13700	13000		ug/kg	SW846 8270D
1-Methylnaphthalene		715000	31000		ug/kg	SW846 8270D
2-Methylnaphthalene		906000	13000		ug/kg	SW846 8270D
Naphthalene		703000	13000		ug/kg	SW846 8270D
Phenanthrene		471000	13000		ug/kg	SW846 8270D
Pyrene		249000	13000		ug/kg	SW846 8270D
TPH-GRO (VOA)		331	27		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		7390	210		mg/kg	SW846-8015
Antimony		2.9	1.0		mg/kg	SW846 6010C
Arsenic		12.8	1.0		mg/kg	SW846 6010C
Barium		35.4	5.1		mg/kg	SW846 6010C
Chromium		21.3	1.0		mg/kg	SW846 6010C
Lead		67.3	1.0		mg/kg	SW846 6010C
Mercury		0.18	0.036		mg/kg	SW846 7471B
Nickel		20.4	4.0		mg/kg	SW846 6010C
Sulfur		5370	25		mg/kg	SW846 6010C
Vanadium		30.6	1.0		mg/kg	SW846 6010C
Zinc		110	2.0		mg/kg	SW846 6010C
Cyanide		0.23	0.15		mg/kg	SW846 9012 M
Heat Content, BTU [a]		3980	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.84	0.17		%	ASTM D129-95
MC30024-16	**CLMT-SB-13**					
Benzene		1080	170		ug/kg	SW846 8260C
Naphthalene		9260	1700		ug/kg	SW846 8260C
m,p-Xylene		1660	670		ug/kg	SW846 8260C
Xylene (total)		2150	670		ug/kg	SW846 8260C
Acenaphthene		1940	1300		ug/kg	SW846 8270D
Acenaphthylene		7580	1300		ug/kg	SW846 8270D
Anthracene		5090	1300		ug/kg	SW846 8270D
Benzo(a)anthracene		7310	1300		ug/kg	SW846 8270D
Benzo(a)pyrene		5420	1300		ug/kg	SW846 8270D
Benzo(b)fluoranthene		7220	1300		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		3600	1300		ug/kg	SW846 8270D
Benzo(k)fluoranthene		2600	1300		ug/kg	SW846 8270D
Chrysene		5170	1300		ug/kg	SW846 8270D
Fluoranthene		9870	1300		ug/kg	SW846 8270D
Fluorene		3290	1300		ug/kg	SW846 8270D

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene	3080	1300		ug/kg	SW846 8270D
1-Methylnaphthalene	10100	3200		ug/kg	SW846 8270D
2-Methylnaphthalene	9500	1300		ug/kg	SW846 8270D
Naphthalene	15500	1300		ug/kg	SW846 8270D
Phenanthrene	13800	1300		ug/kg	SW846 8270D
Pyrene	13500	1300		ug/kg	SW846 8270D
TPH-GRO (VOA)	18.1	17		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)	2090	210		mg/kg	SW846-8015
Arsenic	11.5	1.0		mg/kg	SW846 6010C
Barium	88.7	5.1		mg/kg	SW846 6010C
Beryllium	0.52	0.41		mg/kg	SW846 6010C
Chromium	20.5	1.0		mg/kg	SW846 6010C
Lead	144	1.0		mg/kg	SW846 6010C
Mercury	0.39	0.033		mg/kg	SW846 7471B
Nickel	39.1	4.1		mg/kg	SW846 6010C
Sulfur	6410	51		mg/kg	SW846 6010C
Vanadium	28.8	1.0		mg/kg	SW846 6010C
Zinc	159	2.0		mg/kg	SW846 6010C
Cyanide	6.0	0.15		mg/kg	SW846 9012 M
Heat Content, BTU [a]	4390	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]	0.91	0.16		%	ASTM D129-95
MC30024-17 CLMT-SB-16					
Naphthalene [c]	131000	7500		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene [c]	10200	7500		ug/kg	SW846 8260C
Xylene (total) [c]	4240	3000		ug/kg	SW846 8260C
Acenaphthene	97600	12000		ug/kg	SW846 8270D
Acenaphthylene	14100	12000		ug/kg	SW846 8270D
Anthracene	46200	12000		ug/kg	SW846 8270D
Benzo(a)anthracene	26300	12000		ug/kg	SW846 8270D
Benzo(a)pyrene	17400	12000		ug/kg	SW846 8270D
Benzo(b)fluoranthene	16600	12000		ug/kg	SW846 8270D
Chrysene	21900	12000		ug/kg	SW846 8270D
Fluoranthene	45200	12000		ug/kg	SW846 8270D
Fluorene	54600	12000		ug/kg	SW846 8270D
1-Methylnaphthalene	125000	30000		ug/kg	SW846 8270D
2-Methylnaphthalene	70400	12000		ug/kg	SW846 8270D
Naphthalene	25000	12000		ug/kg	SW846 8270D
Phenanthrene	154000	12000		ug/kg	SW846 8270D
Pyrene	92900	12000		ug/kg	SW846 8270D
TPH-GRO (VOA)	56.6	15		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)	3380	200		mg/kg	SW846-8015
Arsenic	7.8	0.99		mg/kg	SW846 6010C
Barium	36.2	4.9		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Chromium	17.3	0.99		mg/kg	SW846 6010C
Lead	88.1	0.99		mg/kg	SW846 6010C
Mercury	0.20	0.035		mg/kg	SW846 7471B
Nickel	14.8	3.9		mg/kg	SW846 6010C
Sulfur	4150	25		mg/kg	SW846 6010C
Vanadium	26.8	0.99		mg/kg	SW846 6010C
Zinc	213	2.0		mg/kg	SW846 6010C
Cyanide	1.1	0.15		mg/kg	SW846 9012 M
Heat Content, BTU [a]	830	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]	0.73	0.10		%	ASTM D129-95
MC30024-18 CLMT-SB-18					
Naphthalene [c]	174000	9400		ug/kg	SW846 8260C
Xylene (total) [c]	4880	3800		ug/kg	SW846 8260C
Acenaphthene	54000	790		ug/kg	SW846 8270D
Anthracene	29600	790		ug/kg	SW846 8270D
Benzo(a)anthracene	18100	790		ug/kg	SW846 8270D
Benzo(a)pyrene	13000	790		ug/kg	SW846 8270D
Benzo(b)fluoranthene	9760	790		ug/kg	SW846 8270D
Benzo(g,h,i)perylene	4680	790		ug/kg	SW846 8270D
Benzo(k)fluoranthene	3070	790		ug/kg	SW846 8270D
Chrysene	16400	790		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	1590	790		ug/kg	SW846 8270D
Fluoranthene	32200	790		ug/kg	SW846 8270D
Fluorene	36600	790		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	3820	790		ug/kg	SW846 8270D
1-Methylnaphthalene	80700	9900		ug/kg	SW846 8270D
2-Methylnaphthalene	78000	4000		ug/kg	SW846 8270D
Naphthalene	57100	790		ug/kg	SW846 8270D
Phenanthrene	108000	4000		ug/kg	SW846 8270D
Pyrene	49900	790		ug/kg	SW846 8270D
TPH-GRO (VOA)	65.3	19		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)	7530	260		mg/kg	SW846-8015
Arsenic	4.9	1.2		mg/kg	SW846 6010C
Barium	46.2	5.9		mg/kg	SW846 6010C
Chromium	17.5	1.2		mg/kg	SW846 6010C
Lead	54.8	1.2		mg/kg	SW846 6010C
Mercury	0.32	0.042		mg/kg	SW846 7471B
Nickel	13.7	4.7		mg/kg	SW846 6010C
Sulfur	2390	29		mg/kg	SW846 6010C
Vanadium	27.8	1.2		mg/kg	SW846 6010C
Zinc	98.3	2.3		mg/kg	SW846 6010C
Cyanide	0.32	0.19		mg/kg	SW846 9012 M
Heat Content, BTU [a]	4210	100		BTU/lb	ASTM D240-92

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Percent Sulfur [a]		0.30	0.14		%	ASTM D129-95
MC30024-19	**CLMT-SB-19**					
Ethylbenzene		64100	7400		ug/kg	SW846 8260C
Naphthalene		2410000	92000		ug/kg	SW846 8260C
1,2,4-Trimethylbenzene		109000	18000		ug/kg	SW846 8260C
1,3,5-Trimethylbenzene		36500	18000		ug/kg	SW846 8260C
m,p-Xylene		72700	7400		ug/kg	SW846 8260C
o-Xylene		39500	7400		ug/kg	SW846 8260C
Xylene (total)		112000	7400		ug/kg	SW846 8260C
Acenaphthene		241000	6800		ug/kg	SW846 8270D
Acenaphthylene		36600	680		ug/kg	SW846 8270D
Anthracene		134000	6800		ug/kg	SW846 8270D
Benzo(a)anthracene		89300	6800		ug/kg	SW846 8270D
Benzo(a)pyrene		64500	6800		ug/kg	SW846 8270D
Benzo(b)fluoranthene		50900	680		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		20800	680		ug/kg	SW846 8270D
Benzo(k)fluoranthene		10800	680		ug/kg	SW846 8270D
Carbazole		6400	680		ug/kg	SW846 8270D
Chrysene		68800	6800		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		6700	680		ug/kg	SW846 8270D
Dibenzofuran		20700	680		ug/kg	SW846 8270D
Fluoranthene		149000	6800		ug/kg	SW846 8270D
Fluorene		151000	6800		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		16100	680		ug/kg	SW846 8270D
1-Methylnaphthalene		318000	17000		ug/kg	SW846 8270D
2-Methylnaphthalene		386000	6800		ug/kg	SW846 8270D
Naphthalene		521000	6800		ug/kg	SW846 8270D
Phenanthrene		401000	6800		ug/kg	SW846 8270D
Pyrene		277000	6800		ug/kg	SW846 8270D
TPH-GRO (VOA)		1500	180		mg/kg	SW846 8015
TPH-DRO (Semi-VOA)		20900	230		mg/kg	SW846-8015
Arsenic		6.6	1.1		mg/kg	SW846 6010C
Barium		44.1	5.3		mg/kg	SW846 6010C
Chromium		17.6	1.1		mg/kg	SW846 6010C
Lead		34.7	1.1		mg/kg	SW846 6010C
Mercury		0.086	0.039		mg/kg	SW846 7471B
Nickel		9.5	4.3		mg/kg	SW846 6010C
Sulfur		3220	27		mg/kg	SW846 6010C
Vanadium		56.0	1.1		mg/kg	SW846 6010C
Zinc		86.3	2.1		mg/kg	SW846 6010C
Heat Content, BTU [a]		1690	100		BTU/lb	ASTM D240-92
Percent Sulfur [a]		0.43	0.090		%	ASTM D129-95

Summary of Hits

Job Number: MC30024
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-20	**CLMT-SB-20**					
Acenaphthene		736	520		ug/kg	SW846 8270D
Acenaphthylene		1840	520		ug/kg	SW846 8270D
Anthracene		2200	520		ug/kg	SW846 8270D
Benzo(a)anthracene		7470	520		ug/kg	SW846 8270D
Benzo(a)pyrene		6760	520		ug/kg	SW846 8270D
Benzo(b)fluoranthene		8650	520		ug/kg	SW846 8270D
Benzo(g,h,i)perylene		5380	520		ug/kg	SW846 8270D
Benzo(k)fluoranthene		2860	520		ug/kg	SW846 8270D
Carbazole		763	520		ug/kg	SW846 8270D
Chrysene		7180	520		ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		1150	520		ug/kg	SW846 8270D
Dibenzofuran		527	520		ug/kg	SW846 8270D
Fluoranthene		13500	520		ug/kg	SW846 8270D
Fluorene		874	520		ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4300	520		ug/kg	SW846 8270D
Naphthalene		602	520		ug/kg	SW846 8270D
Phenanthrene		8160	520		ug/kg	SW846 8270D
Pyrene		15200	520		ug/kg	SW846 8270D
TPH-DRO (Semi-VOA)		740	18		mg/kg	SW846-8015
Arsenic		4.9	0.92		mg/kg	SW846 6010C
Barium		26.4	4.6		mg/kg	SW846 6010C
Chromium		13.9	0.92		mg/kg	SW846 6010C
Lead		37.0	0.92		mg/kg	SW846 6010C
Mercury		0.064	0.034		mg/kg	SW846 7471B
Nickel		12.3	3.7		mg/kg	SW846 6010C
Sulfur		355	4.6		mg/kg	SW846 6010C
Vanadium		23.1	0.92		mg/kg	SW846 6010C
Zinc		45.0	1.8		mg/kg	SW846 6010C
Cyanide		1.8	0.12		mg/kg	SW846 9012 M
Heat Content, BTU [a]		237	100		BTU/lb	ASTM D240-92

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.
(b) Elevated RL due to sample matrix.
(c) Dilution required due to high concentration of non-target compound.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: CLMT-SB-24/9
Lab Sample ID: MC30024-1
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 60.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137050.D	1	04/29/14	JM	n/a	n/a	MSG5248
Run #2	G137101.D	1	04/30/14	JM	n/a	n/a	MSG5249

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.58 g	10.0 ml	25.0 ul
Run #2	6.58 g	10.0 ml	2.5 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	6300	ug/kg	
71-43-2	Benzene	533	310	ug/kg	
108-86-1	Bromobenzene	ND	3100	ug/kg	
74-97-5	Bromochloromethane	ND	3100	ug/kg	
75-27-4	Bromodichloromethane	ND	1300	ug/kg	
75-25-2	Bromoform	ND	1300	ug/kg	
74-83-9	Bromomethane	ND	1300	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6300	ug/kg	
104-51-8	n-Butylbenzene	ND	3100	ug/kg	
135-98-8	sec-Butylbenzene	ND	3100	ug/kg	
98-06-6	tert-Butylbenzene	ND	3100	ug/kg	
75-15-0	Carbon disulfide	ND	3100	ug/kg	
56-23-5	Carbon tetrachloride	ND	1300	ug/kg	
108-90-7	Chlorobenzene	ND	1300	ug/kg	
75-00-3	Chloroethane	ND	3100	ug/kg	
67-66-3	Chloroform	ND	1300	ug/kg	
74-87-3	Chloromethane	ND	3100	ug/kg	
95-49-8	o-Chlorotoluene	ND	3100	ug/kg	
106-43-4	p-Chlorotoluene	ND	3100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3100	ug/kg	
124-48-1	Dibromochloromethane	ND	1300	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1300	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1300	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1300	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1300	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1300	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1300	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1300	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1300	ug/kg	

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	3100	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1300	ug/kg	
100-41-4	Ethylbenzene	3620	1300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3100	ug/kg	
591-78-6	2-Hexanone	ND	6300	ug/kg	
74-88-4	Iodomethane	ND	3100	ug/kg	
98-82-8	Isopropylbenzene	ND	3100	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1300	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3100	ug/kg	
74-95-3	Methylene bromide	ND	3100	ug/kg	
75-09-2	Methylene chloride	ND	1300	ug/kg	
91-20-3	Naphthalene	419000 [a]	31000	ug/kg	
103-65-1	n-Propylbenzene	ND	3100	ug/kg	
100-42-5	Styrene	ND	3100	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3100	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1300	ug/kg	
127-18-4	Tetrachloroethene	ND	1300	ug/kg	
108-88-3	Toluene	ND	3100	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1300	ug/kg	
79-01-6	Trichloroethene	ND	1300	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1300	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3100	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	8630	3100	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3100	ug/kg	
108-05-4	Vinyl Acetate	ND	3100	ug/kg	
75-01-4	Vinyl chloride	ND	1300	ug/kg	
	m,p-Xylene	3530	1300	ug/kg	
95-47-6	o-Xylene	1930	1300	ug/kg	
1330-20-7	Xylene (total)	5460	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	120%	93%	70-130%

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	114%	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	106%	70-130%

(a) Result is from Run# 2

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72905.D	5	05/05/14	WK	04/30/14	OP37872	MSF3238
Run #2	X01740.D	50	05/07/14	WK	04/30/14	OP37872	MSX65

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2	20.5 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	4000	ug/kg	
95-57-8	2-Chlorophenol	ND	2000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	4000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	4000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	4000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	8000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4000	ug/kg	
95-48-7	2-Methylphenol	ND	4000	ug/kg	
	3&4-Methylphenol	ND	4000	ug/kg	
88-75-5	2-Nitrophenol	ND	4000	ug/kg	
100-02-7	4-Nitrophenol	ND	8000	ug/kg	
87-86-5	Pentachlorophenol	ND	4000	ug/kg	
108-95-2	Phenol	ND	2000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	4000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	4000	ug/kg	
83-32-9	Acenaphthene	271000 [a]	8000	ug/kg	
208-96-8	Acenaphthylene	37300	800	ug/kg	
62-53-3	Aniline	ND	4000	ug/kg	
120-12-7	Anthracene	132000 [a]	8000	ug/kg	
92-87-5	Benzidine	ND	8000	ug/kg	
56-55-3	Benzo(a)anthracene	90300 [a]	8000	ug/kg	
50-32-8	Benzo(a)pyrene	61400	800	ug/kg	
205-99-2	Benzo(b)fluoranthene	43900	800	ug/kg	
191-24-2	Benzo(g,h,i)perylene	23000	800	ug/kg	
207-08-9	Benzo(k)fluoranthene	17600	800	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2000	ug/kg	
100-51-6	Benzyl Alcohol	ND	4000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2000	ug/kg	
106-47-8	4-Chloroaniline	ND	4000	ug/kg	
86-74-8	Carbazole	ND	800	ug/kg	
218-01-9	Chrysene	61300	800	ug/kg	

ND = Not detected
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: CLMT-SB-24/9
Lab Sample ID: MC30024-1
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 60.9

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	2000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	4000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	4000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	6820	800	ug/kg	
132-64-9	Dibenzofuran	ND	800	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2000	ug/kg	
84-66-2	Diethyl phthalate	ND	2000	ug/kg	
131-11-3	Dimethyl phthalate	ND	2000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2000	ug/kg	
206-44-0	Fluoranthene	60900	800	ug/kg	
86-73-7	Fluorene	161000 [a]	8000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4000	ug/kg	
67-72-1	Hexachloroethane	ND	2000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	18400	800	ug/kg	
78-59-1	Isophorone	ND	2000	ug/kg	
90-12-0	1-Methylnaphthalene	254000 [a]	20000	ug/kg	
91-57-6	2-Methylnaphthalene	281000 [a]	8000	ug/kg	
88-74-4	2-Nitroaniline	ND	4000	ug/kg	
99-09-2	3-Nitroaniline	ND	4000	ug/kg	
100-01-6	4-Nitroaniline	ND	4000	ug/kg	
91-20-3	Naphthalene	365000 [a]	8000	ug/kg	
98-95-3	Nitrobenzene	ND	2000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	2000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2000	ug/kg	
85-01-8	Phenanthrene	441000 [a]	8000	ug/kg	
129-00-0	Pyrene	282000 [a]	8000	ug/kg	
110-86-1	Pyridine	ND	4000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2000	ug/kg	

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%	57%	30-130%
4165-62-2	Phenol-d5	53%	56%	30-130%
118-79-6	2,4,6-Tribromophenol	66%	53%	30-130%
4165-60-0	Nitrobenzene-d5	61%	69%	30-130%
321-60-8	2-Fluorobiphenyl	62%	78%	30-130%
1718-51-0	Terphenyl-d14	66%	100%	30-130%

(a) Result is from Run# 2

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83349.D	1	04/27/14	AF	n/a	n/a	GAB4414
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.97 g	10.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	167	85	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	99%		61-116%

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89660.D	1	05/05/14	SZ	04/30/14	OP37874	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	55	ug/kg	
11104-28-2	Aroclor 1221	ND	55	ug/kg	
11141-16-5	Aroclor 1232	ND	55	ug/kg	
53469-21-9	Aroclor 1242	ND	55	ug/kg	
12672-29-6	Aroclor 1248	ND	55	ug/kg	
11097-69-1	Aroclor 1254	ND	55	ug/kg	
11096-82-5	Aroclor 1260	ND	55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	141%		30-150%
877-09-8	Tetrachloro-m-xylene	111%		30-150%
2051-24-3	Decachlorobiphenyl	120%		30-150%
2051-24-3	Decachlorobiphenyl	127%		30-150%

ND = Not detected
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: CLMT-SB-24/9
Lab Sample ID: MC30024-1
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 60.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660828.D	10	05/06/14	KN	04/30/14	OP37873	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	8740	270	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		40-140%

ND = Not detected
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	60.9
Project:	Former MGP Site, Claremont, NH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	7.9	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	71.8	6.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.49	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.64	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	31.1	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	274	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	1.1	0.039	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	19.1	4.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.61	0.61	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	4850	61	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	55.6	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	215	2.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	60.9
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.24	0.19	mg/kg	1	04/26/14 13:31	MA	SW846 9012 M
Heat Content, BTU [a]	889	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.34	0.14	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	60.9		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137049.D	1	04/29/14	JM	n/a	n/a	MSG5248
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.30 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1000	ug/kg	
71-43-2	Benzene	207	51	ug/kg	
108-86-1	Bromobenzene	ND	510	ug/kg	
74-97-5	Bromochloromethane	ND	510	ug/kg	
75-27-4	Bromodichloromethane	ND	200	ug/kg	
75-25-2	Bromoform	ND	200	ug/kg	
74-83-9	Bromomethane	ND	200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1000	ug/kg	
104-51-8	n-Butylbenzene	ND	510	ug/kg	
135-98-8	sec-Butylbenzene	ND	510	ug/kg	
98-06-6	tert-Butylbenzene	ND	510	ug/kg	
75-15-0	Carbon disulfide	ND	510	ug/kg	
56-23-5	Carbon tetrachloride	ND	200	ug/kg	
108-90-7	Chlorobenzene	ND	200	ug/kg	
75-00-3	Chloroethane	ND	510	ug/kg	
67-66-3	Chloroform	ND	200	ug/kg	
74-87-3	Chloromethane	ND	510	ug/kg	
95-49-8	o-Chlorotoluene	ND	510	ug/kg	
106-43-4	p-Chlorotoluene	ND	510	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	510	ug/kg	
124-48-1	Dibromochloromethane	ND	200	ug/kg	
106-93-4	1,2-Dibromoethane	ND	200	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	200	ug/kg	
75-34-3	1,1-Dichloroethane	ND	200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	200	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	200	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	200	ug/kg	
78-87-5	1,2-Dichloropropane	ND	200	ug/kg	

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	510	ug/kg	
594-20-7	2,2-Dichloropropane	ND	510	ug/kg	
563-58-6	1,1-Dichloropropene	ND	510	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	200	ug/kg	
100-41-4	Ethylbenzene	220	200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	510	ug/kg	
591-78-6	2-Hexanone	ND	1000	ug/kg	
74-88-4	Iodomethane	ND	510	ug/kg	
98-82-8	Isopropylbenzene	ND	510	ug/kg	
99-87-6	p-Isopropyltoluene	ND	510	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	200	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	510	ug/kg	
74-95-3	Methylene bromide	ND	510	ug/kg	
75-09-2	Methylene chloride	ND	200	ug/kg	
91-20-3	Naphthalene	ND	510	ug/kg	
103-65-1	n-Propylbenzene	ND	510	ug/kg	
100-42-5	Styrene	ND	510	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	510	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	ug/kg	
127-18-4	Tetrachloroethene	ND	200	ug/kg	
108-88-3	Toluene	798	510	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	510	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	510	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	200	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	200	ug/kg	
79-01-6	Trichloroethene	ND	200	ug/kg	
75-69-4	Trichlorofluoromethane	ND	200	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	510	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	510	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	510	ug/kg	
108-05-4	Vinyl Acetate	ND	510	ug/kg	
75-01-4	Vinyl chloride	ND	200	ug/kg	
	m,p-Xylene	650	200	ug/kg	
95-47-6	o-Xylene	ND	200	ug/kg	
1330-20-7	Xylene (total)	793	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%

ND = Not detected
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:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	113%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01712.D	10	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	5600	ug/kg	
95-57-8	2-Chlorophenol	ND	2800	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5600	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5600	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	5600	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	11000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5600	ug/kg	
95-48-7	2-Methylphenol	ND	5600	ug/kg	
	3&4-Methylphenol	ND	5600	ug/kg	
88-75-5	2-Nitrophenol	ND	5600	ug/kg	
100-02-7	4-Nitrophenol	ND	11000	ug/kg	
87-86-5	Pentachlorophenol	ND	5600	ug/kg	
108-95-2	Phenol	ND	2800	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5600	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5600	ug/kg	
83-32-9	Acenaphthene	ND	1100	ug/kg	
208-96-8	Acenaphthylene	1340	1100	ug/kg	
62-53-3	Aniline	ND	5600	ug/kg	
120-12-7	Anthracene	2600	1100	ug/kg	
92-87-5	Benzidine	ND	11000	ug/kg	
56-55-3	Benzo(a)anthracene	3020	1100	ug/kg	
50-32-8	Benzo(a)pyrene	2310	1100	ug/kg	
205-99-2	Benzo(b)fluoranthene	2160	1100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1100	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	1100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2800	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2800	ug/kg	
100-51-6	Benzyl Alcohol	ND	5600	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2800	ug/kg	
106-47-8	4-Chloroaniline	ND	5600	ug/kg	
86-74-8	Carbazole	ND	1100	ug/kg	
218-01-9	Chrysene	2340	1100	ug/kg	

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2800	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2800	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2800	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2800	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2800	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	2800	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2800	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2800	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	5600	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	5600	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2800	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1100	ug/kg	
132-64-9	Dibenzofuran	ND	1100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2800	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2800	ug/kg	
84-66-2	Diethyl phthalate	ND	2800	ug/kg	
131-11-3	Dimethyl phthalate	ND	2800	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2800	ug/kg	
206-44-0	Fluoranthene	4620	1100	ug/kg	
86-73-7	Fluorene	ND	1100	ug/kg	
118-74-1	Hexachlorobenzene	ND	2800	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2800	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5600	ug/kg	
67-72-1	Hexachloroethane	ND	2800	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1100	ug/kg	
78-59-1	Isophorone	ND	2800	ug/kg	
90-12-0	1-Methylnaphthalene	ND	2800	ug/kg	
91-57-6	2-Methylnaphthalene	ND	1100	ug/kg	
88-74-4	2-Nitroaniline	ND	5600	ug/kg	
99-09-2	3-Nitroaniline	ND	5600	ug/kg	
100-01-6	4-Nitroaniline	ND	5600	ug/kg	
91-20-3	Naphthalene	ND	1100	ug/kg	
98-95-3	Nitrobenzene	ND	2800	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	2800	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2800	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2800	ug/kg	
85-01-8	Phenanthrene	4190	1100	ug/kg	
129-00-0	Pyrene	8830	1100	ug/kg	
110-86-1	Pyridine	ND	5600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2800	ug/kg	

ND = Not detected
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:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-130%
4165-62-2	Phenol-d5	56%		30-130%
118-79-6	2,4,6-Tribromophenol	49%		30-130%
4165-60-0	Nitrobenzene-d5	50%		30-130%
321-60-8	2-Fluorobiphenyl	78%		30-130%
1718-51-0	Terphenyl-d14	115%		30-130%

ND = Not detected
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:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83310.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.00 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	45.7	11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	101%		61-116%

ND = Not detected
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:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89693.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
11097-69-1	Aroclor 1254	ND	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		30-150%
877-09-8	Tetrachloro-m-xylene	52%		30-150%
2051-24-3	Decachlorobiphenyl	134%		30-150%
2051-24-3	Decachlorobiphenyl	125%		30-150%

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660808.D	1	05/05/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	1110	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		40-140%

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.93	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	8.8	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	30.3	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.49	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	3.2	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	12.7	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	59.7	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.039	0.037	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	21.6	3.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium [a]	< 1.9	1.9	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 1.4	1.4	mg/kg	3	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Sulfur	956	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.93	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	21.4	0.93	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	386	1.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-5		
Lab Sample ID:	MC30024-2	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	85.6
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.28	0.13	mg/kg	1	04/26/14 13:32	MA	SW846 9012 M
Heat Content, BTU [a]	186	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.23	0.10	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	85.6		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-7
Lab Sample ID: MC30024-3
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137052.D	1	04/29/14	JM	n/a	n/a	MSG5248
Run #2	G137103.D	1	04/30/14	JM	n/a	n/a	MSG5249

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.50 g	10.0 ml	2.5 ul
Run #2	6.50 g	10.0 ml	0.50 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	38000	ug/kg	
71-43-2	Benzene	4080	1900	ug/kg	
108-86-1	Bromobenzene	ND	19000	ug/kg	
74-97-5	Bromochloromethane	ND	19000	ug/kg	
75-27-4	Bromodichloromethane	ND	7600	ug/kg	
75-25-2	Bromoform	ND	7600	ug/kg	
74-83-9	Bromomethane	ND	7600	ug/kg	
78-93-3	2-Butanone (MEK)	ND	38000	ug/kg	
104-51-8	n-Butylbenzene	ND	19000	ug/kg	
135-98-8	sec-Butylbenzene	ND	19000	ug/kg	
98-06-6	tert-Butylbenzene	ND	19000	ug/kg	
75-15-0	Carbon disulfide	ND	19000	ug/kg	
56-23-5	Carbon tetrachloride	ND	7600	ug/kg	
108-90-7	Chlorobenzene	ND	7600	ug/kg	
75-00-3	Chloroethane	ND	19000	ug/kg	
67-66-3	Chloroform	ND	7600	ug/kg	
74-87-3	Chloromethane	ND	19000	ug/kg	
95-49-8	o-Chlorotoluene	ND	19000	ug/kg	
106-43-4	p-Chlorotoluene	ND	19000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	19000	ug/kg	
124-48-1	Dibromochloromethane	ND	7600	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7600	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7600	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7600	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7600	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7600	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7600	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7600	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7600	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7600	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7600	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7600	ug/kg	

ND = Not detected
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: CLMT-SB-7
Lab Sample ID: MC30024-3
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	19000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	19000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	19000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7600	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7600	ug/kg	
100-41-4	Ethylbenzene	135000	7600	ug/kg	
87-68-3	Hexachlorobutadiene	ND	19000	ug/kg	
591-78-6	2-Hexanone	ND	38000	ug/kg	
74-88-4	Iodomethane	ND	19000	ug/kg	
98-82-8	Isopropylbenzene	ND	19000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	19000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7600	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	19000	ug/kg	
74-95-3	Methylene bromide	ND	19000	ug/kg	
75-09-2	Methylene chloride	ND	7600	ug/kg	
91-20-3	Naphthalene	1590000 [a]	95000	ug/kg	
103-65-1	n-Propylbenzene	ND	19000	ug/kg	
100-42-5	Styrene	ND	19000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	19000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7600	ug/kg	
127-18-4	Tetrachloroethene	ND	7600	ug/kg	
108-88-3	Toluene	44500	19000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	19000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	19000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7600	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7600	ug/kg	
79-01-6	Trichloroethene	ND	7600	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7600	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	19000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	134000	19000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	39000	19000	ug/kg	
108-05-4	Vinyl Acetate	ND	19000	ug/kg	
75-01-4	Vinyl chloride	ND	7600	ug/kg	
	m,p-Xylene	142000	7600	ug/kg	
95-47-6	o-Xylene	60100	7600	ug/kg	
1330-20-7	Xylene (total)	202000	7600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	122%	94%	70-130%

ND = Not detected
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	115%	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	105%	70-130%

(a) Result is from Run# 2

ND = Not detected
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72916.D	10	05/05/14	WK	04/30/14	OP37884	MSF3238
Run #2	X01713.D	100	05/06/14	WK	04/30/14	OP37884	MSX64

	Initial Weight	Final Volume
Run #1	20.6 g	1.0 ml
Run #2	20.6 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	5500	ug/kg	
95-57-8	2-Chlorophenol	ND	2800	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5500	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5500	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	5500	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	11000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5500	ug/kg	
95-48-7	2-Methylphenol	ND	5500	ug/kg	
	3&4-Methylphenol	ND	5500	ug/kg	
88-75-5	2-Nitrophenol	ND	5500	ug/kg	
100-02-7	4-Nitrophenol	ND	11000	ug/kg	
87-86-5	Pentachlorophenol	ND	5500	ug/kg	
108-95-2	Phenol	ND	2800	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5500	ug/kg	
83-32-9	Acenaphthene	52800	1100	ug/kg	
208-96-8	Acenaphthylene	123000 [a]	11000	ug/kg	
62-53-3	Aniline	ND	5500	ug/kg	
120-12-7	Anthracene	59700	1100	ug/kg	
92-87-5	Benzidine	ND	11000	ug/kg	
56-55-3	Benzo(a)anthracene	33400	1100	ug/kg	
50-32-8	Benzo(a)pyrene	23000	1100	ug/kg	
205-99-2	Benzo(b)fluoranthene	16900	1100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	7160	1100	ug/kg	
207-08-9	Benzo(k)fluoranthene	4780	1100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2800	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2800	ug/kg	
100-51-6	Benzyl Alcohol	ND	5500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2800	ug/kg	
106-47-8	4-Chloroaniline	ND	5500	ug/kg	
86-74-8	Carbazole	1220	1100	ug/kg	
218-01-9	Chrysene	26400	1100	ug/kg	

ND = Not detected
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: CLMT-SB-7
Lab Sample ID: MC30024-3
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2800	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2800	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2800	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2800	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2800	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	2800	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2800	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2800	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	5500	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	5500	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2800	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	2480	1100	ug/kg	
132-64-9	Dibenzofuran	12600	1100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2800	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2800	ug/kg	
84-66-2	Diethyl phthalate	ND	2800	ug/kg	
131-11-3	Dimethyl phthalate	ND	2800	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2800	ug/kg	
206-44-0	Fluoranthene	55400	1100	ug/kg	
86-73-7	Fluorene	74300	1100	ug/kg	
118-74-1	Hexachlorobenzene	ND	2800	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2800	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5500	ug/kg	
67-72-1	Hexachloroethane	ND	2800	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5930	1100	ug/kg	
78-59-1	Isophorone	ND	2800	ug/kg	
90-12-0	1-Methylnaphthalene	366000 [a]	28000	ug/kg	
91-57-6	2-Methylnaphthalene	569000 [a]	11000	ug/kg	
88-74-4	2-Nitroaniline	ND	5500	ug/kg	
99-09-2	3-Nitroaniline	ND	5500	ug/kg	
100-01-6	4-Nitroaniline	ND	5500	ug/kg	
91-20-3	Naphthalene	862000 [a]	11000	ug/kg	
98-95-3	Nitrobenzene	ND	2800	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	2800	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2800	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2800	ug/kg	
85-01-8	Phenanthrene	210000 [a]	11000	ug/kg	
129-00-0	Pyrene	80500	1100	ug/kg	
110-86-1	Pyridine	ND	5500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2800	ug/kg	

ND = Not detected
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%	47%	30-130%
4165-62-2	Phenol-d5	53%	47%	30-130%
118-79-6	2,4,6-Tribromophenol	38%	9% [b]	30-130%
4165-60-0	Nitrobenzene-d5	65%	52%	30-130%
321-60-8	2-Fluorobiphenyl	67%	74%	30-130%
1718-51-0	Terphenyl-d14	73%	94%	30-130%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83315.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.76 g	10.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	1710	81	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	95%		61-116%

ND = Not detected
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89698.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	36	ug/kg	
11104-28-2	Aroclor 1221	ND	36	ug/kg	
11141-16-5	Aroclor 1232	ND	36	ug/kg	
53469-21-9	Aroclor 1242	ND	36	ug/kg	
12672-29-6	Aroclor 1248	ND	36	ug/kg	
11097-69-1	Aroclor 1254	ND	36	ug/kg	
11096-82-5	Aroclor 1260	ND	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	140%		30-150%
877-09-8	Tetrachloro-m-xylene	75%		30-150%
2051-24-3	Decachlorobiphenyl	169% [a]		30-150%
2051-24-3	Decachlorobiphenyl	148%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-7
Lab Sample ID: MC30024-3
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660830.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	7950	180	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		40-140%

ND = Not detected
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: CLMT-SB-7
Lab Sample ID: MC30024-3
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.91	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Arsenic	21.0	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	28.8	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Beryllium	< 0.37	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.37	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	12.5	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	37.5	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.16	0.036	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [4]
Nickel	20.2	3.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 0.91	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.46	0.46	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Sulfur	601	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 0.91	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Vanadium	16.4	0.91	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Zinc	60.0	1.8	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Prep QC Batch: MP22972
(4) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-7		
Lab Sample ID:	MC30024-3	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	87.5
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.3	0.13	mg/kg	1	04/26/14 13:33	MA	SW846 9012 M
Heat Content, BTU [a]	1620	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.24	0.10	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	87.5		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137051.D	1	04/29/14	JM	n/a	n/a	MSG5248
Run #2	G137102.D	1	04/30/14	JM	n/a	n/a	MSG5249

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	10.0 ml	25.0 ul
Run #2	5.81 g	10.0 ml	2.5 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	6200	ug/kg	
71-43-2	Benzene	7270	310	ug/kg	
108-86-1	Bromobenzene	ND	3100	ug/kg	
74-97-5	Bromochloromethane	ND	3100	ug/kg	
75-27-4	Bromodichloromethane	ND	1200	ug/kg	
75-25-2	Bromoform	ND	1200	ug/kg	
74-83-9	Bromomethane	ND	1200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6200	ug/kg	
104-51-8	n-Butylbenzene	4350	3100	ug/kg	
135-98-8	sec-Butylbenzene	ND	3100	ug/kg	
98-06-6	tert-Butylbenzene	ND	3100	ug/kg	
75-15-0	Carbon disulfide	ND	3100	ug/kg	
56-23-5	Carbon tetrachloride	ND	1200	ug/kg	
108-90-7	Chlorobenzene	ND	1200	ug/kg	
75-00-3	Chloroethane	ND	3100	ug/kg	
67-66-3	Chloroform	ND	1200	ug/kg	
74-87-3	Chloromethane	ND	3100	ug/kg	
95-49-8	o-Chlorotoluene	ND	3100	ug/kg	
106-43-4	p-Chlorotoluene	ND	3100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3100	ug/kg	
124-48-1	Dibromochloromethane	ND	1200	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1200	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1200	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1200	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1200	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1200	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1200	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1200	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1200	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1200	ug/kg	

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	3100	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1200	ug/kg	
100-41-4	Ethylbenzene	31100	1200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3100	ug/kg	
591-78-6	2-Hexanone	ND	6200	ug/kg	
74-88-4	Iodomethane	ND	3100	ug/kg	
98-82-8	Isopropylbenzene	4000	3100	ug/kg	
99-87-6	p-Isopropyltoluene	3140	3100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1200	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3100	ug/kg	
74-95-3	Methylene bromide	ND	3100	ug/kg	
75-09-2	Methylene chloride	ND	1200	ug/kg	
91-20-3	Naphthalene	322000 [a]	31000	ug/kg	
103-65-1	n-Propylbenzene	ND	3100	ug/kg	
100-42-5	Styrene	ND	3100	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3100	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200	ug/kg	
127-18-4	Tetrachloroethene	ND	1200	ug/kg	
108-88-3	Toluene	5280	3100	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1200	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1200	ug/kg	
79-01-6	Trichloroethene	ND	1200	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1200	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3100	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	26700	3100	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	7500	3100	ug/kg	
108-05-4	Vinyl Acetate	ND	3100	ug/kg	
75-01-4	Vinyl chloride	ND	1200	ug/kg	
	m,p-Xylene	23100	1200	ug/kg	
95-47-6	o-Xylene	11700	1200	ug/kg	
1330-20-7	Xylene (total)	34800	1200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	123%	93%	70-130%

ND = Not detected
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	118%	97%	70-130%
460-00-4	4-Bromofluorobenzene	103%	106%	70-130%

(a) Result is from Run# 2

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72914.D	10	05/05/14	WK	04/30/14	OP37884	MSF3238
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	7500	ug/kg	
95-57-8	2-Chlorophenol	ND	3700	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	7500	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	7500	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	7500	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	15000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7500	ug/kg	
95-48-7	2-Methylphenol	ND	7500	ug/kg	
	3&4-Methylphenol	ND	7500	ug/kg	
88-75-5	2-Nitrophenol	ND	7500	ug/kg	
100-02-7	4-Nitrophenol	ND	15000	ug/kg	
87-86-5	Pentachlorophenol	ND	7500	ug/kg	
108-95-2	Phenol	ND	3700	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	7500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	7500	ug/kg	
83-32-9	Acenaphthene	41900	1500	ug/kg	
208-96-8	Acenaphthylene	ND	1500	ug/kg	
62-53-3	Aniline	ND	7500	ug/kg	
120-12-7	Anthracene	10700	1500	ug/kg	
92-87-5	Benzidine	ND	15000	ug/kg	
56-55-3	Benzo(a)anthracene	7530	1500	ug/kg	
50-32-8	Benzo(a)pyrene	6380	1500	ug/kg	
205-99-2	Benzo(b)fluoranthene	5340	1500	ug/kg	
191-24-2	Benzo(g,h,i)perylene	3130	1500	ug/kg	
207-08-9	Benzo(k)fluoranthene	1970	1500	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	3700	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	3700	ug/kg	
100-51-6	Benzyl Alcohol	ND	7500	ug/kg	
91-58-7	2-Chloronaphthalene	ND	3700	ug/kg	
106-47-8	4-Chloroaniline	ND	7500	ug/kg	
86-74-8	Carbazole	ND	1500	ug/kg	
218-01-9	Chrysene	5350	1500	ug/kg	

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	3700	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	3700	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	3700	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	3700	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3700	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	3700	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3700	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3700	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	7500	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	7500	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	3700	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1500	ug/kg	
132-64-9	Dibenzofuran	ND	1500	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	3700	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	3700	ug/kg	
84-66-2	Diethyl phthalate	ND	3700	ug/kg	
131-11-3	Dimethyl phthalate	ND	3700	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	3700	ug/kg	
206-44-0	Fluoranthene	11600	1500	ug/kg	
86-73-7	Fluorene	15500	1500	ug/kg	
118-74-1	Hexachlorobenzene	ND	3700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3700	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7500	ug/kg	
67-72-1	Hexachloroethane	ND	3700	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2640	1500	ug/kg	
78-59-1	Isophorone	ND	3700	ug/kg	
90-12-0	1-Methylnaphthalene	69900	3700	ug/kg	
91-57-6	2-Methylnaphthalene	109000	1500	ug/kg	
88-74-4	2-Nitroaniline	ND	7500	ug/kg	
99-09-2	3-Nitroaniline	ND	7500	ug/kg	
100-01-6	4-Nitroaniline	ND	7500	ug/kg	
91-20-3	Naphthalene	113000	1500	ug/kg	
98-95-3	Nitrobenzene	ND	3700	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	3700	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	3700	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	3700	ug/kg	
85-01-8	Phenanthrene	39000	1500	ug/kg	
129-00-0	Pyrene	17900	1500	ug/kg	
110-86-1	Pyridine	ND	7500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3700	ug/kg	

ND = Not detected
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		30-130%
4165-62-2	Phenol-d5	61%		30-130%
118-79-6	2,4,6-Tribromophenol	70%		30-130%
4165-60-0	Nitrobenzene-d5	67%		30-130%
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	83%		30-130%

ND = Not detected
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83320.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	177	16	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	99%		61-116%

ND = Not detected
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89699.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	48	ug/kg	
11104-28-2	Aroclor 1221	ND	48	ug/kg	
11141-16-5	Aroclor 1232	ND	48	ug/kg	
53469-21-9	Aroclor 1242	ND	48	ug/kg	
12672-29-6	Aroclor 1248	ND	48	ug/kg	
11097-69-1	Aroclor 1254	ND	48	ug/kg	
11096-82-5	Aroclor 1260	ND	48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		30-150%
877-09-8	Tetrachloro-m-xylene	67%		30-150%
2051-24-3	Decachlorobiphenyl	119%		30-150%
2051-24-3	Decachlorobiphenyl	118%		30-150%

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660816.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	2330	240	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		40-140%

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Arsenic	9.0	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	42.6	5.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Beryllium	< 0.46	0.46	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.46	0.46	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	16.4	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	106	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.094	0.035	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.7	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.57	0.57	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Sulfur	1270	5.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Vanadium	36.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Zinc	101	2.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Prep QC Batch: MP22972
(4) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-8		
Lab Sample ID:	MC30024-4	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	66.5
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.19	0.18	mg/kg	1	04/26/14 13:36	MA	SW846 9012 M
Heat Content, BTU [a]	3710	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.57	0.15	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	66.5		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137104.D	1	04/30/14	JM	n/a	n/a	MSG5249
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.13 g	10.0 ml	2.5 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	44000	ug/kg	
71-43-2	Benzene	ND	2200	ug/kg	
108-86-1	Bromobenzene	ND	22000	ug/kg	
74-97-5	Bromochloromethane	ND	22000	ug/kg	
75-27-4	Bromodichloromethane	ND	8700	ug/kg	
75-25-2	Bromoform	ND	8700	ug/kg	
74-83-9	Bromomethane	ND	8700	ug/kg	
78-93-3	2-Butanone (MEK)	ND	44000	ug/kg	
104-51-8	n-Butylbenzene	ND	22000	ug/kg	
135-98-8	sec-Butylbenzene	ND	22000	ug/kg	
98-06-6	tert-Butylbenzene	ND	22000	ug/kg	
75-15-0	Carbon disulfide	ND	22000	ug/kg	
56-23-5	Carbon tetrachloride	ND	8700	ug/kg	
108-90-7	Chlorobenzene	ND	8700	ug/kg	
75-00-3	Chloroethane	ND	22000	ug/kg	
67-66-3	Chloroform	ND	8700	ug/kg	
74-87-3	Chloromethane	ND	22000	ug/kg	
95-49-8	o-Chlorotoluene	ND	22000	ug/kg	
106-43-4	p-Chlorotoluene	ND	22000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	22000	ug/kg	
124-48-1	Dibromochloromethane	ND	8700	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8700	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	8700	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	8700	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	8700	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8700	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8700	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8700	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8700	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8700	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8700	ug/kg	

ND = Not detected
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: CLMT-SB-10
Lab Sample ID: MC30024-5
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 82.7

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	22000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	22000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	22000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8700	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8700	ug/kg	
100-41-4	Ethylbenzene	ND	8700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	22000	ug/kg	
591-78-6	2-Hexanone	ND	44000	ug/kg	
74-88-4	Iodomethane	ND	22000	ug/kg	
98-82-8	Isopropylbenzene	ND	22000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	22000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8700	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	22000	ug/kg	
74-95-3	Methylene bromide	ND	22000	ug/kg	
75-09-2	Methylene chloride	ND	8700	ug/kg	
91-20-3	Naphthalene	585000	22000	ug/kg	
103-65-1	n-Propylbenzene	ND	22000	ug/kg	
100-42-5	Styrene	ND	22000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	22000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8700	ug/kg	
127-18-4	Tetrachloroethene	ND	8700	ug/kg	
108-88-3	Toluene	ND	22000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	22000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	22000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8700	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8700	ug/kg	
79-01-6	Trichloroethene	ND	8700	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8700	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	22000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	40800	22000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	22000	ug/kg	
108-05-4	Vinyl Acetate	ND	22000	ug/kg	
75-01-4	Vinyl chloride	ND	8700	ug/kg	
	m,p-Xylene	ND	8700	ug/kg	
95-47-6	o-Xylene	ND	8700	ug/kg	
1330-20-7	Xylene (total)	11500	8700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%

ND = Not detected
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:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
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:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01714.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	58000	ug/kg	
95-57-8	2-Chlorophenol	ND	29000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	58000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	58000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	58000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	120000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	58000	ug/kg	
95-48-7	2-Methylphenol	ND	58000	ug/kg	
	3&4-Methylphenol	ND	58000	ug/kg	
88-75-5	2-Nitrophenol	ND	58000	ug/kg	
100-02-7	4-Nitrophenol	ND	120000	ug/kg	
87-86-5	Pentachlorophenol	ND	58000	ug/kg	
108-95-2	Phenol	ND	29000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	58000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	58000	ug/kg	
83-32-9	Acenaphthene	29700	12000	ug/kg	
208-96-8	Acenaphthylene	15500	12000	ug/kg	
62-53-3	Aniline	ND	58000	ug/kg	
120-12-7	Anthracene	21200	12000	ug/kg	
92-87-5	Benzidine	ND	120000	ug/kg	
56-55-3	Benzo(a)anthracene	23000	12000	ug/kg	
50-32-8	Benzo(a)pyrene	23900	12000	ug/kg	
205-99-2	Benzo(b)fluoranthene	17400	12000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	12000	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	12000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	29000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	29000	ug/kg	
100-51-6	Benzyl Alcohol	ND	58000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	29000	ug/kg	
106-47-8	4-Chloroaniline	ND	58000	ug/kg	
86-74-8	Carbazole	ND	12000	ug/kg	
218-01-9	Chrysene	17200	12000	ug/kg	

ND = Not detected
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: CLMT-SB-10
Lab Sample ID: MC30024-5
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 82.7

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	29000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	29000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	29000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	29000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	29000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	29000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	29000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	29000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	29000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	12000	ug/kg	
132-64-9	Dibenzofuran	ND	12000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	29000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	29000	ug/kg	
84-66-2	Diethyl phthalate	ND	29000	ug/kg	
131-11-3	Dimethyl phthalate	ND	29000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	29000	ug/kg	
206-44-0	Fluoranthene	32000	12000	ug/kg	
86-73-7	Fluorene	22700	12000	ug/kg	
118-74-1	Hexachlorobenzene	ND	29000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	58000	ug/kg	
67-72-1	Hexachloroethane	ND	29000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	12000	ug/kg	
78-59-1	Isophorone	ND	29000	ug/kg	
90-12-0	1-Methylnaphthalene	49500	29000	ug/kg	
91-57-6	2-Methylnaphthalene	64000	12000	ug/kg	
88-74-4	2-Nitroaniline	ND	58000	ug/kg	
99-09-2	3-Nitroaniline	ND	58000	ug/kg	
100-01-6	4-Nitroaniline	ND	58000	ug/kg	
91-20-3	Naphthalene	50200	12000	ug/kg	
98-95-3	Nitrobenzene	ND	29000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	29000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	29000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	29000	ug/kg	
85-01-8	Phenanthrene	55800	12000	ug/kg	
129-00-0	Pyrene	63700	12000	ug/kg	
110-86-1	Pyridine	ND	58000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	29000	ug/kg	

ND = Not detected
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:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		30-130%
4165-62-2	Phenol-d5	53%		30-130%
118-79-6	2,4,6-Tribromophenol	32%		30-130%
4165-60-0	Nitrobenzene-d5	43%		30-130%
321-60-8	2-Fluorobiphenyl	87%		30-130%
1718-51-0	Terphenyl-d14	107%		30-130%

ND = Not detected
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:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83316.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.13 g	10.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	160	22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	97%		61-116%

ND = Not detected
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:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	82.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89700.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
11097-69-1	Aroclor 1254	ND	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		30-150%
877-09-8	Tetrachloro-m-xylene	61%		30-150%
2051-24-3	Decachlorobiphenyl	192% [a]		30-150%
2051-24-3	Decachlorobiphenyl	174% [a]		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-10
Lab Sample ID: MC30024-5
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 82.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660818.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	1870	200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		40-140%

ND = Not detected
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: CLMT-SB-10
Lab Sample ID: MC30024-5
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 82.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.98	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	20.4	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	54.4	4.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.39	0.39	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.39	0.39	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	18.3	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	6310	9.8	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Mercury	0.86	0.037	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	22.8	3.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.98	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.49	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	1460	4.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 0.98	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	27.0	0.98	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	128	2.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-10		
Lab Sample ID:	MC30024-5	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	82.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	2.1	0.14	mg/kg	1	04/26/14 13:37	MA	SW846 9012 M
Heat Content, BTU [a]	228	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	3.0	0.070	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	82.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137100.D	1	04/30/14	JM	n/a	n/a	MSG5249
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.51 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1500	ug/kg	
71-43-2	Benzene	390	73	ug/kg	
108-86-1	Bromobenzene	ND	730	ug/kg	
74-97-5	Bromochloromethane	ND	730	ug/kg	
75-27-4	Bromodichloromethane	ND	290	ug/kg	
75-25-2	Bromoform	ND	290	ug/kg	
74-83-9	Bromomethane	ND	290	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1500	ug/kg	
104-51-8	n-Butylbenzene	ND	730	ug/kg	
135-98-8	sec-Butylbenzene	ND	730	ug/kg	
98-06-6	tert-Butylbenzene	ND	730	ug/kg	
75-15-0	Carbon disulfide	ND	730	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	ug/kg	
108-90-7	Chlorobenzene	ND	290	ug/kg	
75-00-3	Chloroethane	ND	730	ug/kg	
67-66-3	Chloroform	ND	290	ug/kg	
74-87-3	Chloromethane	ND	730	ug/kg	
95-49-8	o-Chlorotoluene	ND	730	ug/kg	
106-43-4	p-Chlorotoluene	ND	730	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	730	ug/kg	
124-48-1	Dibromochloromethane	ND	290	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	290	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	ug/kg	
75-35-4	1,1-Dichloroethene	ND	290	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	290	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	290	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	ug/kg	

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	730	ug/kg	
594-20-7	2,2-Dichloropropane	ND	730	ug/kg	
563-58-6	1,1-Dichloropropene	ND	730	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	ug/kg	
100-41-4	Ethylbenzene	582	290	ug/kg	
87-68-3	Hexachlorobutadiene	ND	730	ug/kg	
591-78-6	2-Hexanone	ND	1500	ug/kg	
74-88-4	Iodomethane	ND	730	ug/kg	
98-82-8	Isopropylbenzene	ND	730	ug/kg	
99-87-6	p-Isopropyltoluene	ND	730	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	730	ug/kg	
74-95-3	Methylene bromide	ND	730	ug/kg	
75-09-2	Methylene chloride	ND	290	ug/kg	
91-20-3	Naphthalene	22500	730	ug/kg	
103-65-1	n-Propylbenzene	ND	730	ug/kg	
100-42-5	Styrene	ND	730	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	730	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	ug/kg	
127-18-4	Tetrachloroethene	ND	290	ug/kg	
108-88-3	Toluene	1090	730	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	730	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	730	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	ug/kg	
79-01-6	Trichloroethene	ND	290	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	730	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	2900	730	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	868	730	ug/kg	
108-05-4	Vinyl Acetate	ND	730	ug/kg	
75-01-4	Vinyl chloride	ND	290	ug/kg	
	m,p-Xylene	1820	290	ug/kg	
95-47-6	o-Xylene	947	290	ug/kg	
1330-20-7	Xylene (total)	2770	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%

ND = Not detected
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:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01715.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	68000	ug/kg	
95-57-8	2-Chlorophenol	ND	34000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	68000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	68000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	68000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	140000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	68000	ug/kg	
95-48-7	2-Methylphenol	ND	68000	ug/kg	
	3&4-Methylphenol	ND	68000	ug/kg	
88-75-5	2-Nitrophenol	ND	68000	ug/kg	
100-02-7	4-Nitrophenol	ND	140000	ug/kg	
87-86-5	Pentachlorophenol	ND	68000	ug/kg	
108-95-2	Phenol	ND	34000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	68000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	68000	ug/kg	
83-32-9	Acenaphthene	17100	14000	ug/kg	
208-96-8	Acenaphthylene	ND	14000	ug/kg	
62-53-3	Aniline	ND	68000	ug/kg	
120-12-7	Anthracene	26500	14000	ug/kg	
92-87-5	Benzidine	ND	140000	ug/kg	
56-55-3	Benzo(a)anthracene	39800	14000	ug/kg	
50-32-8	Benzo(a)pyrene	32500	14000	ug/kg	
205-99-2	Benzo(b)fluoranthene	43000	14000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	14100	14000	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	14000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	34000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	34000	ug/kg	
100-51-6	Benzyl Alcohol	ND	68000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	34000	ug/kg	
106-47-8	4-Chloroaniline	ND	68000	ug/kg	
86-74-8	Carbazole	ND	14000	ug/kg	
218-01-9	Chrysene	31100	14000	ug/kg	

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	34000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	34000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	34000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	34000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	34000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	34000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	34000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	34000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	34000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	14000	ug/kg	
132-64-9	Dibenzofuran	ND	14000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	34000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	34000	ug/kg	
84-66-2	Diethyl phthalate	ND	34000	ug/kg	
131-11-3	Dimethyl phthalate	ND	34000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	34000	ug/kg	
206-44-0	Fluoranthene	83500	14000	ug/kg	
86-73-7	Fluorene	21700	14000	ug/kg	
118-74-1	Hexachlorobenzene	ND	34000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	68000	ug/kg	
67-72-1	Hexachloroethane	ND	34000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	14000	ug/kg	
78-59-1	Isophorone	ND	34000	ug/kg	
90-12-0	1-Methylnaphthalene	ND	34000	ug/kg	
91-57-6	2-Methylnaphthalene	21600	14000	ug/kg	
88-74-4	2-Nitroaniline	ND	68000	ug/kg	
99-09-2	3-Nitroaniline	ND	68000	ug/kg	
100-01-6	4-Nitroaniline	ND	68000	ug/kg	
91-20-3	Naphthalene	ND	14000	ug/kg	
98-95-3	Nitrobenzene	ND	34000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	34000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	34000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	34000	ug/kg	
85-01-8	Phenanthrene	108000	14000	ug/kg	
129-00-0	Pyrene	88800	14000	ug/kg	
110-86-1	Pyridine	ND	68000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	34000	ug/kg	

ND = Not detected
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:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-130%
4165-62-2	Phenol-d5	56%		30-130%
118-79-6	2,4,6-Tribromophenol	43%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	112%		30-130%

ND = Not detected
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:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83321.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.51 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	42.6	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	100%		61-116%

ND = Not detected
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:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89701.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	44	ug/kg	
11104-28-2	Aroclor 1221	ND	44	ug/kg	
11141-16-5	Aroclor 1232	ND	44	ug/kg	
53469-21-9	Aroclor 1242	ND	44	ug/kg	
12672-29-6	Aroclor 1248	ND	44	ug/kg	
11097-69-1	Aroclor 1254	ND	44	ug/kg	
11096-82-5	Aroclor 1260	ND	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		30-150%
877-09-8	Tetrachloro-m-xylene	93%		30-150%
2051-24-3	Decachlorobiphenyl	107%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660820.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	2890	220	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		40-140%

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	10.5	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	97.4	5.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.43	0.43	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.43	0.43	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	18.3	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	142	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.39	0.039	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	16.2	4.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.54	0.54	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	2310	27	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	37.0	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	150	2.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-11		
Lab Sample ID:	MC30024-6	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	71.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.3	0.16	mg/kg	1	04/26/14 13:38	MA	SW846 9012 M
Heat Content, BTU [a]	2300	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.27	0.12	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	71.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137105.D	1	04/30/14	JM	n/a	n/a	MSG5249
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.68 g	10.0 ml	2.5 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	84000	ug/kg	
71-43-2	Benzene	12300	4200	ug/kg	
108-86-1	Bromobenzene	ND	42000	ug/kg	
74-97-5	Bromochloromethane	ND	42000	ug/kg	
75-27-4	Bromodichloromethane	ND	17000	ug/kg	
75-25-2	Bromoform	ND	17000	ug/kg	
74-83-9	Bromomethane	ND	17000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	84000	ug/kg	
104-51-8	n-Butylbenzene	ND	42000	ug/kg	
135-98-8	sec-Butylbenzene	ND	42000	ug/kg	
98-06-6	tert-Butylbenzene	ND	42000	ug/kg	
75-15-0	Carbon disulfide	ND	42000	ug/kg	
56-23-5	Carbon tetrachloride	ND	17000	ug/kg	
108-90-7	Chlorobenzene	ND	17000	ug/kg	
75-00-3	Chloroethane	ND	42000	ug/kg	
67-66-3	Chloroform	ND	17000	ug/kg	
74-87-3	Chloromethane	ND	42000	ug/kg	
95-49-8	o-Chlorotoluene	ND	42000	ug/kg	
106-43-4	p-Chlorotoluene	ND	42000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	42000	ug/kg	
124-48-1	Dibromochloromethane	ND	17000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	17000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	17000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	17000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	17000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	17000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	17000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	17000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	17000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	17000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	17000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	17000	ug/kg	

ND = Not detected
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: CLMT-SB-12
Lab Sample ID: MC30024-7
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	42000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	42000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	42000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	17000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	17000	ug/kg	
100-41-4	Ethylbenzene	242000	17000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42000	ug/kg	
591-78-6	2-Hexanone	ND	84000	ug/kg	
74-88-4	Iodomethane	ND	42000	ug/kg	
98-82-8	Isopropylbenzene	ND	42000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	42000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	17000	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	42000	ug/kg	
74-95-3	Methylene bromide	ND	42000	ug/kg	
75-09-2	Methylene chloride	ND	17000	ug/kg	
91-20-3	Naphthalene	2660000	42000	ug/kg	
103-65-1	n-Propylbenzene	ND	42000	ug/kg	
100-42-5	Styrene	ND	42000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	42000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17000	ug/kg	
127-18-4	Tetrachloroethene	ND	17000	ug/kg	
108-88-3	Toluene	ND	42000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	42000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	42000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	17000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	17000	ug/kg	
79-01-6	Trichloroethene	ND	17000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	17000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	42000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	225000	42000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	71300	42000	ug/kg	
108-05-4	Vinyl Acetate	ND	42000	ug/kg	
75-01-4	Vinyl chloride	ND	17000	ug/kg	
	m,p-Xylene	238000	17000	ug/kg	
95-47-6	o-Xylene	109000	17000	ug/kg	
1330-20-7	Xylene (total)	347000	17000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%

ND = Not detected
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:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

ND = Not detected
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:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72919.D	20	05/05/14	WK	04/30/14	OP37884	MSF3238
Run #2	X01716.D	200	05/06/14	WK	04/30/14	OP37884	MSX64

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2	20.1 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	14000	ug/kg	
95-57-8	2-Chlorophenol	ND	7000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	14000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	14000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	14000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	28000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	14000	ug/kg	
95-48-7	2-Methylphenol	ND	14000	ug/kg	
	3&4-Methylphenol	ND	14000	ug/kg	
88-75-5	2-Nitrophenol	ND	14000	ug/kg	
100-02-7	4-Nitrophenol	ND	28000	ug/kg	
87-86-5	Pentachlorophenol	ND	14000	ug/kg	
108-95-2	Phenol	ND	7000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	14000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	14000	ug/kg	
83-32-9	Acenaphthene	322000 [a]	28000	ug/kg	
208-96-8	Acenaphthylene	71500	2800	ug/kg	
62-53-3	Aniline	ND	14000	ug/kg	
120-12-7	Anthracene	173000	2800	ug/kg	
92-87-5	Benzidine	ND	28000	ug/kg	
56-55-3	Benzo(a)anthracene	120000	2800	ug/kg	
50-32-8	Benzo(a)pyrene	86800	2800	ug/kg	
205-99-2	Benzo(b)fluoranthene	81600	2800	ug/kg	
191-24-2	Benzo(g,h,i)perylene	30400	2800	ug/kg	
207-08-9	Benzo(k)fluoranthene	24100	2800	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	7000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	7000	ug/kg	
100-51-6	Benzyl Alcohol	ND	14000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	7000	ug/kg	
106-47-8	4-Chloroaniline	ND	14000	ug/kg	
86-74-8	Carbazole	11900	2800	ug/kg	
218-01-9	Chrysene	101000	2800	ug/kg	

ND = Not detected
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: CLMT-SB-12
Lab Sample ID: MC30024-7
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	7000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	7000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	7000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	7000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	7000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	14000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	14000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	7000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	11700	2800	ug/kg	
132-64-9	Dibenzofuran	49600	2800	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	7000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	7000	ug/kg	
84-66-2	Diethyl phthalate	ND	7000	ug/kg	
131-11-3	Dimethyl phthalate	ND	7000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	7000	ug/kg	
206-44-0	Fluoranthene	204000	2800	ug/kg	
86-73-7	Fluorene	193000	2800	ug/kg	
118-74-1	Hexachlorobenzene	ND	7000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	14000	ug/kg	
67-72-1	Hexachloroethane	ND	7000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26400	2800	ug/kg	
78-59-1	Isophorone	ND	7000	ug/kg	
90-12-0	1-Methylnaphthalene	562000 [a]	70000	ug/kg	
91-57-6	2-Methylnaphthalene	801000 [a]	28000	ug/kg	
88-74-4	2-Nitroaniline	ND	14000	ug/kg	
99-09-2	3-Nitroaniline	ND	14000	ug/kg	
100-01-6	4-Nitroaniline	ND	14000	ug/kg	
91-20-3	Naphthalene	798000 [a]	28000	ug/kg	
98-95-3	Nitrobenzene	ND	7000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	7000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	7000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	7000	ug/kg	
85-01-8	Phenanthrene	560000 [a]	28000	ug/kg	
129-00-0	Pyrene	362000 [a]	28000	ug/kg	
110-86-1	Pyridine	ND	14000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7000	ug/kg	

ND = Not detected
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:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	10% [b]	32%	30-130%
4165-62-2	Phenol-d5	38%	40%	30-130%
118-79-6	2,4,6-Tribromophenol	50%	21% [b]	30-130%
4165-60-0	Nitrobenzene-d5	57%	38%	30-130%
321-60-8	2-Fluorobiphenyl	61%	58%	30-130%
1718-51-0	Terphenyl-d14	63%	95%	30-130%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
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:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83317.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.68 g	10.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	1460	100	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	100%		61-116%

ND = Not detected
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:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89702.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	45	ug/kg	
11104-28-2	Aroclor 1221	ND	45	ug/kg	
11141-16-5	Aroclor 1232	ND	45	ug/kg	
53469-21-9	Aroclor 1242	ND	45	ug/kg	
12672-29-6	Aroclor 1248	ND	45	ug/kg	
11097-69-1	Aroclor 1254	ND	45	ug/kg	
11096-82-5	Aroclor 1260	ND	45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	135%		30-150%
877-09-8	Tetrachloro-m-xylene	74%		30-150%
2051-24-3	Decachlorobiphenyl	88%		30-150%
2051-24-3	Decachlorobiphenyl	128%		30-150%

ND = Not detected
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: CLMT-SB-12
Lab Sample ID: MC30024-7
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660846.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	11800	220	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	50%		40-140%

ND = Not detected
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: CLMT-SB-12
Lab Sample ID: MC30024-7
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	25.9	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	60.9	5.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.44	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.49	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	15.5	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	97.0	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.20	0.038	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	18.9	4.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	2.2	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	5010	55	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	21.4	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	75.9	2.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-12		
Lab Sample ID:	MC30024-7	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	71.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	2.7	0.15	mg/kg	1	04/26/14 13:39	MA	SW846 9012 M
Heat Content, BTU [a]	3180	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.75	0.10	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	71.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137106.D	1	04/30/14	JM	n/a	n/a	MSG5249
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	2.21 g	10.0 ml	1.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	430000	ug/kg	
71-43-2	Benzene	55200	22000	ug/kg	
108-86-1	Bromobenzene	ND	220000	ug/kg	
74-97-5	Bromochloromethane	ND	220000	ug/kg	
75-27-4	Bromodichloromethane	ND	87000	ug/kg	
75-25-2	Bromoform	ND	87000	ug/kg	
74-83-9	Bromomethane	ND	87000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	430000	ug/kg	
104-51-8	n-Butylbenzene	ND	220000	ug/kg	
135-98-8	sec-Butylbenzene	ND	220000	ug/kg	
98-06-6	tert-Butylbenzene	ND	220000	ug/kg	
75-15-0	Carbon disulfide	ND	220000	ug/kg	
56-23-5	Carbon tetrachloride	ND	87000	ug/kg	
108-90-7	Chlorobenzene	ND	87000	ug/kg	
75-00-3	Chloroethane	ND	220000	ug/kg	
67-66-3	Chloroform	ND	87000	ug/kg	
74-87-3	Chloromethane	ND	220000	ug/kg	
95-49-8	o-Chlorotoluene	ND	220000	ug/kg	
106-43-4	p-Chlorotoluene	ND	220000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	220000	ug/kg	
124-48-1	Dibromochloromethane	ND	87000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	87000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	87000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	87000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	87000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	87000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	87000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	87000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	87000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	87000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	87000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	87000	ug/kg	

ND = Not detected
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: CLMT-SB-14
Lab Sample ID: MC30024-8
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 57.0

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	220000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	220000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	220000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	87000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	87000	ug/kg	
100-41-4	Ethylbenzene	281000	87000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	220000	ug/kg	
591-78-6	2-Hexanone	ND	430000	ug/kg	
74-88-4	Iodomethane	ND	220000	ug/kg	
98-82-8	Isopropylbenzene	ND	220000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	220000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	87000	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	220000	ug/kg	
74-95-3	Methylene bromide	ND	220000	ug/kg	
75-09-2	Methylene chloride	ND	87000	ug/kg	
91-20-3	Naphthalene	5800000	220000	ug/kg	
103-65-1	n-Propylbenzene	ND	220000	ug/kg	
100-42-5	Styrene	ND	220000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	220000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	87000	ug/kg	
127-18-4	Tetrachloroethene	ND	87000	ug/kg	
108-88-3	Toluene	ND	220000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	220000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	220000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	87000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	87000	ug/kg	
79-01-6	Trichloroethene	ND	87000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	87000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	220000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	349000	220000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	220000	ug/kg	
108-05-4	Vinyl Acetate	ND	220000	ug/kg	
75-01-4	Vinyl chloride	ND	87000	ug/kg	
	m,p-Xylene	348000	87000	ug/kg	
95-47-6	o-Xylene	174000	87000	ug/kg	
1330-20-7	Xylene (total)	522000	87000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%

ND = Not detected
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

ND = Not detected
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72920.D	20	05/05/14	WK	04/30/14	OP37884	MSF3238
Run #2	X01717.D	200	05/06/14	WK	04/30/14	OP37884	MSX64

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2	20.7 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	17000	ug/kg	
95-57-8	2-Chlorophenol	ND	8500	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	17000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	17000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	17000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	34000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	17000	ug/kg	
95-48-7	2-Methylphenol	ND	17000	ug/kg	
	3&4-Methylphenol	ND	17000	ug/kg	
88-75-5	2-Nitrophenol	ND	17000	ug/kg	
100-02-7	4-Nitrophenol	ND	34000	ug/kg	
87-86-5	Pentachlorophenol	ND	17000	ug/kg	
108-95-2	Phenol	ND	8500	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	17000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	17000	ug/kg	
83-32-9	Acenaphthene	397000 [a]	34000	ug/kg	
208-96-8	Acenaphthylene	205000	3400	ug/kg	
62-53-3	Aniline	ND	17000	ug/kg	
120-12-7	Anthracene	371000 [a]	34000	ug/kg	
92-87-5	Benzidine	ND	34000	ug/kg	
56-55-3	Benzo(a)anthracene	210000	3400	ug/kg	
50-32-8	Benzo(a)pyrene	152000	3400	ug/kg	
205-99-2	Benzo(b)fluoranthene	147000	3400	ug/kg	
191-24-2	Benzo(g,h,i)perylene	59700	3400	ug/kg	
207-08-9	Benzo(k)fluoranthene	45700	3400	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	8500	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	8500	ug/kg	
100-51-6	Benzyl Alcohol	ND	17000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	8500	ug/kg	
106-47-8	4-Chloroaniline	ND	17000	ug/kg	
86-74-8	Carbazole	70200	3400	ug/kg	
218-01-9	Chrysene	171000	3400	ug/kg	

ND = Not detected
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: CLMT-SB-14
Lab Sample ID: MC30024-8
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 57.0

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	8500	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	8500	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	8500	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	8500	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	8500	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	8500	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	8500	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	8500	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	17000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	17000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	8500	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	22600	3400	ug/kg	
132-64-9	Dibenzofuran	160000	3400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	8500	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	8500	ug/kg	
84-66-2	Diethyl phthalate	ND	8500	ug/kg	
131-11-3	Dimethyl phthalate	ND	8500	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	8500	ug/kg	
206-44-0	Fluoranthene	416000 [a]	34000	ug/kg	
86-73-7	Fluorene	421000 [a]	34000	ug/kg	
118-74-1	Hexachlorobenzene	ND	8500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	8500	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	17000	ug/kg	
67-72-1	Hexachloroethane	ND	8500	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	51700	3400	ug/kg	
78-59-1	Isophorone	ND	8500	ug/kg	
90-12-0	1-Methylnaphthalene	869000 [a]	85000	ug/kg	
91-57-6	2-Methylnaphthalene	1260000 [a]	34000	ug/kg	
88-74-4	2-Nitroaniline	ND	17000	ug/kg	
99-09-2	3-Nitroaniline	ND	17000	ug/kg	
100-01-6	4-Nitroaniline	ND	17000	ug/kg	
91-20-3	Naphthalene	1520000 [a]	34000	ug/kg	
98-95-3	Nitrobenzene	ND	8500	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	8500	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	8500	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	8500	ug/kg	
85-01-8	Phenanthrene	974000 [a]	34000	ug/kg	
129-00-0	Pyrene	558000 [a]	34000	ug/kg	
110-86-1	Pyridine	ND	17000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8500	ug/kg	

ND = Not detected
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%	32%	30-130%
4165-62-2	Phenol-d5	40%	37%	30-130%
118-79-6	2,4,6-Tribromophenol	46%	19% [b]	30-130%
4165-60-0	Nitrobenzene-d5	38%	44%	30-130%
321-60-8	2-Fluorobiphenyl	44%	60%	30-130%
1718-51-0	Terphenyl-d14	62%	89%	30-130%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83318.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	2.21 g	10.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	2480	220	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	98%		61-116%

ND = Not detected
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89703.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	57	ug/kg	
11104-28-2	Aroclor 1221	ND	57	ug/kg	
11141-16-5	Aroclor 1232	ND	57	ug/kg	
53469-21-9	Aroclor 1242	ND	57	ug/kg	
12672-29-6	Aroclor 1248	ND	57	ug/kg	
11097-69-1	Aroclor 1254	ND	57	ug/kg	
11096-82-5	Aroclor 1260	ND	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	349% [a]		30-150%
877-09-8	Tetrachloro-m-xylene	49%		30-150%
2051-24-3	Decachlorobiphenyl	92%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-14
Lab Sample ID: MC30024-8
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 57.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660852.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	20400	290	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		40-140%

ND = Not detected
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: CLMT-SB-14
Lab Sample ID: MC30024-8
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 57.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.3	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	11.0	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	83.1	6.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.51	0.51	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.51	0.51	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	12.6	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	33.4	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.19	0.037	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	12.2	5.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.3	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.64	0.64	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	5450	64	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	18.8	1.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	83.7	2.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-14		
Lab Sample ID:	MC30024-8	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	57.0
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	8.6	0.20	mg/kg	1	04/26/14 13:40	MA	SW846 9012 M
Heat Content, BTU [a]	8390	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.76	0.15	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	57		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-17
Lab Sample ID: MC30024-9
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 68.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137198.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2	G137248.D	1	05/05/14	JM	n/a	n/a	MSG5252

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.29 g	10.0 ml	1.0 ul
Run #2	3.29 g	10.0 ml	0.50 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250000	ug/kg	
71-43-2	Benzene	228000	12000	ug/kg	
108-86-1	Bromobenzene	ND	120000	ug/kg	
74-97-5	Bromochloromethane	ND	120000	ug/kg	
75-27-4	Bromodichloromethane	ND	49000	ug/kg	
75-25-2	Bromoform	ND	49000	ug/kg	
74-83-9	Bromomethane	ND	49000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250000	ug/kg	
104-51-8	n-Butylbenzene	ND	120000	ug/kg	
135-98-8	sec-Butylbenzene	ND	120000	ug/kg	
98-06-6	tert-Butylbenzene	ND	120000	ug/kg	
75-15-0	Carbon disulfide	ND	120000	ug/kg	
56-23-5	Carbon tetrachloride	ND	49000	ug/kg	
108-90-7	Chlorobenzene	ND	49000	ug/kg	
75-00-3	Chloroethane	ND	120000	ug/kg	
67-66-3	Chloroform	ND	49000	ug/kg	
74-87-3	Chloromethane	ND	120000	ug/kg	
95-49-8	o-Chlorotoluene	ND	120000	ug/kg	
106-43-4	p-Chlorotoluene	ND	120000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	120000	ug/kg	
124-48-1	Dibromochloromethane	ND	49000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	49000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	49000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	49000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	49000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	49000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	49000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	49000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	49000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	49000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	49000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	49000	ug/kg	

ND = Not detected
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: CLMT-SB-17
Lab Sample ID: MC30024-9
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 68.4

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	120000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	120000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	120000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	49000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	49000	ug/kg	
100-41-4	Ethylbenzene	147000	49000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	120000	ug/kg	
591-78-6	2-Hexanone	ND	250000	ug/kg	
74-88-4	Iodomethane	ND	120000	ug/kg	
98-82-8	Isopropylbenzene	ND	120000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	120000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	49000	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	120000	ug/kg	
74-95-3	Methylene bromide	ND	120000	ug/kg	
75-09-2	Methylene chloride	ND	49000	ug/kg	
91-20-3	Naphthalene	15600000 [a]	250000	ug/kg	
103-65-1	n-Propylbenzene	ND	120000	ug/kg	
100-42-5	Styrene	178000	120000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	120000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	49000	ug/kg	
127-18-4	Tetrachloroethene	ND	49000	ug/kg	
108-88-3	Toluene	769000	120000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	120000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	120000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	49000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	49000	ug/kg	
79-01-6	Trichloroethene	ND	49000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	49000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	120000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	785000	120000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	242000	120000	ug/kg	
108-05-4	Vinyl Acetate	ND	120000	ug/kg	
75-01-4	Vinyl chloride	ND	49000	ug/kg	
	m,p-Xylene	873000	49000	ug/kg	
95-47-6	o-Xylene	436000	49000	ug/kg	
1330-20-7	Xylene (total)	1310000	49000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	103%	70-130%

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%	106%	70-130%
460-00-4	4-Bromofluorobenzene	101%	108%	70-130%

(a) Result is from Run# 2

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01718.D	200	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	5.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	720000	ug/kg	
95-57-8	2-Chlorophenol	ND	360000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	720000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	720000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	720000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1400000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720000	ug/kg	
95-48-7	2-Methylphenol	ND	720000	ug/kg	
	3&4-Methylphenol	ND	720000	ug/kg	
88-75-5	2-Nitrophenol	ND	720000	ug/kg	
100-02-7	4-Nitrophenol	ND	1400000	ug/kg	
87-86-5	Pentachlorophenol	ND	720000	ug/kg	
108-95-2	Phenol	ND	360000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	720000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	720000	ug/kg	
83-32-9	Acenaphthene	456000	140000	ug/kg	
208-96-8	Acenaphthylene	2250000	140000	ug/kg	
62-53-3	Aniline	ND	720000	ug/kg	
120-12-7	Anthracene	988000	140000	ug/kg	
92-87-5	Benzidine	ND	1400000	ug/kg	
56-55-3	Benzo(a)anthracene	698000	140000	ug/kg	
50-32-8	Benzo(a)pyrene	275000	140000	ug/kg	
205-99-2	Benzo(b)fluoranthene	412000	140000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	140000	ug/kg	
207-08-9	Benzo(k)fluoranthene	142000	140000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	360000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360000	ug/kg	
100-51-6	Benzyl Alcohol	ND	720000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	360000	ug/kg	
106-47-8	4-Chloroaniline	ND	720000	ug/kg	
86-74-8	Carbazole	ND	140000	ug/kg	
218-01-9	Chrysene	567000	140000	ug/kg	

ND = Not detected
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: CLMT-SB-17
Lab Sample ID: MC30024-9
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 68.4

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	360000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	360000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	360000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	360000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	360000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	360000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	360000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	360000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	720000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	720000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	140000	ug/kg	
132-64-9	Dibenzofuran	278000	140000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360000	ug/kg	
84-66-2	Diethyl phthalate	ND	360000	ug/kg	
131-11-3	Dimethyl phthalate	ND	360000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360000	ug/kg	
206-44-0	Fluoranthene	1390000	140000	ug/kg	
86-73-7	Fluorene	1590000	140000	ug/kg	
118-74-1	Hexachlorobenzene	ND	360000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720000	ug/kg	
67-72-1	Hexachloroethane	ND	360000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140000	ug/kg	
78-59-1	Isophorone	ND	360000	ug/kg	
90-12-0	1-Methylnaphthalene	5890000	360000	ug/kg	
91-57-6	2-Methylnaphthalene	8140000	140000	ug/kg	
88-74-4	2-Nitroaniline	ND	720000	ug/kg	
99-09-2	3-Nitroaniline	ND	720000	ug/kg	
100-01-6	4-Nitroaniline	ND	720000	ug/kg	
91-20-3	Naphthalene	8140000	140000	ug/kg	
98-95-3	Nitrobenzene	ND	360000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	360000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	360000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	360000	ug/kg	
85-01-8	Phenanthrene	4470000	140000	ug/kg	
129-00-0	Pyrene	2590000	140000	ug/kg	
110-86-1	Pyridine	ND	720000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360000	ug/kg	

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		30-130%
4165-62-2	Phenol-d5	83%		30-130%
118-79-6	2,4,6-Tribromophenol	30%		30-130%
4165-60-0	Nitrobenzene-d5	114%		30-130%
321-60-8	2-Fluorobiphenyl	82%		30-130%
1718-51-0	Terphenyl-d14	57%		30-130%

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83319.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.29 g	10.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	6140	490	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	98%		61-116%

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	YZ89728.D	10	05/06/14	SZ	05/01/14	OP37906	GYZ7557
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	480	ug/kg	
11104-28-2	Aroclor 1221	ND	480	ug/kg	
11141-16-5	Aroclor 1232	ND	480	ug/kg	
53469-21-9	Aroclor 1242	ND	480	ug/kg	
12672-29-6	Aroclor 1248	ND	480	ug/kg	
11097-69-1	Aroclor 1254	ND	480	ug/kg	
11096-82-5	Aroclor 1260	ND	480	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		30-150%
877-09-8	Tetrachloro-m-xylene	135%		30-150%
2051-24-3	Decachlorobiphenyl	67%		30-150%
2051-24-3	Decachlorobiphenyl	50%		30-150%

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected
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: CLMT-SB-17
Lab Sample ID: MC30024-9
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 68.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660850.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	34000	240	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	42%		40-140%

ND = Not detected
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	68.4
Project:	Former MGP Site, Claremont, NH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	5.5	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	45.7	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	27.9	5.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.44	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.66	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	14.4	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	73.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.43	0.036	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	7.7	4.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	< 1.1	1.1	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Sulfur	46100	550	mg/kg	100	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	32.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	73.0	2.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-17		
Lab Sample ID:	MC30024-9	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	68.4
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	39.6	1.6	mg/kg	10	04/26/14 13:55	MA	SW846 9012 M
Heat Content, BTU [a]	8390	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	4.4	0.12	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	68.4		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	75.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137244.D	1	05/05/14	JM	n/a	n/a	MSG5252
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.30 g	10.0 ml	50.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	4300	ug/kg	
71-43-2	Benzene	4370	220	ug/kg	
108-86-1	Bromobenzene	ND	2200	ug/kg	
74-97-5	Bromochloromethane	ND	2200	ug/kg	
75-27-4	Bromodichloromethane	ND	860	ug/kg	
75-25-2	Bromoform	ND	860	ug/kg	
74-83-9	Bromomethane	ND	860	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4300	ug/kg	
104-51-8	n-Butylbenzene	ND	2200	ug/kg	
135-98-8	sec-Butylbenzene	ND	2200	ug/kg	
98-06-6	tert-Butylbenzene	ND	2200	ug/kg	
75-15-0	Carbon disulfide	ND	2200	ug/kg	
56-23-5	Carbon tetrachloride	ND	860	ug/kg	
108-90-7	Chlorobenzene	ND	860	ug/kg	
75-00-3	Chloroethane	ND	2200	ug/kg	
67-66-3	Chloroform	ND	860	ug/kg	
74-87-3	Chloromethane	ND	2200	ug/kg	
95-49-8	o-Chlorotoluene	ND	2200	ug/kg	
106-43-4	p-Chlorotoluene	ND	2200	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2200	ug/kg	
124-48-1	Dibromochloromethane	ND	860	ug/kg	
106-93-4	1,2-Dibromoethane	ND	860	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	860	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	860	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	860	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	860	ug/kg	
75-34-3	1,1-Dichloroethane	ND	860	ug/kg	
107-06-2	1,2-Dichloroethane	ND	860	ug/kg	
75-35-4	1,1-Dichloroethene	ND	860	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	860	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	860	ug/kg	
78-87-5	1,2-Dichloropropane	ND	860	ug/kg	

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	2200	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2200	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2200	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	860	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	860	ug/kg	
100-41-4	Ethylbenzene	ND	860	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2200	ug/kg	
591-78-6	2-Hexanone	ND	4300	ug/kg	
74-88-4	Iodomethane	ND	2200	ug/kg	
98-82-8	Isopropylbenzene	ND	2200	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	860	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2200	ug/kg	
74-95-3	Methylene bromide	ND	2200	ug/kg	
75-09-2	Methylene chloride	ND	860	ug/kg	
91-20-3	Naphthalene	18000	2200	ug/kg	
103-65-1	n-Propylbenzene	ND	2200	ug/kg	
100-42-5	Styrene	4170	2200	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2200	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	860	ug/kg	
127-18-4	Tetrachloroethene	ND	860	ug/kg	
108-88-3	Toluene	9060	2200	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	2780	2200	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	860	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	860	ug/kg	
79-01-6	Trichloroethene	ND	860	ug/kg	
75-69-4	Trichlorofluoromethane	ND	860	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2200	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2200	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2200	ug/kg	
108-05-4	Vinyl Acetate	ND	2200	ug/kg	
75-01-4	Vinyl chloride	ND	860	ug/kg	
	m,p-Xylene	4750	860	ug/kg	
95-47-6	o-Xylene	1240	860	ug/kg	
1330-20-7	Xylene (total)	5980	860	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%

ND = Not detected
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	75.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	112%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) Elevated RL due to sample matrix.

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01719.D	200	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	130000	ug/kg	
95-57-8	2-Chlorophenol	ND	64000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	130000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	130000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	130000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	260000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	130000	ug/kg	
95-48-7	2-Methylphenol	ND	130000	ug/kg	
	3&4-Methylphenol	ND	130000	ug/kg	
88-75-5	2-Nitrophenol	ND	130000	ug/kg	
100-02-7	4-Nitrophenol	ND	260000	ug/kg	
87-86-5	Pentachlorophenol	ND	130000	ug/kg	
108-95-2	Phenol	ND	64000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	130000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	130000	ug/kg	
83-32-9	Acenaphthene	ND	26000	ug/kg	
208-96-8	Acenaphthylene	40200	26000	ug/kg	
62-53-3	Aniline	ND	130000	ug/kg	
120-12-7	Anthracene	ND	26000	ug/kg	
92-87-5	Benzidine	ND	260000	ug/kg	
56-55-3	Benzo(a)anthracene	42800	26000	ug/kg	
50-32-8	Benzo(a)pyrene	27400	26000	ug/kg	
205-99-2	Benzo(b)fluoranthene	55300	26000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	26000	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	26000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64000	ug/kg	
100-51-6	Benzyl Alcohol	ND	130000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64000	ug/kg	
106-47-8	4-Chloroaniline	ND	130000	ug/kg	
86-74-8	Carbazole	ND	26000	ug/kg	
218-01-9	Chrysene	34700	26000	ug/kg	

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	64000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	64000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	64000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	64000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	64000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	130000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	130000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	64000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	26000	ug/kg	
132-64-9	Dibenzofuran	ND	26000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64000	ug/kg	
84-66-2	Diethyl phthalate	ND	64000	ug/kg	
131-11-3	Dimethyl phthalate	ND	64000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64000	ug/kg	
206-44-0	Fluoranthene	53200	26000	ug/kg	
86-73-7	Fluorene	ND	26000	ug/kg	
118-74-1	Hexachlorobenzene	ND	64000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	64000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	130000	ug/kg	
67-72-1	Hexachloroethane	ND	64000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	26000	ug/kg	
78-59-1	Isophorone	ND	64000	ug/kg	
90-12-0	1-Methylnaphthalene	ND	64000	ug/kg	
91-57-6	2-Methylnaphthalene	47700	26000	ug/kg	
88-74-4	2-Nitroaniline	ND	130000	ug/kg	
99-09-2	3-Nitroaniline	ND	130000	ug/kg	
100-01-6	4-Nitroaniline	ND	130000	ug/kg	
91-20-3	Naphthalene	56100	26000	ug/kg	
98-95-3	Nitrobenzene	ND	64000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	64000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	64000	ug/kg	
85-01-8	Phenanthrene	29900	26000	ug/kg	
129-00-0	Pyrene	122000	26000	ug/kg	
110-86-1	Pyridine	ND	130000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	64000	ug/kg	

ND = Not detected
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	75.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-130%
4165-62-2	Phenol-d5	52%		30-130%
118-79-6	2,4,6-Tribromophenol	35%		30-130%
4165-60-0	Nitrobenzene-d5	33%		30-130%
321-60-8	2-Fluorobiphenyl	62%		30-130%
1718-51-0	Terphenyl-d14	110%		30-130%

ND = Not detected
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	75.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83347.D	1	04/27/14	AF	n/a	n/a	GAB4414
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.30 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	32.5	22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	100%		61-116%

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89705.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	43	ug/kg	
11104-28-2	Aroclor 1221	ND	43	ug/kg	
11141-16-5	Aroclor 1232	ND	43	ug/kg	
53469-21-9	Aroclor 1242	ND	43	ug/kg	
12672-29-6	Aroclor 1248	ND	43	ug/kg	
11097-69-1	Aroclor 1254	ND	43	ug/kg	
11096-82-5	Aroclor 1260	ND	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		30-150%
877-09-8	Tetrachloro-m-xylene	44%		30-150%
2051-24-3	Decachlorobiphenyl	97%		30-150%
2051-24-3	Decachlorobiphenyl	99%		30-150%

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660848.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	9660	210	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	52%		40-140%

ND = Not detected
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	75.7
Project:	Former MGP Site, Claremont, NH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	1.9	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	17.9	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	104	5.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.41	0.41	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.41	0.41	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	31.5	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	204	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.25	0.037	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	16.0	4.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium [a]	< 2.1	2.1	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 1.5	1.5	mg/kg	3	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Sulfur	7440	52	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	54.1	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	68.8	2.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-23		
Lab Sample ID:	MC30024-10	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	75.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	17.5	0.66	mg/kg	5	04/26/14 13:56	MA	SW846 9012 M
Heat Content, BTU [a]	5210	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.76	0.17	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	75.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-22		
Lab Sample ID:	MC30024-11	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137230.D	1	05/05/14	JM	n/a	n/a	MSG5252
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1200	ug/kg	
71-43-2	Benzene	138	61	ug/kg	
108-86-1	Bromobenzene	ND	610	ug/kg	
74-97-5	Bromochloromethane	ND	610	ug/kg	
75-27-4	Bromodichloromethane	ND	240	ug/kg	
75-25-2	Bromoform	ND	240	ug/kg	
74-83-9	Bromomethane	ND	240	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1200	ug/kg	
104-51-8	n-Butylbenzene	ND	610	ug/kg	
135-98-8	sec-Butylbenzene	ND	610	ug/kg	
98-06-6	tert-Butylbenzene	ND	610	ug/kg	
75-15-0	Carbon disulfide	ND	610	ug/kg	
56-23-5	Carbon tetrachloride	ND	240	ug/kg	
108-90-7	Chlorobenzene	ND	240	ug/kg	
75-00-3	Chloroethane	ND	610	ug/kg	
67-66-3	Chloroform	ND	240	ug/kg	
74-87-3	Chloromethane	ND	610	ug/kg	
95-49-8	o-Chlorotoluene	ND	610	ug/kg	
106-43-4	p-Chlorotoluene	ND	610	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	610	ug/kg	
124-48-1	Dibromochloromethane	ND	240	ug/kg	
106-93-4	1,2-Dibromoethane	ND	240	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	240	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	240	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	240	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	240	ug/kg	
75-34-3	1,1-Dichloroethane	ND	240	ug/kg	
107-06-2	1,2-Dichloroethane	ND	240	ug/kg	
75-35-4	1,1-Dichloroethene	ND	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	240	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	240	ug/kg	
78-87-5	1,2-Dichloropropane	ND	240	ug/kg	

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	610	ug/kg	
594-20-7	2,2-Dichloropropane	ND	610	ug/kg	
563-58-6	1,1-Dichloropropene	ND	610	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	240	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	240	ug/kg	
100-41-4	Ethylbenzene	ND	240	ug/kg	
87-68-3	Hexachlorobutadiene	ND	610	ug/kg	
591-78-6	2-Hexanone	ND	1200	ug/kg	
74-88-4	Iodomethane	ND	610	ug/kg	
98-82-8	Isopropylbenzene	ND	610	ug/kg	
99-87-6	p-Isopropyltoluene	ND	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	240	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	610	ug/kg	
74-95-3	Methylene bromide	ND	610	ug/kg	
75-09-2	Methylene chloride	ND	240	ug/kg	
91-20-3	Naphthalene	ND	610	ug/kg	
103-65-1	n-Propylbenzene	ND	610	ug/kg	
100-42-5	Styrene	ND	610	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	610	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	240	ug/kg	
127-18-4	Tetrachloroethene	ND	240	ug/kg	
108-88-3	Toluene	ND	610	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	610	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	610	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	240	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	240	ug/kg	
79-01-6	Trichloroethene	ND	240	ug/kg	
75-69-4	Trichlorofluoromethane	ND	240	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	610	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	610	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	610	ug/kg	
108-05-4	Vinyl Acetate	ND	610	ug/kg	
75-01-4	Vinyl chloride	ND	240	ug/kg	
	m,p-Xylene	ND	240	ug/kg	
95-47-6	o-Xylene	ND	240	ug/kg	
1330-20-7	Xylene (total)	ND	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%

ND = Not detected
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:	CLMT-SB-22		
Lab Sample ID:	MC30024-11	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	120%		70-130%
460-00-4	4-Bromofluorobenzene	118%		70-130%

(a) Elevated RL due to sample matrix.

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01720.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	58000	ug/kg	
95-57-8	2-Chlorophenol	ND	29000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	58000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	58000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	58000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	120000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	58000	ug/kg	
95-48-7	2-Methylphenol	ND	58000	ug/kg	
	3&4-Methylphenol	ND	58000	ug/kg	
88-75-5	2-Nitrophenol	ND	58000	ug/kg	
100-02-7	4-Nitrophenol	ND	120000	ug/kg	
87-86-5	Pentachlorophenol	ND	58000	ug/kg	
108-95-2	Phenol	ND	29000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	58000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	58000	ug/kg	
83-32-9	Acenaphthene	ND	12000	ug/kg	
208-96-8	Acenaphthylene	17400	12000	ug/kg	
62-53-3	Aniline	ND	58000	ug/kg	
120-12-7	Anthracene	ND	12000	ug/kg	
92-87-5	Benzidine	ND	120000	ug/kg	
56-55-3	Benzo(a)anthracene	37200	12000	ug/kg	
50-32-8	Benzo(a)pyrene	46100	12000	ug/kg	
205-99-2	Benzo(b)fluoranthene	56500	12000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	26900	12000	ug/kg	
207-08-9	Benzo(k)fluoranthene	17000	12000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	29000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	29000	ug/kg	
100-51-6	Benzyl Alcohol	ND	58000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	29000	ug/kg	
106-47-8	4-Chloroaniline	ND	58000	ug/kg	
86-74-8	Carbazole	ND	12000	ug/kg	
218-01-9	Chrysene	29400	12000	ug/kg	

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	29000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	29000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	29000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	29000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	29000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	29000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	29000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	29000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	58000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	58000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	29000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	12000	ug/kg	
132-64-9	Dibenzofuran	ND	12000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	29000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	29000	ug/kg	
84-66-2	Diethyl phthalate	ND	29000	ug/kg	
131-11-3	Dimethyl phthalate	ND	29000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	29000	ug/kg	
206-44-0	Fluoranthene	53000	12000	ug/kg	
86-73-7	Fluorene	ND	12000	ug/kg	
118-74-1	Hexachlorobenzene	ND	29000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	58000	ug/kg	
67-72-1	Hexachloroethane	ND	29000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	21100	12000	ug/kg	
78-59-1	Isophorone	ND	29000	ug/kg	
90-12-0	1-Methylnaphthalene	ND	29000	ug/kg	
91-57-6	2-Methylnaphthalene	ND	12000	ug/kg	
88-74-4	2-Nitroaniline	ND	58000	ug/kg	
99-09-2	3-Nitroaniline	ND	58000	ug/kg	
100-01-6	4-Nitroaniline	ND	58000	ug/kg	
91-20-3	Naphthalene	ND	12000	ug/kg	
98-95-3	Nitrobenzene	ND	29000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	29000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	29000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	29000	ug/kg	
85-01-8	Phenanthrene	38600	12000	ug/kg	
129-00-0	Pyrene	84600	12000	ug/kg	
110-86-1	Pyridine	ND	58000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	29000	ug/kg	

ND = Not detected
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:	CLMT-SB-22		
Lab Sample ID:	MC30024-11	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		30-130%
4165-62-2	Phenol-d5	68%		30-130%
118-79-6	2,4,6-Tribromophenol	51%		30-130%
4165-60-0	Nitrobenzene-d5	69%		30-130%
321-60-8	2-Fluorobiphenyl	84%		30-130%
1718-51-0	Terphenyl-d14	121%		30-130%

ND = Not detected
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:	CLMT-SB-22		
Lab Sample ID:	MC30024-11	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83332.D	1	04/27/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	97%		61-116%

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89706.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	38	ug/kg	
11104-28-2	Aroclor 1221	ND	38	ug/kg	
11141-16-5	Aroclor 1232	ND	38	ug/kg	
53469-21-9	Aroclor 1242	ND	38	ug/kg	
12672-29-6	Aroclor 1248	ND	38	ug/kg	
11097-69-1	Aroclor 1254	ND	38	ug/kg	
11096-82-5	Aroclor 1260	ND	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		30-150%
877-09-8	Tetrachloro-m-xylene	64%		30-150%
2051-24-3	Decachlorobiphenyl	118%		30-150%
2051-24-3	Decachlorobiphenyl	123%		30-150%

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660824.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	1600	200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		40-140%

ND = Not detected
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: CLMT-SB-22
Lab Sample ID: MC30024-11
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 84.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.96	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	11.2	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	48.7	4.8	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.38	0.38	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.64	0.38	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	25.8	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	69.8	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.14	0.036	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	15.1	3.8	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium [a]	< 1.9	1.9	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 0.96	0.96	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Sulfur	1880	9.6	mg/kg	2	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 0.96	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	75.2	0.96	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	184	1.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-22		
Lab Sample ID:	MC30024-11	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	84.8
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	9.8	0.66	mg/kg	5	04/26/14 13:57	MA	SW846 9012 M
Heat Content, BTU [a]	1530	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.22	0.15	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	84.8		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137231.D	1	05/05/14	JM	n/a	n/a	MSG5252
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.07 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	2000	ug/kg	
71-43-2	Benzene	ND	100	ug/kg	
108-86-1	Bromobenzene	ND	1000	ug/kg	
74-97-5	Bromochloromethane	ND	1000	ug/kg	
75-27-4	Bromodichloromethane	ND	410	ug/kg	
75-25-2	Bromoform	ND	410	ug/kg	
74-83-9	Bromomethane	ND	410	ug/kg	
78-93-3	2-Butanone (MEK)	ND	2000	ug/kg	
104-51-8	n-Butylbenzene	ND	1000	ug/kg	
135-98-8	sec-Butylbenzene	ND	1000	ug/kg	
98-06-6	tert-Butylbenzene	ND	1000	ug/kg	
75-15-0	Carbon disulfide	ND	1000	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	ug/kg	
108-90-7	Chlorobenzene	ND	410	ug/kg	
75-00-3	Chloroethane	ND	1000	ug/kg	
67-66-3	Chloroform	ND	410	ug/kg	
74-87-3	Chloromethane	ND	1000	ug/kg	
95-49-8	o-Chlorotoluene	ND	1000	ug/kg	
106-43-4	p-Chlorotoluene	ND	1000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	ug/kg	
124-48-1	Dibromochloromethane	ND	410	ug/kg	
106-93-4	1,2-Dibromoethane	ND	410	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	410	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	410	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	410	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	410	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	ug/kg	
107-06-2	1,2-Dichloroethane	ND	410	ug/kg	
75-35-4	1,1-Dichloroethene	ND	410	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	410	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	410	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	ug/kg	

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	ug/kg	
100-41-4	Ethylbenzene	ND	410	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1000	ug/kg	
591-78-6	2-Hexanone	ND	2000	ug/kg	
74-88-4	Iodomethane	ND	1000	ug/kg	
98-82-8	Isopropylbenzene	ND	1000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	410	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1000	ug/kg	
74-95-3	Methylene bromide	ND	1000	ug/kg	
75-09-2	Methylene chloride	ND	410	ug/kg	
91-20-3	Naphthalene	ND	1000	ug/kg	
103-65-1	n-Propylbenzene	ND	1000	ug/kg	
100-42-5	Styrene	ND	1000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	ug/kg	
127-18-4	Tetrachloroethene	ND	410	ug/kg	
108-88-3	Toluene	ND	1000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	410	ug/kg	
79-01-6	Trichloroethene	ND	410	ug/kg	
75-69-4	Trichlorofluoromethane	ND	410	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1000	ug/kg	
108-05-4	Vinyl Acetate	ND	1000	ug/kg	
75-01-4	Vinyl chloride	ND	410	ug/kg	
	m,p-Xylene	ND	410	ug/kg	
95-47-6	o-Xylene	ND	410	ug/kg	
1330-20-7	Xylene (total)	ND	410	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	117%		70-130%
460-00-4	4-Bromofluorobenzene	116%		70-130%

(a) Elevated RL due to sample matrix.

ND = Not detected
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: CLMT-SED-1
Lab Sample ID: MC30024-12
Matrix: SO - Sediment
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 58.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01721.D	10	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	8400	ug/kg	
95-57-8	2-Chlorophenol	ND	4200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	8400	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	8400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	8400	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	17000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	8400	ug/kg	
95-48-7	2-Methylphenol	ND	8400	ug/kg	
	3&4-Methylphenol	ND	8400	ug/kg	
88-75-5	2-Nitrophenol	ND	8400	ug/kg	
100-02-7	4-Nitrophenol	ND	17000	ug/kg	
87-86-5	Pentachlorophenol	ND	8400	ug/kg	
108-95-2	Phenol	ND	4200	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	8400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	8400	ug/kg	
83-32-9	Acenaphthene	ND	1700	ug/kg	
208-96-8	Acenaphthylene	ND	1700	ug/kg	
62-53-3	Aniline	ND	8400	ug/kg	
120-12-7	Anthracene	ND	1700	ug/kg	
92-87-5	Benzidine	ND	17000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	1700	ug/kg	
50-32-8	Benzo(a)pyrene	ND	1700	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	1700	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1700	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	1700	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	4200	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	4200	ug/kg	
100-51-6	Benzyl Alcohol	ND	8400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	4200	ug/kg	
106-47-8	4-Chloroaniline	ND	8400	ug/kg	
86-74-8	Carbazole	ND	1700	ug/kg	
218-01-9	Chrysene	ND	1700	ug/kg	

ND = Not detected
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: CLMT-SED-1
Lab Sample ID: MC30024-12
Matrix: SO - Sediment
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 58.4

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	4200	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	4200	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4200	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4200	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	4200	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	4200	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	4200	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	4200	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	8400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	8400	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	4200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1700	ug/kg	
132-64-9	Dibenzofuran	ND	1700	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	4200	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	4200	ug/kg	
84-66-2	Diethyl phthalate	ND	4200	ug/kg	
131-11-3	Dimethyl phthalate	ND	4200	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4200	ug/kg	
206-44-0	Fluoranthene	ND	1700	ug/kg	
86-73-7	Fluorene	ND	1700	ug/kg	
118-74-1	Hexachlorobenzene	ND	4200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4200	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	8400	ug/kg	
67-72-1	Hexachloroethane	ND	4200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1700	ug/kg	
78-59-1	Isophorone	ND	4200	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4200	ug/kg	
91-57-6	2-Methylnaphthalene	ND	1700	ug/kg	
88-74-4	2-Nitroaniline	ND	8400	ug/kg	
99-09-2	3-Nitroaniline	ND	8400	ug/kg	
100-01-6	4-Nitroaniline	ND	8400	ug/kg	
91-20-3	Naphthalene	ND	1700	ug/kg	
98-95-3	Nitrobenzene	ND	4200	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	4200	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	4200	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	4200	ug/kg	
85-01-8	Phenanthrene	ND	1700	ug/kg	
129-00-0	Pyrene	ND	1700	ug/kg	
110-86-1	Pyridine	ND	8400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4200	ug/kg	

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		30-130%
4165-62-2	Phenol-d5	43%		30-130%
118-79-6	2,4,6-Tribromophenol	38%		30-130%
4165-60-0	Nitrobenzene-d5	36%		30-130%
321-60-8	2-Fluorobiphenyl	58%		30-130%
1718-51-0	Terphenyl-d14	90%		30-130%

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83333.D	1	04/27/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.07 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	97%		61-116%

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89707.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	56	ug/kg	
11104-28-2	Aroclor 1221	ND	56	ug/kg	
11141-16-5	Aroclor 1232	ND	56	ug/kg	
53469-21-9	Aroclor 1242	ND	56	ug/kg	
12672-29-6	Aroclor 1248	ND	56	ug/kg	
11097-69-1	Aroclor 1254	ND	56	ug/kg	
11096-82-5	Aroclor 1260	ND	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%
2051-24-3	Decachlorobiphenyl	113%		30-150%

ND = Not detected
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: CLMT-SED-1
Lab Sample ID: MC30024-12
Matrix: SO - Sediment
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 58.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660810.D	1	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	166	27	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		40-140%

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
		Percent Solids:	58.4
Project:	Former MGP Site, Claremont, NH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Arsenic	7.4	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	40.2	6.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Beryllium	< 0.49	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.49	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	14.6	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	11.5	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	< 0.038	0.038	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.2	4.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Sulfur	749	6.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Vanadium	28.0	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Zinc	61.0	2.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Prep QC Batch: MP22972
(4) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SED-1		
Lab Sample ID:	MC30024-12	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
		Percent Solids:	58.4
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.19	0.19	mg/kg	1	04/26/14 13:44	MA	SW846 9012 M
Heat Content, BTU [a]	621	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.16	0.14	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	58.4		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137232.D	1	05/05/14	JM	n/a	n/a	MSG5252
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.53 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1100	ug/kg	
71-43-2	Benzene	629	57	ug/kg	
108-86-1	Bromobenzene	ND	570	ug/kg	
74-97-5	Bromochloromethane	ND	570	ug/kg	
75-27-4	Bromodichloromethane	ND	230	ug/kg	
75-25-2	Bromoform	ND	230	ug/kg	
74-83-9	Bromomethane	ND	230	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1100	ug/kg	
104-51-8	n-Butylbenzene	ND	570	ug/kg	
135-98-8	sec-Butylbenzene	ND	570	ug/kg	
98-06-6	tert-Butylbenzene	ND	570	ug/kg	
75-15-0	Carbon disulfide	ND	570	ug/kg	
56-23-5	Carbon tetrachloride	ND	230	ug/kg	
108-90-7	Chlorobenzene	ND	230	ug/kg	
75-00-3	Chloroethane	ND	570	ug/kg	
67-66-3	Chloroform	ND	230	ug/kg	
74-87-3	Chloromethane	ND	570	ug/kg	
95-49-8	o-Chlorotoluene	ND	570	ug/kg	
106-43-4	p-Chlorotoluene	ND	570	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	570	ug/kg	
124-48-1	Dibromochloromethane	ND	230	ug/kg	
106-93-4	1,2-Dibromoethane	ND	230	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	230	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	230	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	230	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	230	ug/kg	
75-34-3	1,1-Dichloroethane	ND	230	ug/kg	
107-06-2	1,2-Dichloroethane	ND	230	ug/kg	
75-35-4	1,1-Dichloroethene	ND	230	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	230	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	230	ug/kg	
78-87-5	1,2-Dichloropropane	ND	230	ug/kg	

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	570	ug/kg	
594-20-7	2,2-Dichloropropane	ND	570	ug/kg	
563-58-6	1,1-Dichloropropene	ND	570	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	230	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	230	ug/kg	
100-41-4	Ethylbenzene	ND	230	ug/kg	
87-68-3	Hexachlorobutadiene	ND	570	ug/kg	
591-78-6	2-Hexanone	ND	1100	ug/kg	
74-88-4	Iodomethane	ND	570	ug/kg	
98-82-8	Isopropylbenzene	ND	570	ug/kg	
99-87-6	p-Isopropyltoluene	ND	570	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	230	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	570	ug/kg	
74-95-3	Methylene bromide	ND	570	ug/kg	
75-09-2	Methylene chloride	ND	230	ug/kg	
91-20-3	Naphthalene	2500	570	ug/kg	
103-65-1	n-Propylbenzene	ND	570	ug/kg	
100-42-5	Styrene	587	570	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	570	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	230	ug/kg	
127-18-4	Tetrachloroethene	ND	230	ug/kg	
108-88-3	Toluene	1540	570	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	570	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	570	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	230	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	230	ug/kg	
79-01-6	Trichloroethene	ND	230	ug/kg	
75-69-4	Trichlorofluoromethane	ND	230	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	570	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	570	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	570	ug/kg	
108-05-4	Vinyl Acetate	ND	570	ug/kg	
75-01-4	Vinyl chloride	ND	230	ug/kg	
	m,p-Xylene	700	230	ug/kg	
95-47-6	o-Xylene	ND	230	ug/kg	
1330-20-7	Xylene (total)	904	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%

ND = Not detected
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	98.0
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	114%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01722.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	49000	ug/kg	
95-57-8	2-Chlorophenol	ND	25000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	49000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	49000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	49000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	99000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	49000	ug/kg	
95-48-7	2-Methylphenol	ND	49000	ug/kg	
	3&4-Methylphenol	ND	49000	ug/kg	
88-75-5	2-Nitrophenol	ND	49000	ug/kg	
100-02-7	4-Nitrophenol	ND	99000	ug/kg	
87-86-5	Pentachlorophenol	ND	49000	ug/kg	
108-95-2	Phenol	ND	25000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	49000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	49000	ug/kg	
83-32-9	Acenaphthene	ND	9900	ug/kg	
208-96-8	Acenaphthylene	20500	9900	ug/kg	
62-53-3	Aniline	ND	49000	ug/kg	
120-12-7	Anthracene	ND	9900	ug/kg	
92-87-5	Benzidine	ND	99000	ug/kg	
56-55-3	Benzo(a)anthracene	27100	9900	ug/kg	
50-32-8	Benzo(a)pyrene	36000	9900	ug/kg	
205-99-2	Benzo(b)fluoranthene	54100	9900	ug/kg	
191-24-2	Benzo(g,h,i)perylene	26200	9900	ug/kg	
207-08-9	Benzo(k)fluoranthene	17700	9900	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	25000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	25000	ug/kg	
100-51-6	Benzyl Alcohol	ND	49000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	25000	ug/kg	
106-47-8	4-Chloroaniline	ND	49000	ug/kg	
86-74-8	Carbazole	ND	9900	ug/kg	
218-01-9	Chrysene	21100	9900	ug/kg	

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	25000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	25000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	25000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	25000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	25000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	25000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	25000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	25000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	49000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	49000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	25000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	9900	ug/kg	
132-64-9	Dibenzofuran	ND	9900	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	25000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	25000	ug/kg	
84-66-2	Diethyl phthalate	ND	25000	ug/kg	
131-11-3	Dimethyl phthalate	ND	25000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	25000	ug/kg	
206-44-0	Fluoranthene	25600	9900	ug/kg	
86-73-7	Fluorene	ND	9900	ug/kg	
118-74-1	Hexachlorobenzene	ND	25000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	25000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	49000	ug/kg	
67-72-1	Hexachloroethane	ND	25000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	21200	9900	ug/kg	
78-59-1	Isophorone	ND	25000	ug/kg	
90-12-0	1-Methylnaphthalene	ND	25000	ug/kg	
91-57-6	2-Methylnaphthalene	ND	9900	ug/kg	
88-74-4	2-Nitroaniline	ND	49000	ug/kg	
99-09-2	3-Nitroaniline	ND	49000	ug/kg	
100-01-6	4-Nitroaniline	ND	49000	ug/kg	
91-20-3	Naphthalene	ND	9900	ug/kg	
98-95-3	Nitrobenzene	ND	25000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	25000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	25000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	25000	ug/kg	
85-01-8	Phenanthrene	ND	9900	ug/kg	
129-00-0	Pyrene	72900	9900	ug/kg	
110-86-1	Pyridine	ND	49000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	25000	ug/kg	

ND = Not detected
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	98.0
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-130%
4165-62-2	Phenol-d5	61%		30-130%
118-79-6	2,4,6-Tribromophenol	44%		30-130%
4165-60-0	Nitrobenzene-d5	47%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	106%		30-130%

ND = Not detected
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	98.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83346.D	1	04/27/14	AF	n/a	n/a	GAB4414
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.53 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	101%		61-116%

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89692.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	ND	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		30-150%
877-09-8	Tetrachloro-m-xylene	74%		30-150%
2051-24-3	Decachlorobiphenyl	112%		30-150%
2051-24-3	Decachlorobiphenyl	129%		30-150%

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660842.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	2670	170	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		40-140%

ND = Not detected
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: CLMT-SB-21
Lab Sample ID: MC30024-13
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 98.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.89	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	13.1	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	68.2	4.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.35	0.35	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.35	0.35	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	23.3	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	104	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.39	0.033	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	13.1	3.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.89	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.44	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	2430	22	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 0.89	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	48.5	0.89	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	92.9	1.8	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-21		
Lab Sample ID:	MC30024-13	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	98.0
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	4.3	0.12	mg/kg	1	04/26/14 13:45	MA	SW846 9012 M
Heat Content, BTU [a]	1440	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.19	0.13	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	98		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137233.D	1	05/05/14	JM	n/a	n/a	MSG5252
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.83 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1800	ug/kg	
71-43-2	Benzene	576	89	ug/kg	
108-86-1	Bromobenzene	ND	890	ug/kg	
74-97-5	Bromochloromethane	ND	890	ug/kg	
75-27-4	Bromodichloromethane	ND	350	ug/kg	
75-25-2	Bromoform	ND	350	ug/kg	
74-83-9	Bromomethane	ND	350	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1800	ug/kg	
104-51-8	n-Butylbenzene	ND	890	ug/kg	
135-98-8	sec-Butylbenzene	ND	890	ug/kg	
98-06-6	tert-Butylbenzene	ND	890	ug/kg	
75-15-0	Carbon disulfide	ND	890	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	ug/kg	
108-90-7	Chlorobenzene	ND	350	ug/kg	
75-00-3	Chloroethane	ND	890	ug/kg	
67-66-3	Chloroform	ND	350	ug/kg	
74-87-3	Chloromethane	ND	890	ug/kg	
95-49-8	o-Chlorotoluene	ND	890	ug/kg	
106-43-4	p-Chlorotoluene	ND	890	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	890	ug/kg	
124-48-1	Dibromochloromethane	ND	350	ug/kg	
106-93-4	1,2-Dibromoethane	ND	350	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	350	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	350	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	350	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	350	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	ug/kg	
75-35-4	1,1-Dichloroethene	ND	350	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	350	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	350	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	ug/kg	

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	890	ug/kg	
594-20-7	2,2-Dichloropropane	ND	890	ug/kg	
563-58-6	1,1-Dichloropropene	ND	890	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	ug/kg	
100-41-4	Ethylbenzene	ND	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND	890	ug/kg	
591-78-6	2-Hexanone	ND	1800	ug/kg	
74-88-4	Iodomethane	ND	890	ug/kg	
98-82-8	Isopropylbenzene	ND	890	ug/kg	
99-87-6	p-Isopropyltoluene	ND	890	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	890	ug/kg	
74-95-3	Methylene bromide	ND	890	ug/kg	
75-09-2	Methylene chloride	ND	350	ug/kg	
91-20-3	Naphthalene	11300	890	ug/kg	
103-65-1	n-Propylbenzene	ND	890	ug/kg	
100-42-5	Styrene	ND	890	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	890	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	ug/kg	
127-18-4	Tetrachloroethene	ND	350	ug/kg	
108-88-3	Toluene	ND	890	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	890	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	890	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	ug/kg	
79-01-6	Trichloroethene	ND	350	ug/kg	
75-69-4	Trichlorofluoromethane	ND	350	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	890	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	890	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	890	ug/kg	
108-05-4	Vinyl Acetate	ND	890	ug/kg	
75-01-4	Vinyl chloride	ND	350	ug/kg	
	m,p-Xylene	454	350	ug/kg	
95-47-6	o-Xylene	ND	350	ug/kg	
1330-20-7	Xylene (total)	605	350	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%

ND = Not detected
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:	CLMT-SB-1		
Lab Sample ID:	MC30024-14	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	67.6
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	115%		70-130%
460-00-4	4-Bromofluorobenzene	113%		70-130%

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01723.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	71000	ug/kg	
95-57-8	2-Chlorophenol	ND	35000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	71000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	71000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	71000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	140000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	71000	ug/kg	
95-48-7	2-Methylphenol	ND	71000	ug/kg	
	3&4-Methylphenol	ND	71000	ug/kg	
88-75-5	2-Nitrophenol	ND	71000	ug/kg	
100-02-7	4-Nitrophenol	ND	140000	ug/kg	
87-86-5	Pentachlorophenol	ND	71000	ug/kg	
108-95-2	Phenol	ND	35000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	71000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	71000	ug/kg	
83-32-9	Acenaphthene	83000	14000	ug/kg	
208-96-8	Acenaphthylene	35500	14000	ug/kg	
62-53-3	Aniline	ND	71000	ug/kg	
120-12-7	Anthracene	201000	14000	ug/kg	
92-87-5	Benzidine	ND	140000	ug/kg	
56-55-3	Benzo(a)anthracene	83900	14000	ug/kg	
50-32-8	Benzo(a)pyrene	73100	14000	ug/kg	
205-99-2	Benzo(b)fluoranthene	63200	14000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	24000	14000	ug/kg	
207-08-9	Benzo(k)fluoranthene	22100	14000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	35000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	35000	ug/kg	
100-51-6	Benzyl Alcohol	ND	71000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	35000	ug/kg	
106-47-8	4-Chloroaniline	ND	71000	ug/kg	
86-74-8	Carbazole	ND	14000	ug/kg	
218-01-9	Chrysene	61800	14000	ug/kg	

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	35000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	35000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	35000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	35000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	35000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	35000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	35000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	35000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	35000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	14000	ug/kg	
132-64-9	Dibenzofuran	ND	14000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	35000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	35000	ug/kg	
84-66-2	Diethyl phthalate	ND	35000	ug/kg	
131-11-3	Dimethyl phthalate	ND	35000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	35000	ug/kg	
206-44-0	Fluoranthene	146000	14000	ug/kg	
86-73-7	Fluorene	87200	14000	ug/kg	
118-74-1	Hexachlorobenzene	ND	35000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	71000	ug/kg	
67-72-1	Hexachloroethane	ND	35000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19400	14000	ug/kg	
78-59-1	Isophorone	ND	35000	ug/kg	
90-12-0	1-Methylnaphthalene	42900	35000	ug/kg	
91-57-6	2-Methylnaphthalene	ND	14000	ug/kg	
88-74-4	2-Nitroaniline	ND	71000	ug/kg	
99-09-2	3-Nitroaniline	ND	71000	ug/kg	
100-01-6	4-Nitroaniline	ND	71000	ug/kg	
91-20-3	Naphthalene	ND	14000	ug/kg	
98-95-3	Nitrobenzene	ND	35000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	35000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	35000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	35000	ug/kg	
85-01-8	Phenanthrene	382000	14000	ug/kg	
129-00-0	Pyrene	272000	14000	ug/kg	
110-86-1	Pyridine	ND	71000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	35000	ug/kg	

ND = Not detected
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:	CLMT-SB-1		
Lab Sample ID:	MC30024-14	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	67.6
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-130%
4165-62-2	Phenol-d5	45%		30-130%
118-79-6	2,4,6-Tribromophenol	36%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	76%		30-130%
1718-51-0	Terphenyl-d14	104%		30-130%

ND = Not detected
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:	CLMT-SB-1		
Lab Sample ID:	MC30024-14	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	67.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83328.D	1	04/27/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.83 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	30.1	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	100%		61-116%

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89716.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	48	ug/kg	
11104-28-2	Aroclor 1221	ND	48	ug/kg	
11141-16-5	Aroclor 1232	ND	48	ug/kg	
53469-21-9	Aroclor 1242	ND	48	ug/kg	
12672-29-6	Aroclor 1248	ND	48	ug/kg	
11097-69-1	Aroclor 1254	ND	48	ug/kg	
11096-82-5	Aroclor 1260	ND	48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	175% [a]		30-150%
877-09-8	Tetrachloro-m-xylene	41%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%
2051-24-3	Decachlorobiphenyl	120%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660832.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	7590	230	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		40-140%

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	6.6	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	77.3	5.5	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.44	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.55	0.44	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	25.0	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	47.3	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.14	0.036	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	15.7	4.4	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	2830	28	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	37.9	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	71.9	2.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-1		
Lab Sample ID:	MC30024-14	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	67.6
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.41	0.18	mg/kg	1	04/26/14 13:49	MA	SW846 9012 M
Heat Content, BTU [a]	1780	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.27	0.12	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	67.6		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137195.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	10.0 ml	5.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	27000	ug/kg	
71-43-2	Benzene	ND	1300	ug/kg	
108-86-1	Bromobenzene	ND	13000	ug/kg	
74-97-5	Bromochloromethane	ND	13000	ug/kg	
75-27-4	Bromodichloromethane	ND	5400	ug/kg	
75-25-2	Bromoform	ND	5400	ug/kg	
74-83-9	Bromomethane	ND	5400	ug/kg	
78-93-3	2-Butanone (MEK)	ND	27000	ug/kg	
104-51-8	n-Butylbenzene	ND	13000	ug/kg	
135-98-8	sec-Butylbenzene	ND	13000	ug/kg	
98-06-6	tert-Butylbenzene	ND	13000	ug/kg	
75-15-0	Carbon disulfide	ND	13000	ug/kg	
56-23-5	Carbon tetrachloride	ND	5400	ug/kg	
108-90-7	Chlorobenzene	ND	5400	ug/kg	
75-00-3	Chloroethane	ND	13000	ug/kg	
67-66-3	Chloroform	ND	5400	ug/kg	
74-87-3	Chloromethane	ND	13000	ug/kg	
95-49-8	o-Chlorotoluene	ND	13000	ug/kg	
106-43-4	p-Chlorotoluene	ND	13000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13000	ug/kg	
124-48-1	Dibromochloromethane	ND	5400	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5400	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5400	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5400	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5400	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5400	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5400	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5400	ug/kg	

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	13000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	13000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	13000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5400	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5400	ug/kg	
100-41-4	Ethylbenzene	18000	5400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	13000	ug/kg	
591-78-6	2-Hexanone	ND	27000	ug/kg	
74-88-4	Iodomethane	ND	13000	ug/kg	
98-82-8	Isopropylbenzene	ND	13000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	13000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5400	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13000	ug/kg	
74-95-3	Methylene bromide	ND	13000	ug/kg	
75-09-2	Methylene chloride	ND	5400	ug/kg	
91-20-3	Naphthalene	954000	13000	ug/kg	
103-65-1	n-Propylbenzene	ND	13000	ug/kg	
100-42-5	Styrene	ND	13000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	13000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5400	ug/kg	
127-18-4	Tetrachloroethene	ND	5400	ug/kg	
108-88-3	Toluene	ND	13000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	13000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	13000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5400	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5400	ug/kg	
79-01-6	Trichloroethene	ND	5400	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	13000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	61300	13000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	16200	13000	ug/kg	
108-05-4	Vinyl Acetate	ND	13000	ug/kg	
75-01-4	Vinyl chloride	ND	5400	ug/kg	
	m,p-Xylene	21100	5400	ug/kg	
95-47-6	o-Xylene	13100	5400	ug/kg	
1330-20-7	Xylene (total)	34100	5400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%

ND = Not detected
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:	CLMT-SB-15		
Lab Sample ID:	MC30024-15	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	76.1
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01724.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	63000	ug/kg	
95-57-8	2-Chlorophenol	ND	31000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	63000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	63000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	63000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	130000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	63000	ug/kg	
95-48-7	2-Methylphenol	ND	63000	ug/kg	
	3&4-Methylphenol	ND	63000	ug/kg	
88-75-5	2-Nitrophenol	ND	63000	ug/kg	
100-02-7	4-Nitrophenol	ND	130000	ug/kg	
87-86-5	Pentachlorophenol	ND	63000	ug/kg	
108-95-2	Phenol	ND	31000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	63000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	63000	ug/kg	
83-32-9	Acenaphthene	352000	13000	ug/kg	
208-96-8	Acenaphthylene	64300	13000	ug/kg	
62-53-3	Aniline	ND	63000	ug/kg	
120-12-7	Anthracene	176000	13000	ug/kg	
92-87-5	Benzidine	ND	130000	ug/kg	
56-55-3	Benzo(a)anthracene	74500	13000	ug/kg	
50-32-8	Benzo(a)pyrene	54600	13000	ug/kg	
205-99-2	Benzo(b)fluoranthene	56500	13000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15700	13000	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	13000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	31000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	31000	ug/kg	
100-51-6	Benzyl Alcohol	ND	63000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	31000	ug/kg	
106-47-8	4-Chloroaniline	ND	63000	ug/kg	
86-74-8	Carbazole	ND	13000	ug/kg	
218-01-9	Chrysene	62000	13000	ug/kg	

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	31000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	31000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	31000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	31000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	31000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	31000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	31000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	31000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	31000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	13000	ug/kg	
132-64-9	Dibenzofuran	24400	13000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	31000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	31000	ug/kg	
84-66-2	Diethyl phthalate	ND	31000	ug/kg	
131-11-3	Dimethyl phthalate	ND	31000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	31000	ug/kg	
206-44-0	Fluoranthene	122000	13000	ug/kg	
86-73-7	Fluorene	206000	13000	ug/kg	
118-74-1	Hexachlorobenzene	ND	31000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	63000	ug/kg	
67-72-1	Hexachloroethane	ND	31000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	13700	13000	ug/kg	
78-59-1	Isophorone	ND	31000	ug/kg	
90-12-0	1-Methylnaphthalene	715000	31000	ug/kg	
91-57-6	2-Methylnaphthalene	906000	13000	ug/kg	
88-74-4	2-Nitroaniline	ND	63000	ug/kg	
99-09-2	3-Nitroaniline	ND	63000	ug/kg	
100-01-6	4-Nitroaniline	ND	63000	ug/kg	
91-20-3	Naphthalene	703000	13000	ug/kg	
98-95-3	Nitrobenzene	ND	31000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	31000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	31000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	31000	ug/kg	
85-01-8	Phenanthrene	471000	13000	ug/kg	
129-00-0	Pyrene	249000	13000	ug/kg	
110-86-1	Pyridine	ND	63000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	31000	ug/kg	

ND = Not detected
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:	CLMT-SB-15		
Lab Sample ID:	MC30024-15	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	76.1
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		30-130%
4165-62-2	Phenol-d5	51%		30-130%
118-79-6	2,4,6-Tribromophenol	30%		30-130%
4165-60-0	Nitrobenzene-d5	60%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	97%		30-130%

ND = Not detected
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:	CLMT-SB-15		
Lab Sample ID:	MC30024-15	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	76.1
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83324.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	10.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	331	27	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	96%		61-116%

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89717.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	43	ug/kg	
11104-28-2	Aroclor 1221	ND	43	ug/kg	
11141-16-5	Aroclor 1232	ND	43	ug/kg	
53469-21-9	Aroclor 1242	ND	43	ug/kg	
12672-29-6	Aroclor 1248	ND	43	ug/kg	
11097-69-1	Aroclor 1254	ND	43	ug/kg	
11096-82-5	Aroclor 1260	ND	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		30-150%
877-09-8	Tetrachloro-m-xylene	51%		30-150%
2051-24-3	Decachlorobiphenyl	105%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660826.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	7390	210	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		40-140%

ND = Not detected
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: CLMT-SB-15
Lab Sample ID: MC30024-15
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 76.1

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.9	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	12.8	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	35.4	5.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.40	0.40	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.40	0.40	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	21.3	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	67.3	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.18	0.036	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	20.4	4.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.51	0.51	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	5370	25	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	30.6	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	110	2.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-15		
Lab Sample ID:	MC30024-15	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	76.1
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.23	0.15	mg/kg	1	04/26/14 13:50	MA	SW846 9012 M
Heat Content, BTU [a]	3980	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.84	0.17	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	76.1		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137185.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.40 g	10.0 ml	50.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	3400	ug/kg	
71-43-2	Benzene	1080	170	ug/kg	
108-86-1	Bromobenzene	ND	1700	ug/kg	
74-97-5	Bromochloromethane	ND	1700	ug/kg	
75-27-4	Bromodichloromethane	ND	670	ug/kg	
75-25-2	Bromoform	ND	670	ug/kg	
74-83-9	Bromomethane	ND	670	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3400	ug/kg	
104-51-8	n-Butylbenzene	ND	1700	ug/kg	
135-98-8	sec-Butylbenzene	ND	1700	ug/kg	
98-06-6	tert-Butylbenzene	ND	1700	ug/kg	
75-15-0	Carbon disulfide	ND	1700	ug/kg	
56-23-5	Carbon tetrachloride	ND	670	ug/kg	
108-90-7	Chlorobenzene	ND	670	ug/kg	
75-00-3	Chloroethane	ND	1700	ug/kg	
67-66-3	Chloroform	ND	670	ug/kg	
74-87-3	Chloromethane	ND	1700	ug/kg	
95-49-8	o-Chlorotoluene	ND	1700	ug/kg	
106-43-4	p-Chlorotoluene	ND	1700	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1700	ug/kg	
124-48-1	Dibromochloromethane	ND	670	ug/kg	
106-93-4	1,2-Dibromoethane	ND	670	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	670	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	670	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	670	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	670	ug/kg	
75-34-3	1,1-Dichloroethane	ND	670	ug/kg	
107-06-2	1,2-Dichloroethane	ND	670	ug/kg	
75-35-4	1,1-Dichloroethene	ND	670	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	670	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	670	ug/kg	
78-87-5	1,2-Dichloropropane	ND	670	ug/kg	

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1700	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1700	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1700	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	670	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	670	ug/kg	
100-41-4	Ethylbenzene	ND	670	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1700	ug/kg	
591-78-6	2-Hexanone	ND	3400	ug/kg	
74-88-4	Iodomethane	ND	1700	ug/kg	
98-82-8	Isopropylbenzene	ND	1700	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	670	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1700	ug/kg	
74-95-3	Methylene bromide	ND	1700	ug/kg	
75-09-2	Methylene chloride	ND	670	ug/kg	
91-20-3	Naphthalene	9260	1700	ug/kg	
103-65-1	n-Propylbenzene	ND	1700	ug/kg	
100-42-5	Styrene	ND	1700	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1700	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	670	ug/kg	
127-18-4	Tetrachloroethene	ND	670	ug/kg	
108-88-3	Toluene	ND	1700	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1700	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1700	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	670	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	670	ug/kg	
79-01-6	Trichloroethene	ND	670	ug/kg	
75-69-4	Trichlorofluoromethane	ND	670	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1700	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1700	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1700	ug/kg	
108-05-4	Vinyl Acetate	ND	1700	ug/kg	
75-01-4	Vinyl chloride	ND	670	ug/kg	
	m,p-Xylene	1660	670	ug/kg	
95-47-6	o-Xylene	ND	670	ug/kg	
1330-20-7	Xylene (total)	2150	670	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%

ND = Not detected
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	74.9
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72928.D	10	05/06/14	WK	04/30/14	OP37884	MSF3238
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	6400	ug/kg	
95-57-8	2-Chlorophenol	ND	3200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	13000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	6400	ug/kg	
95-48-7	2-Methylphenol	ND	6400	ug/kg	
	3&4-Methylphenol	ND	6400	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	ug/kg	
87-86-5	Pentachlorophenol	ND	6400	ug/kg	
108-95-2	Phenol	ND	3200	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	ug/kg	
83-32-9	Acenaphthene	1940	1300	ug/kg	
208-96-8	Acenaphthylene	7580	1300	ug/kg	
62-53-3	Aniline	ND	6400	ug/kg	
120-12-7	Anthracene	5090	1300	ug/kg	
92-87-5	Benzidine	ND	13000	ug/kg	
56-55-3	Benzo(a)anthracene	7310	1300	ug/kg	
50-32-8	Benzo(a)pyrene	5420	1300	ug/kg	
205-99-2	Benzo(b)fluoranthene	7220	1300	ug/kg	
191-24-2	Benzo(g,h,i)perylene	3600	1300	ug/kg	
207-08-9	Benzo(k)fluoranthene	2600	1300	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	3200	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	3200	ug/kg	
100-51-6	Benzyl Alcohol	ND	6400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	3200	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	ug/kg	
86-74-8	Carbazole	ND	1300	ug/kg	
218-01-9	Chrysene	5170	1300	ug/kg	

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	3200	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	3200	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	3200	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	3200	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3200	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	3200	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3200	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3200	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	6400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	6400	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	3200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1300	ug/kg	
132-64-9	Dibenzofuran	ND	1300	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	3200	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	3200	ug/kg	
84-66-2	Diethyl phthalate	ND	3200	ug/kg	
131-11-3	Dimethyl phthalate	ND	3200	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	3200	ug/kg	
206-44-0	Fluoranthene	9870	1300	ug/kg	
86-73-7	Fluorene	3290	1300	ug/kg	
118-74-1	Hexachlorobenzene	ND	3200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3200	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	6400	ug/kg	
67-72-1	Hexachloroethane	ND	3200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3080	1300	ug/kg	
78-59-1	Isophorone	ND	3200	ug/kg	
90-12-0	1-Methylnaphthalene	10100	3200	ug/kg	
91-57-6	2-Methylnaphthalene	9500	1300	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	ug/kg	
91-20-3	Naphthalene	15500	1300	ug/kg	
98-95-3	Nitrobenzene	ND	3200	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	3200	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	3200	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	3200	ug/kg	
85-01-8	Phenanthrene	13800	1300	ug/kg	
129-00-0	Pyrene	13500	1300	ug/kg	
110-86-1	Pyridine	ND	6400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3200	ug/kg	

ND = Not detected
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	74.9
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-130%
4165-62-2	Phenol-d5	56%		30-130%
118-79-6	2,4,6-Tribromophenol	54%		30-130%
4165-60-0	Nitrobenzene-d5	59%		30-130%
321-60-8	2-Fluorobiphenyl	62%		30-130%
1718-51-0	Terphenyl-d14	62%		30-130%

ND = Not detected
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	74.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83348.D	1	04/27/14	AF	n/a	n/a	GAB4414
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.40 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	18.1	17	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	100%		61-116%

ND = Not detected
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	74.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89720.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	43	ug/kg	
11104-28-2	Aroclor 1221	ND	43	ug/kg	
11141-16-5	Aroclor 1232	ND	43	ug/kg	
53469-21-9	Aroclor 1242	ND	43	ug/kg	
12672-29-6	Aroclor 1248	ND	43	ug/kg	
11097-69-1	Aroclor 1254	ND	43	ug/kg	
11096-82-5	Aroclor 1260	ND	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	444% [a]		30-150%
877-09-8	Tetrachloro-m-xylene	57%		30-150%
2051-24-3	Decachlorobiphenyl	122%		30-150%
2051-24-3	Decachlorobiphenyl	145%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660812.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	2090	210	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		40-140%

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	11.5	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	88.7	5.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.52	0.41	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.41	0.41	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	20.5	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	144	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.39	0.033	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	39.1	4.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.51	0.51	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	6410	51	mg/kg	10	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	28.8	1.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	159	2.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-13		
Lab Sample ID:	MC30024-16	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	74.9
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	6.0	0.15	mg/kg	1	04/26/14 13:51	MA	SW846 9012 M
Heat Content, BTU [a]	4390	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.91	0.16	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	74.9		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-16		
Lab Sample ID:	MC30024-17	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	79.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137192.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.54 g	10.0 ml	10.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	15000	ug/kg	
71-43-2	Benzene	ND	750	ug/kg	
108-86-1	Bromobenzene	ND	7500	ug/kg	
74-97-5	Bromochloromethane	ND	7500	ug/kg	
75-27-4	Bromodichloromethane	ND	3000	ug/kg	
75-25-2	Bromoform	ND	3000	ug/kg	
74-83-9	Bromomethane	ND	3000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15000	ug/kg	
104-51-8	n-Butylbenzene	ND	7500	ug/kg	
135-98-8	sec-Butylbenzene	ND	7500	ug/kg	
98-06-6	tert-Butylbenzene	ND	7500	ug/kg	
75-15-0	Carbon disulfide	ND	7500	ug/kg	
56-23-5	Carbon tetrachloride	ND	3000	ug/kg	
108-90-7	Chlorobenzene	ND	3000	ug/kg	
75-00-3	Chloroethane	ND	7500	ug/kg	
67-66-3	Chloroform	ND	3000	ug/kg	
74-87-3	Chloromethane	ND	7500	ug/kg	
95-49-8	o-Chlorotoluene	ND	7500	ug/kg	
106-43-4	p-Chlorotoluene	ND	7500	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7500	ug/kg	
124-48-1	Dibromochloromethane	ND	3000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3000	ug/kg	

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	7500	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7500	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3000	ug/kg	
100-41-4	Ethylbenzene	ND	3000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7500	ug/kg	
591-78-6	2-Hexanone	ND	15000	ug/kg	
74-88-4	Iodomethane	ND	7500	ug/kg	
98-82-8	Isopropylbenzene	ND	7500	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3000	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	7500	ug/kg	
74-95-3	Methylene bromide	ND	7500	ug/kg	
75-09-2	Methylene chloride	ND	3000	ug/kg	
91-20-3	Naphthalene	131000	7500	ug/kg	
103-65-1	n-Propylbenzene	ND	7500	ug/kg	
100-42-5	Styrene	ND	7500	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3000	ug/kg	
127-18-4	Tetrachloroethene	ND	3000	ug/kg	
108-88-3	Toluene	ND	7500	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3000	ug/kg	
79-01-6	Trichloroethene	ND	3000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7500	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	10200	7500	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7500	ug/kg	
108-05-4	Vinyl Acetate	ND	7500	ug/kg	
75-01-4	Vinyl chloride	ND	3000	ug/kg	
	m,p-Xylene	ND	3000	ug/kg	
95-47-6	o-Xylene	ND	3000	ug/kg	
1330-20-7	Xylene (total)	4240	3000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%

ND = Not detected
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:	CLMT-SB-16		
Lab Sample ID:	MC30024-17	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	79.8
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

(a) Dilution required due to high concentration of non-target compound.

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X01726.D	100	05/06/14	WK	04/30/14	OP37884	MSX64
Run #2							

	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	60000	ug/kg	
95-57-8	2-Chlorophenol	ND	30000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	60000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	60000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	60000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	120000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	60000	ug/kg	
95-48-7	2-Methylphenol	ND	60000	ug/kg	
	3&4-Methylphenol	ND	60000	ug/kg	
88-75-5	2-Nitrophenol	ND	60000	ug/kg	
100-02-7	4-Nitrophenol	ND	120000	ug/kg	
87-86-5	Pentachlorophenol	ND	60000	ug/kg	
108-95-2	Phenol	ND	30000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	60000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	60000	ug/kg	
83-32-9	Acenaphthene	97600	12000	ug/kg	
208-96-8	Acenaphthylene	14100	12000	ug/kg	
62-53-3	Aniline	ND	60000	ug/kg	
120-12-7	Anthracene	46200	12000	ug/kg	
92-87-5	Benzidine	ND	120000	ug/kg	
56-55-3	Benzo(a)anthracene	26300	12000	ug/kg	
50-32-8	Benzo(a)pyrene	17400	12000	ug/kg	
205-99-2	Benzo(b)fluoranthene	16600	12000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	12000	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	12000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	30000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	30000	ug/kg	
100-51-6	Benzyl Alcohol	ND	60000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	30000	ug/kg	
106-47-8	4-Chloroaniline	ND	60000	ug/kg	
86-74-8	Carbazole	ND	12000	ug/kg	
218-01-9	Chrysene	21900	12000	ug/kg	

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	30000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	30000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	30000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	30000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	30000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	30000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	30000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	30000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	60000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	60000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	30000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	12000	ug/kg	
132-64-9	Dibenzofuran	ND	12000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	30000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	30000	ug/kg	
84-66-2	Diethyl phthalate	ND	30000	ug/kg	
131-11-3	Dimethyl phthalate	ND	30000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	30000	ug/kg	
206-44-0	Fluoranthene	45200	12000	ug/kg	
86-73-7	Fluorene	54600	12000	ug/kg	
118-74-1	Hexachlorobenzene	ND	30000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	60000	ug/kg	
67-72-1	Hexachloroethane	ND	30000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	12000	ug/kg	
78-59-1	Isophorone	ND	30000	ug/kg	
90-12-0	1-Methylnaphthalene	125000	30000	ug/kg	
91-57-6	2-Methylnaphthalene	70400	12000	ug/kg	
88-74-4	2-Nitroaniline	ND	60000	ug/kg	
99-09-2	3-Nitroaniline	ND	60000	ug/kg	
100-01-6	4-Nitroaniline	ND	60000	ug/kg	
91-20-3	Naphthalene	25000	12000	ug/kg	
98-95-3	Nitrobenzene	ND	30000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	30000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	30000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	30000	ug/kg	
85-01-8	Phenanthrene	154000	12000	ug/kg	
129-00-0	Pyrene	92900	12000	ug/kg	
110-86-1	Pyridine	ND	60000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	30000	ug/kg	

ND = Not detected
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:	CLMT-SB-16		
Lab Sample ID:	MC30024-17	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	79.8
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		30-130%
4165-62-2	Phenol-d5	40%		30-130%
118-79-6	2,4,6-Tribromophenol	32%		30-130%
4165-60-0	Nitrobenzene-d5	46%		30-130%
321-60-8	2-Fluorobiphenyl	59%		30-130%
1718-51-0	Terphenyl-d14	87%		30-130%

ND = Not detected
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:	CLMT-SB-16		
Lab Sample ID:	MC30024-17	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	79.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83326.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.54 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	56.6	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	98%		61-116%

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89721.D	1	05/06/14	SZ	05/01/14	OP37906	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	40	ug/kg	
11104-28-2	Aroclor 1221	ND	40	ug/kg	
11141-16-5	Aroclor 1232	ND	40	ug/kg	
53469-21-9	Aroclor 1242	ND	40	ug/kg	
12672-29-6	Aroclor 1248	ND	40	ug/kg	
11097-69-1	Aroclor 1254	ND	40	ug/kg	
11096-82-5	Aroclor 1260	ND	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		30-150%
877-09-8	Tetrachloro-m-xylene	35%		30-150%
2051-24-3	Decachlorobiphenyl	125%		30-150%
2051-24-3	Decachlorobiphenyl	142%		30-150%

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660814.D	10	05/06/14	KN	05/01/14	OP37901	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	3380	200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		40-140%

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.99	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	7.8	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	36.2	4.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.39	0.39	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.39	0.39	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	17.3	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	88.1	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.20	0.035	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	14.8	3.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 0.99	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.49	0.49	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	4150	25	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 0.99	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	26.8	0.99	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	213	2.0	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-16		
Lab Sample ID:	MC30024-17	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	79.8
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.1	0.15	mg/kg	1	04/26/14 13:52	MA	SW846 9012 M
Heat Content, BTU [a]	830	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.73	0.10	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	79.8		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137193.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	10.0 ml	10.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	19000	ug/kg	
71-43-2	Benzene	ND	940	ug/kg	
108-86-1	Bromobenzene	ND	9400	ug/kg	
74-97-5	Bromochloromethane	ND	9400	ug/kg	
75-27-4	Bromodichloromethane	ND	3800	ug/kg	
75-25-2	Bromoform	ND	3800	ug/kg	
74-83-9	Bromomethane	ND	3800	ug/kg	
78-93-3	2-Butanone (MEK)	ND	19000	ug/kg	
104-51-8	n-Butylbenzene	ND	9400	ug/kg	
135-98-8	sec-Butylbenzene	ND	9400	ug/kg	
98-06-6	tert-Butylbenzene	ND	9400	ug/kg	
75-15-0	Carbon disulfide	ND	9400	ug/kg	
56-23-5	Carbon tetrachloride	ND	3800	ug/kg	
108-90-7	Chlorobenzene	ND	3800	ug/kg	
75-00-3	Chloroethane	ND	9400	ug/kg	
67-66-3	Chloroform	ND	3800	ug/kg	
74-87-3	Chloromethane	ND	9400	ug/kg	
95-49-8	o-Chlorotoluene	ND	9400	ug/kg	
106-43-4	p-Chlorotoluene	ND	9400	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	9400	ug/kg	
124-48-1	Dibromochloromethane	ND	3800	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3800	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3800	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3800	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3800	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3800	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3800	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3800	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3800	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3800	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3800	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3800	ug/kg	

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	9400	ug/kg	
594-20-7	2,2-Dichloropropane	ND	9400	ug/kg	
563-58-6	1,1-Dichloropropene	ND	9400	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3800	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3800	ug/kg	
100-41-4	Ethylbenzene	ND	3800	ug/kg	
87-68-3	Hexachlorobutadiene	ND	9400	ug/kg	
591-78-6	2-Hexanone	ND	19000	ug/kg	
74-88-4	Iodomethane	ND	9400	ug/kg	
98-82-8	Isopropylbenzene	ND	9400	ug/kg	
99-87-6	p-Isopropyltoluene	ND	9400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3800	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	9400	ug/kg	
74-95-3	Methylene bromide	ND	9400	ug/kg	
75-09-2	Methylene chloride	ND	3800	ug/kg	
91-20-3	Naphthalene	174000	9400	ug/kg	
103-65-1	n-Propylbenzene	ND	9400	ug/kg	
100-42-5	Styrene	ND	9400	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	9400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3800	ug/kg	
127-18-4	Tetrachloroethene	ND	3800	ug/kg	
108-88-3	Toluene	ND	9400	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	9400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	9400	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3800	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3800	ug/kg	
79-01-6	Trichloroethene	ND	3800	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3800	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	9400	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	9400	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	9400	ug/kg	
108-05-4	Vinyl Acetate	ND	9400	ug/kg	
75-01-4	Vinyl chloride	ND	3800	ug/kg	
	m,p-Xylene	ND	3800	ug/kg	
95-47-6	o-Xylene	ND	3800	ug/kg	
1330-20-7	Xylene (total)	4880	3800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

(a) Dilution required due to high concentration of non-target compound.

ND = Not detected
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: CLMT-SB-18
Lab Sample ID: MC30024-18
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 62.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72906.D	5	05/05/14	WK	04/30/14	OP37872	MSF3238
Run #2	X01741.D	25	05/07/14	WK	04/30/14	OP37872	MSX65

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2	20.3 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	4000	ug/kg	
95-57-8	2-Chlorophenol	ND	2000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	4000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	4000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	4000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7900	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4000	ug/kg	
95-48-7	2-Methylphenol	ND	4000	ug/kg	
	3&4-Methylphenol	ND	4000	ug/kg	
88-75-5	2-Nitrophenol	ND	4000	ug/kg	
100-02-7	4-Nitrophenol	ND	7900	ug/kg	
87-86-5	Pentachlorophenol	ND	4000	ug/kg	
108-95-2	Phenol	ND	2000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	4000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	4000	ug/kg	
83-32-9	Acenaphthene	54000	790	ug/kg	
208-96-8	Acenaphthylene	ND	790	ug/kg	
62-53-3	Aniline	ND	4000	ug/kg	
120-12-7	Anthracene	29600	790	ug/kg	
92-87-5	Benzidine	ND	7900	ug/kg	
56-55-3	Benzo(a)anthracene	18100	790	ug/kg	
50-32-8	Benzo(a)pyrene	13000	790	ug/kg	
205-99-2	Benzo(b)fluoranthene	9760	790	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4680	790	ug/kg	
207-08-9	Benzo(k)fluoranthene	3070	790	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2000	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2000	ug/kg	
100-51-6	Benzyl Alcohol	ND	4000	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2000	ug/kg	
106-47-8	4-Chloroaniline	ND	4000	ug/kg	
86-74-8	Carbazole	ND	790	ug/kg	
218-01-9	Chrysene	16400	790	ug/kg	

ND = Not detected
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: CLMT-SB-18
Lab Sample ID: MC30024-18
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 62.2

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2000	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	2000	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2000	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2000	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	4000	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	4000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1590	790	ug/kg	
132-64-9	Dibenzofuran	ND	790	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2000	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2000	ug/kg	
84-66-2	Diethyl phthalate	ND	2000	ug/kg	
131-11-3	Dimethyl phthalate	ND	2000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2000	ug/kg	
206-44-0	Fluoranthene	32200	790	ug/kg	
86-73-7	Fluorene	36600	790	ug/kg	
118-74-1	Hexachlorobenzene	ND	2000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4000	ug/kg	
67-72-1	Hexachloroethane	ND	2000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3820	790	ug/kg	
78-59-1	Isophorone	ND	2000	ug/kg	
90-12-0	1-Methylnaphthalene	80700 [a]	9900	ug/kg	
91-57-6	2-Methylnaphthalene	78000 [a]	4000	ug/kg	
88-74-4	2-Nitroaniline	ND	4000	ug/kg	
99-09-2	3-Nitroaniline	ND	4000	ug/kg	
100-01-6	4-Nitroaniline	ND	4000	ug/kg	
91-20-3	Naphthalene	57100	790	ug/kg	
98-95-3	Nitrobenzene	ND	2000	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	2000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2000	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2000	ug/kg	
85-01-8	Phenanthrene	108000 [a]	4000	ug/kg	
129-00-0	Pyrene	49900	790	ug/kg	
110-86-1	Pyridine	ND	4000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2000	ug/kg	

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%	52%	30-130%
4165-62-2	Phenol-d5	43%	50%	30-130%
118-79-6	2,4,6-Tribromophenol	55%	41%	30-130%
4165-60-0	Nitrobenzene-d5	55%	61%	30-130%
321-60-8	2-Fluorobiphenyl	63%	69%	30-130%
1718-51-0	Terphenyl-d14	61%	82%	30-130%

(a) Result is from Run# 2

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83327.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	65.3	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	101%		61-116%

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89661.D	1	05/05/14	SZ	04/30/14	OP37874	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	52	ug/kg	
11104-28-2	Aroclor 1221	ND	52	ug/kg	
11141-16-5	Aroclor 1232	ND	52	ug/kg	
53469-21-9	Aroclor 1242	ND	52	ug/kg	
12672-29-6	Aroclor 1248	ND	52	ug/kg	
11097-69-1	Aroclor 1254	ND	52	ug/kg	
11096-82-5	Aroclor 1260	ND	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	185% [a]		30-150%
877-09-8	Tetrachloro-m-xylene	98%		30-150%
2051-24-3	Decachlorobiphenyl	136%		30-150%
2051-24-3	Decachlorobiphenyl	136%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-18
Lab Sample ID: MC30024-18
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 62.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660834.D	10	05/06/14	KN	04/30/14	OP37873	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	7530	260	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		40-140%

ND = Not detected
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: CLMT-SB-18
Lab Sample ID: MC30024-18
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 62.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	4.9	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	46.2	5.9	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.47	0.47	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.47	0.47	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	17.5	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	54.8	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.32	0.042	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	13.7	4.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.59	0.59	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	2390	29	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	27.8	1.2	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	98.3	2.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-18		
Lab Sample ID:	MC30024-18	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	62.2
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.32	0.19	mg/kg	1	04/26/14 13:53	MA	SW846 9012 M
Heat Content, BTU [a]	4210	100	BTU/lb	1	05/08/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.30	0.14	%	1	05/09/14	ANJ	ASTM D129-95
Solids, Percent	62.2		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137196.D	1	05/02/14	JM	n/a	n/a	MSG5251
Run #2	G137247.D	1	05/05/14	JM	n/a	n/a	MSG5252

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.15 g	10.0 ml	5.0 ul
Run #2	4.15 g	10.0 ml	1.0 ul

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	37000	ug/kg	
71-43-2	Benzene	ND	1800	ug/kg	
108-86-1	Bromobenzene	ND	18000	ug/kg	
74-97-5	Bromochloromethane	ND	18000	ug/kg	
75-27-4	Bromodichloromethane	ND	7400	ug/kg	
75-25-2	Bromoform	ND	7400	ug/kg	
74-83-9	Bromomethane	ND	7400	ug/kg	
78-93-3	2-Butanone (MEK)	ND	37000	ug/kg	
104-51-8	n-Butylbenzene	ND	18000	ug/kg	
135-98-8	sec-Butylbenzene	ND	18000	ug/kg	
98-06-6	tert-Butylbenzene	ND	18000	ug/kg	
75-15-0	Carbon disulfide	ND	18000	ug/kg	
56-23-5	Carbon tetrachloride	ND	7400	ug/kg	
108-90-7	Chlorobenzene	ND	7400	ug/kg	
75-00-3	Chloroethane	ND	18000	ug/kg	
67-66-3	Chloroform	ND	7400	ug/kg	
74-87-3	Chloromethane	ND	18000	ug/kg	
95-49-8	o-Chlorotoluene	ND	18000	ug/kg	
106-43-4	p-Chlorotoluene	ND	18000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	18000	ug/kg	
124-48-1	Dibromochloromethane	ND	7400	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7400	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7400	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7400	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7400	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7400	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7400	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7400	ug/kg	

ND = Not detected
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:	CLMT-SB-19		
Lab Sample ID:	MC30024-19	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	72.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	18000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	18000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	18000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7400	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7400	ug/kg	
100-41-4	Ethylbenzene	64100	7400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	18000	ug/kg	
591-78-6	2-Hexanone	ND	37000	ug/kg	
74-88-4	Iodomethane	ND	18000	ug/kg	
98-82-8	Isopropylbenzene	ND	18000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	18000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7400	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	18000	ug/kg	
74-95-3	Methylene bromide	ND	18000	ug/kg	
75-09-2	Methylene chloride	ND	7400	ug/kg	
91-20-3	Naphthalene	2410000 [a]	92000	ug/kg	
103-65-1	n-Propylbenzene	ND	18000	ug/kg	
100-42-5	Styrene	ND	18000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	18000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7400	ug/kg	
127-18-4	Tetrachloroethene	ND	7400	ug/kg	
108-88-3	Toluene	ND	18000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	18000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	18000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7400	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7400	ug/kg	
79-01-6	Trichloroethene	ND	7400	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	18000	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	109000	18000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	36500	18000	ug/kg	
108-05-4	Vinyl Acetate	ND	18000	ug/kg	
75-01-4	Vinyl chloride	ND	7400	ug/kg	
	m,p-Xylene	72700	7400	ug/kg	
95-47-6	o-Xylene	39500	7400	ug/kg	
1330-20-7	Xylene (total)	112000	7400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	106%	70-130%

ND = Not detected
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:	CLMT-SB-19		
Lab Sample ID:	MC30024-19	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	72.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	104%	111%	70-130%
460-00-4	4-Bromofluorobenzene	109%	111%	70-130%

(a) Result is from Run# 2

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72907.D	5	05/05/14	WK	04/30/14	OP37872	MSF3238
Run #2	X01742.D	50	05/07/14	WK	04/30/14	OP37872	MSX65

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2	20.3 g	1.0 ml

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	3400	ug/kg	
95-57-8	2-Chlorophenol	ND	1700	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	3400	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	3400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	3400	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	6800	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3400	ug/kg	
95-48-7	2-Methylphenol	ND	3400	ug/kg	
	3&4-Methylphenol	ND	3400	ug/kg	
88-75-5	2-Nitrophenol	ND	3400	ug/kg	
100-02-7	4-Nitrophenol	ND	6800	ug/kg	
87-86-5	Pentachlorophenol	ND	3400	ug/kg	
108-95-2	Phenol	ND	1700	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	3400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	3400	ug/kg	
83-32-9	Acenaphthene	241000 [a]	6800	ug/kg	
208-96-8	Acenaphthylene	36600	680	ug/kg	
62-53-3	Aniline	ND	3400	ug/kg	
120-12-7	Anthracene	134000 [a]	6800	ug/kg	
92-87-5	Benzidine	ND	6800	ug/kg	
56-55-3	Benzo(a)anthracene	89300 [a]	6800	ug/kg	
50-32-8	Benzo(a)pyrene	64500 [a]	6800	ug/kg	
205-99-2	Benzo(b)fluoranthene	50900	680	ug/kg	
191-24-2	Benzo(g,h,i)perylene	20800	680	ug/kg	
207-08-9	Benzo(k)fluoranthene	10800	680	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1700	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1700	ug/kg	
100-51-6	Benzyl Alcohol	ND	3400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1700	ug/kg	
106-47-8	4-Chloroaniline	ND	3400	ug/kg	
86-74-8	Carbazole	6400	680	ug/kg	
218-01-9	Chrysene	68800 [a]	6800	ug/kg	

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	1700	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1700	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1700	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1700	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1700	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	1700	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1700	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1700	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	3400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	3400	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1700	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	6700	680	ug/kg	
132-64-9	Dibenzofuran	20700	680	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1700	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1700	ug/kg	
84-66-2	Diethyl phthalate	ND	1700	ug/kg	
131-11-3	Dimethyl phthalate	ND	1700	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1700	ug/kg	
206-44-0	Fluoranthene	149000 [a]	6800	ug/kg	
86-73-7	Fluorene	151000 [a]	6800	ug/kg	
118-74-1	Hexachlorobenzene	ND	1700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1700	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3400	ug/kg	
67-72-1	Hexachloroethane	ND	1700	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	16100	680	ug/kg	
78-59-1	Isophorone	ND	1700	ug/kg	
90-12-0	1-Methylnaphthalene	318000 [a]	17000	ug/kg	
91-57-6	2-Methylnaphthalene	386000 [a]	6800	ug/kg	
88-74-4	2-Nitroaniline	ND	3400	ug/kg	
99-09-2	3-Nitroaniline	ND	3400	ug/kg	
100-01-6	4-Nitroaniline	ND	3400	ug/kg	
91-20-3	Naphthalene	521000 [a]	6800	ug/kg	
98-95-3	Nitrobenzene	ND	1700	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	1700	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1700	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1700	ug/kg	
85-01-8	Phenanthrene	401000 [a]	6800	ug/kg	
129-00-0	Pyrene	277000 [a]	6800	ug/kg	
110-86-1	Pyridine	ND	3400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1700	ug/kg	

ND = Not detected
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:	CLMT-SB-19		
Lab Sample ID:	MC30024-19	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	72.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%	57%	30-130%
4165-62-2	Phenol-d5	57%	58%	30-130%
118-79-6	2,4,6-Tribromophenol	70%	41%	30-130%
4165-60-0	Nitrobenzene-d5	75%	83%	30-130%
321-60-8	2-Fluorobiphenyl	67%	74%	30-130%
1718-51-0	Terphenyl-d14	70%	94%	30-130%

(a) Result is from Run# 2

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Method: SW846 8015
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83325.D	1	04/26/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.15 g	10.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	1500	180	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	98%		61-116%

ND = Not detected
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:	CLMT-SB-19		
Lab Sample ID:	MC30024-19	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	72.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89662.D	1	05/05/14	SZ	04/30/14	OP37874	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	44	ug/kg	
11104-28-2	Aroclor 1221	ND	44	ug/kg	
11141-16-5	Aroclor 1232	ND	44	ug/kg	
53469-21-9	Aroclor 1242	ND	44	ug/kg	
12672-29-6	Aroclor 1248	ND	44	ug/kg	
11097-69-1	Aroclor 1254	ND	44	ug/kg	
11096-82-5	Aroclor 1260	ND	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	155% [a]		30-150%
877-09-8	Tetrachloro-m-xylene	96%		30-150%
2051-24-3	Decachlorobiphenyl	99%		30-150%
2051-24-3	Decachlorobiphenyl	104%		30-150%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660840.D	10	05/06/14	KN	04/30/14	OP37873	GBC3626
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	20900	230	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		40-140%

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19
Matrix: SO - Soil
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Arsenic	6.6	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Barium	44.1	5.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Beryllium	< 0.43	0.43	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Cadmium	< 0.43	0.43	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Chromium	17.6	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Lead	34.7	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.086	0.039	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.5	4.3	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Selenium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Silver	< 0.53	0.53	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Sulfur	3220	27	mg/kg	5	05/01/14	05/06/14	EAL	SW846 6010C [3]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Vanadium	56.0	1.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]
Zinc	86.3	2.1	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Instrument QC Batch: MA17115
(4) Prep QC Batch: MP22972
(5) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-19		
Lab Sample ID:	MC30024-19	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	72.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.15	0.15	mg/kg	1	04/26/14 13:54	MA	SW846 9012 M
Heat Content, BTU [a]	1690	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	0.43	0.090	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	72.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137294.D	1	05/06/14	JM	n/a	n/a	MSG5253
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.53 g	10.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1200	ug/kg	
71-43-2	Benzene	ND	61	ug/kg	
108-86-1	Bromobenzene	ND	610	ug/kg	
74-97-5	Bromochloromethane	ND	610	ug/kg	
75-27-4	Bromodichloromethane	ND	240	ug/kg	
75-25-2	Bromoform	ND	240	ug/kg	
74-83-9	Bromomethane	ND	240	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1200	ug/kg	
104-51-8	n-Butylbenzene	ND	610	ug/kg	
135-98-8	sec-Butylbenzene	ND	610	ug/kg	
98-06-6	tert-Butylbenzene	ND	610	ug/kg	
75-15-0	Carbon disulfide	ND	610	ug/kg	
56-23-5	Carbon tetrachloride	ND	240	ug/kg	
108-90-7	Chlorobenzene	ND	240	ug/kg	
75-00-3	Chloroethane	ND	610	ug/kg	
67-66-3	Chloroform	ND	240	ug/kg	
74-87-3	Chloromethane	ND	610	ug/kg	
95-49-8	o-Chlorotoluene	ND	610	ug/kg	
106-43-4	p-Chlorotoluene	ND	610	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	610	ug/kg	
124-48-1	Dibromochloromethane	ND	240	ug/kg	
106-93-4	1,2-Dibromoethane	ND	240	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	240	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	240	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	240	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	240	ug/kg	
75-34-3	1,1-Dichloroethane	ND	240	ug/kg	
107-06-2	1,2-Dichloroethane	ND	240	ug/kg	
75-35-4	1,1-Dichloroethene	ND	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	240	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	240	ug/kg	
78-87-5	1,2-Dichloropropane	ND	240	ug/kg	

ND = Not detected
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: CLMT-SB-20
Lab Sample ID: MC30024-20
Matrix: SO - Soil
Method: SW846 8260C
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 93.7

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	610	ug/kg	
594-20-7	2,2-Dichloropropane	ND	610	ug/kg	
563-58-6	1,1-Dichloropropene	ND	610	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	240	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	240	ug/kg	
100-41-4	Ethylbenzene	ND	240	ug/kg	
87-68-3	Hexachlorobutadiene	ND	610	ug/kg	
591-78-6	2-Hexanone	ND	1200	ug/kg	
74-88-4	Iodomethane	ND	610	ug/kg	
98-82-8	Isopropylbenzene	ND	610	ug/kg	
99-87-6	p-Isopropyltoluene	ND	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	240	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	610	ug/kg	
74-95-3	Methylene bromide	ND	610	ug/kg	
75-09-2	Methylene chloride	ND	240	ug/kg	
91-20-3	Naphthalene	ND	610	ug/kg	
103-65-1	n-Propylbenzene	ND	610	ug/kg	
100-42-5	Styrene	ND	610	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	610	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	240	ug/kg	
127-18-4	Tetrachloroethene	ND	240	ug/kg	
108-88-3	Toluene	ND	610	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	610	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	610	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	240	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	240	ug/kg	
79-01-6	Trichloroethene	ND	240	ug/kg	
75-69-4	Trichlorofluoromethane	ND	240	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	610	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	610	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	610	ug/kg	
108-05-4	Vinyl Acetate	ND	610	ug/kg	
75-01-4	Vinyl chloride	ND	240	ug/kg	
	m,p-Xylene	ND	240	ug/kg	
95-47-6	o-Xylene	ND	240	ug/kg	
1330-20-7	Xylene (total)	ND	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	119%		70-130%
460-00-4	4-Bromofluorobenzene	115%		70-130%

(a) Elevated RL due to sample matrix.

ND = Not detected
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: CLMT-SB-20
Lab Sample ID: MC30024-20
Matrix: SO - Soil
Method: SW846 8270D SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F72908.D	5	05/05/14	WK	04/30/14	OP37872	MSF3238
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	2600	ug/kg	
95-57-8	2-Chlorophenol	ND	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2600	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2600	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2600	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	ug/kg	
	3&4-Methylphenol	ND	2600	ug/kg	
88-75-5	2-Nitrophenol	ND	2600	ug/kg	
100-02-7	4-Nitrophenol	ND	5200	ug/kg	
87-86-5	Pentachlorophenol	ND	2600	ug/kg	
108-95-2	Phenol	ND	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2600	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2600	ug/kg	
83-32-9	Acenaphthene	736	520	ug/kg	
208-96-8	Acenaphthylene	1840	520	ug/kg	
62-53-3	Aniline	ND	2600	ug/kg	
120-12-7	Anthracene	2200	520	ug/kg	
92-87-5	Benzidine	ND	5200	ug/kg	
56-55-3	Benzo(a)anthracene	7470	520	ug/kg	
50-32-8	Benzo(a)pyrene	6760	520	ug/kg	
205-99-2	Benzo(b)fluoranthene	8650	520	ug/kg	
191-24-2	Benzo(g,h,i)perylene	5380	520	ug/kg	
207-08-9	Benzo(k)fluoranthene	2860	520	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1300	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1300	ug/kg	
100-51-6	Benzyl Alcohol	ND	2600	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1300	ug/kg	
106-47-8	4-Chloroaniline	ND	2600	ug/kg	
86-74-8	Carbazole	763	520	ug/kg	
218-01-9	Chrysene	7180	520	ug/kg	

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Compound	Result	RL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	1300	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1300	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1300	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1300	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1300	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	1300	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1300	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1300	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1300	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1150	520	ug/kg	
132-64-9	Dibenzofuran	527	520	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1300	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1300	ug/kg	
84-66-2	Diethyl phthalate	ND	1300	ug/kg	
131-11-3	Dimethyl phthalate	ND	1300	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1300	ug/kg	
206-44-0	Fluoranthene	13500	520	ug/kg	
86-73-7	Fluorene	874	520	ug/kg	
118-74-1	Hexachlorobenzene	ND	1300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2600	ug/kg	
67-72-1	Hexachloroethane	ND	1300	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4300	520	ug/kg	
78-59-1	Isophorone	ND	1300	ug/kg	
90-12-0	1-Methylnaphthalene	ND	1300	ug/kg	
91-57-6	2-Methylnaphthalene	ND	520	ug/kg	
88-74-4	2-Nitroaniline	ND	2600	ug/kg	
99-09-2	3-Nitroaniline	ND	2600	ug/kg	
100-01-6	4-Nitroaniline	ND	2600	ug/kg	
91-20-3	Naphthalene	602	520	ug/kg	
98-95-3	Nitrobenzene	ND	1300	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	1300	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1300	ug/kg	
85-01-8	Phenanthrene	8160	520	ug/kg	
129-00-0	Pyrene	15200	520	ug/kg	
110-86-1	Pyridine	ND	2600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1300	ug/kg	

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		30-130%
4165-62-2	Phenol-d5	71%		30-130%
118-79-6	2,4,6-Tribromophenol	83%		30-130%
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	81%		30-130%
1718-51-0	Terphenyl-d14	87%		30-130%

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8015	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB83331.D	1	04/27/14	AF	n/a	n/a	GAB4413
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.53 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	99%		61-116%

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ89663.D	1	05/05/14	SZ	04/30/14	OP37874	GYZ7556
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	34	ug/kg	
11104-28-2	Aroclor 1221	ND	34	ug/kg	
11141-16-5	Aroclor 1232	ND	34	ug/kg	
53469-21-9	Aroclor 1242	ND	34	ug/kg	
12672-29-6	Aroclor 1248	ND	34	ug/kg	
11097-69-1	Aroclor 1254	ND	34	ug/kg	
11096-82-5	Aroclor 1260	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		30-150%
877-09-8	Tetrachloro-m-xylene	98%		30-150%
2051-24-3	Decachlorobiphenyl	144%		30-150%
2051-24-3	Decachlorobiphenyl	150%		30-150%

ND = Not detected
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: CLMT-SB-20
Lab Sample ID: MC30024-20
Matrix: SO - Soil
Method: SW846-8015 SW846 3546
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660766.D	1	05/03/14	KN	04/30/14	OP37873	GBC3625
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	740	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		40-140%

ND = Not detected
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:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	93.7
Project:	Former MGP Site, Claremont, NH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 0.92	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Arsenic	4.9	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Barium	26.4	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Beryllium	< 0.37	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Cadmium	< 0.37	0.37	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Chromium	13.9	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Lead	37.0	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Mercury	0.064	0.034	mg/kg	1	05/02/14	05/05/14	EAL	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.3	3.7	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Selenium	< 0.92	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Silver	< 0.46	0.46	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Sulfur	355	4.6	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Thallium	< 0.92	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Vanadium	23.1	0.92	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]
Zinc	45.0	1.8	mg/kg	1	05/01/14	05/02/14	EAL	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA17093
(2) Instrument QC Batch: MA17096
(3) Prep QC Batch: MP22972
(4) Prep QC Batch: MP22978

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	CLMT-SB-20		
Lab Sample ID:	MC30024-20	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	93.7
Project:	Former MGP Site, Claremont, NH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.8	0.12	mg/kg	1	04/26/14 13:30	MA	SW846 9012 M
Heat Content, BTU [a]	237	100	BTU/lb	1	05/13/14	ANJ	ASTM D240-92
Percent Sulfur [a]	< 0.080	0.080	%	1	05/12/14	ANJ	ASTM D129-95
Solids, Percent	93.7		%	1	04/28/14	MA	SM21 2540 B MOD.

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (Accutest New Jersey)

CHAIN OF CUSTODY

495 Tech Center West, Bldg 1, Marlboro, MA 01752
TEL: (508)481-6200 FAX: (508)-481-7753

Accutest Job #:	MC30024
Accutest Quote #:	Page 1 of 2
AMS P.O. #:	
Project No.:	

Client Information	Subcontract Laboratory Information	Analytical Information
Name: Accutest New England	Name: Accutest - New Jersey	
Address: 50 D'Angelo Drive	Address: 2235 Route 130	
City: Marlborough State: MA Zip: 01752	City: Dayton State: NJ Zip: 08810	
Send Report to: Frankd@accutest.com	Contact: Sample Management	
Any questions contact: Frank D'Agostino	Phone: (732) 329-0200	
Phone/Fax #: (508)481-6200 / (508)481-7753		

Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	BTU**	SULFUR (EPA D129-64)	Comments
MC30024 -1	4/21/14	12:00 PM	SO	1					X	X	X	
MC30024 -2	4/21/14	2:40 PM	SO	1					X	X	X	
MC30024 -3	4/21/14	3:30 PM	SO	1					X	X	X	
MC30024 -4	4/21/14	4:30 PM	SO	1					X	X	X	
MC30024 -5	4/22/14	9:00 AM	SO	1					X	X	X	
MC30024 -6	4/22/14	9:55 AM	SO	1					X	X	X	
MC30024 -7	4/22/14	10:40 AM	SO	1					X	X	X	
MC30024 -8	4/22/14	11:15 AM	SO	1					X	X	X	
MC30024 -9	4/22/14	12:00 PM	SO	1					X	X	X	
MC30024 -10	4/22/14	3:10 PM	SO	1					X	X	X	

Data Deliverable Information		Comments / Remarks
[x] STD	[x] Commercial "A"	[ ] PDF	STD - Due 5/7/14
[ ] Other _____ (Days)	[ ] Commercial "B"	[ ] Compact Disk Deliverable	**BTU: Need MDL of 100 BTU/LB
	[ ] Commercial "BN"	[ ] Electronic Delivery: _____	
	[ ] Reduced Tier 1	[ ] State Forms	
10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.	[ ] Full Tier 1	[ ] Other (Specify) _____	

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

Relinquished by: 1	Date & Time: 4/23/14	Received By: 1 Fed Ex	Date & Time: 1	Seal #:	Headspace: Yes [ ] No [ ] NA [ ]
Relinquished by: 2	Date & Time:	Received By: 2	Date & Time: 2	Preserved where applicable: [ ]	
Relinquished by: 3	Date & Time:	Received By: 3	Date & Time: 3	Temperature °C _____	On Ice [ ]

Shipped 4/23/14 JC

MC30024: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

495 Tech Center West, Bldg 1, Marlboro, MA 01752
TEL: (508)481-6200 FAX: (508)481-7753

Accutest Job #:	MC30024
Accutest Quote #:	Page 2 of 2
AMS P.O. #:	
Project No.:	

Client Information			Subcontract Laboratory Information			Analytical Information										
Name: Accutest New England			Name: Accutest - New Jersey													
Address: 50 D'Angelo Drive			Address: 2235 Route 130													
City: Marlborough	State: MA	Zip: 01752	City: Dayton	State: NJ	Zip: 08810											
Send Report to: Frankd@accutest.com			Contact: Sample Management													
Any questions contact: Frank D'Agostino																
Phone/Fax #: (508)481-6200 / (508)481-7753			Phone: (732) 329-0200													

	Collection				Preservation									
Field ID / Point of Collection	Date	Time	Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None	BTU**	SULFUR (EPA D129-64)			Comments
MC30024 -11	4/22/14	4:15 PM	SO	1					X	X	X			
MC30024 -12	4/22/14	4:00 PM	SO	1					X	X	X			
MC30024 -13	4/22/14	4:25 PM	SO	1					X	X	X			
MC30024 -14	4/22/14	4:35 PM	SO	1					X	X	X			
MC30024 -15	4/23/14	9:15 AM	SO	1					X	X	X			
MC30024 -16	4/23/14	9:40 AM	SO	1					X	X	X			
MC30024 -17	4/23/14	10:10 AM	SO	1					X	X	X			
MC30024 -18	4/23/14	10:35 AM	SO	1					X	X	X			
MC30024 -19	4/23/14	11:00 AM	SO	1					X	X	X			
MC30024 -20	4/23/14	1:25 PM	SO	1					X	X	X			

	Data Deliverable Information		Comments / Remarks
[x] STD	[x] Commercial "A"	[ ] PDF	STD - Due 5/7/14
[ ] Other _____ (Days)	[ ] Commercial "B"	[ ] Compact Disk Deliverable	**BTU: Need MDL of 100 BTU/LB
	[ ] Commercial "BN"	[ ] Electronic Delivery:	
	[ ] Reduced Tier 1	[ ] State Forms	
10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.	[ ] Full Tier 1	[ ] Other (Specify)	

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

Relinquished by:	Date & Time:	Received By:	Date & Time:	Seal #:	Headspace:
1	4/23/14	1 FED EX	1		Yes [No] NA [ ]
Relinquished by:		Received By:	Date & Time:	Preserved where applicable:	
2		2	2	[ ]	
Relinquished by:	Date & Time:	Received By:	Date & Time:	Temperature °C _____	On Ice [ ]
3		3	3		

MC30024: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC30024 **Client:** GEI **Immediate Client Services Action Required:** No

Date / Time Received: 4/23/2014 **Delivery Method:** **Client Service Action Required at Login:** No

Project: CLAREMONT **No. Coolers:** 3 **Airbill #'s:**

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

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

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

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

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

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC30024: Chain of Custody
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ACCUTEST.

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CHAIN OF CUSTODY

Fedex# 6003 3444 7860

495 Tech Center West, Bldg 1, Marlboro, MA 01752
TEL: (508)481-6200 FAX: (508)481-7753

Accutest Job #:	MC30024
Accutest Quote #:	Page 1 of 2
AMS P.O. #:	
Project No.:	

Client Information			Subcontract Laboratory Information			Analytical Information						
Name: Accutest New England			Name: Accutest - New Jersey									
Address: 50 D'Angelo Drive			Address: 2235 Route 130									
City: Marlborough	State: MA	Zip: 01752	City: Dayton	State: NJ	Zip: 08810							
Send Report to: Frankd@accutest.com			Contact: Sample Management									
Any questions contact: Frank D'Agostino												
Phone/Fax #: (508)481-6200 / (508)481-7753			Phone: (732) 329-0200									

	Collection				Preservation									
Field ID / Point of Collection	Date	Time		Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None	BTU**	SULFUR (EPA D129-64)				Comments
MC30024 -1	4/21/14	12:00 PM		SO	1					x	X	X				MA
MC30024 -2	4/21/14	2:40 PM		SO	1					x	X	X				
MC30024 -3	4/21/14	3:30 PM		SO	1					x	X	X				
MC30024 -4	4/21/14	4:30 PM		SO	1					x	X	X				
MC30024 -5	4/22/14	9:00 AM		SO	1					x	X	X				
MC30024 -6	4/22/14	9:55 AM		SO	1					x	X	X				
MC30024 -7	4/22/14	10:40 AM		SO	1					x	X	X				
MC30024 -8	4/22/14	11:15 AM		SO	1					x	X	X				
MC30024 -9	4/22/14	12:00 PM		SO	1					x	X	X				
MC30024 -10	4/22/14	3:10 PM		SO	1					x	X	X				

Data Deliverable Information

Comments / Remarks

[x] STD
[ ] Other _____ (Days)

10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.

[x] Commercial "A" 4/29/14
[ ] Commercial "B"
[ ] Commercial "BN"
[ ] Reduced Tier 1
[ ] Full Tier 1
[ ] PDF
[ ] Compact Disk Deliverable
[ ] Electronic Delivery:
[ ] State Forms
[ ] Other (Specify)

STD - Due 5/7/14
**BTU: Need MDL of 100 BTU/LB

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

Relinquished by: 1	4/28/14	Received By: 1 FedEx	Date & Time: 1	Seal #:	Headspace: Yes [ ] No [ ] NA [ ]
Relinquished by: 2 FedEx	4/29/14 10:15	Received By: 2	Date & Time: 2 4/29/14 1015	Preserved where applicable:	
Relinquished by: 3	Date & Time:	Received By: 3	Date & Time: 3	Temperature °C 2.3 °F	On Ice

2 ANS

MC30024: Chain of Custody
Page 1 of 3
Accutest New Jersey

ACCUTEST.

CHAIN OF CUSTODY

495 Tech Center West, Bldg 1, Marlboro, MA 01752
TEL: (508)481-6200 FAX: (508)481-7753

Accutest Job #:	MC30024
Accutest Quote #:	Page 2 of 2
AMS P.O. #:	
Project No.:	

Client Information			Subcontract Laboratory Information		
Name: Accutest New England			Name: Accutest - New Jersey		
Address: 50 D'Angelo Drive			Address: 2235 Route 130		
City: Marlborough	State: MA	Zip: 01752	City: Dayton	State: NJ	Zip: 08810
Send Report to: Frankd@accutest.com			Contact: Sample Management		
Any questions contact: Frank D'Agostino					
Phone/Fax #: (508)481-6200 / (508)481-7753			Phone: (732) 329-0200		

Field ID / Point of Collection	Collection Date	Collection Time		Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	BTU**	SULFUR (EPA D129-64)				Comments
MC30024 -11	4/22/14	4:15 PM		SO	1					x	X	X				
MC30024 -12	4/22/14	4:00 PM		SO	1					x	X	X				
MC30024 -13	4/22/14	4:25 PM		SO	1					x	X	X				
MC30024 -14	4/22/14	4:35 PM		SO	1					x	X	X				
MC30024 -15	4/23/14	9:15 AM		SO	1					x	X	X				
MC30024 -16	4/23/14	9:40 AM		SO	1					x	X	X				
MC30024 -17	4/23/14	10:10 AM		SO	1					x	X	X				
MC30024 -18	4/23/14	10:35 AM		SO	1					x	X	X				
MC30024 -19	4/23/14	11:00 AM		SO	1					x	X	X				
MC30024 -20	4/23/14	1:25 PM		SO	1					x	X	X				

	Data Deliverable Information		Comments / Remarks
x STD	x Commercial "A"	PDF	STD - Due 5/7/14
Other _____ (Days)	Commercial "B"	Compact Disk Deliverable	**BTU: Need MDL of 100 BTU/LB
	Commercial "BN"	Electronic Delivery:	
	Reduced Tier 1	State Forms	
10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.	Full Tier 1	Other (Specify)	

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

Relinquished by: 1	4/23/14	Received By: 1 FedEx	Date & Time: 1	Seal #:	Headspace: Yes No NA
Relinquished by: 2 FedEx	4/29/14 1015	Received By: 2	Date & Time: 2 4/29/14 1015	Preserved where applicable:	
Relinquished by: 3	Date & Time:	Received By: 3	Date & Time: 3	Temperature °C _____	On Ice

MC30024: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC30024 **Client:** **Project:**

Date / Time Received: 4/29/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.3/2.3); 0

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

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

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

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

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

Comments

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

MC30024: Chain of Custody
Page 3 of 3

New England ACCUTEST LABORATORIES

05/07/14



Technical Report for

GEI/Atlantic

Former MGP Site, Claremont, NH

Accutest Job Number: MC30024A

Sampling Dates: 04/21/14 - 04/23/14

Report to:

GEI Consultants Inc.
18000 Horizon Drive Suite 200
Mount Laurel, NJ 08054
ARoyko@geiconsultants.com

ATTN: J. Stynchula

Total number of pages in report: **297**

NELAP ACCREDITED TNI LABORATORY

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

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GEI/Atlantic

Job No: MC30024A

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-1A	04/21/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-24/9
MC30024-2A	04/21/14	14:40	LSGS	04/23/14	SO	Soil	CLMT-SB-5
MC30024-3A	04/21/14	15:30	LSGS	04/23/14	SO	Soil	CLMT-SB-7
MC30024-4A	04/21/14	16:30	LSGS	04/23/14	SO	Soil	CLMT-SB-8
MC30024-5A	04/22/14	09:00	LSGS	04/23/14	SO	Soil	CLMT-SB-10
MC30024-6A	04/22/14	09:55	LSGS	04/23/14	SO	Soil	CLMT-SB-11
MC30024-7A	04/22/14	10:40	LSGS	04/23/14	SO	Soil	CLMT-SB-12
MC30024-8A	04/22/14	11:15	LSGS	04/23/14	SO	Soil	CLMT-SB-14
MC30024-9A	04/22/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-17
MC30024-10A	04/22/14	15:10	LSGS	04/23/14	SO	Soil	CLMT-SB-23
MC30024-11A	04/22/14	16:15	LSGS	04/23/14	SO	Soil	CLMT-SB-22
MC30024-12A	04/22/14	16:00	LSGS	04/23/14	SO	Sediment	CLMT-SED-1
MC30024-13A	04/22/14	16:25	LSGS	04/23/14	SO	Soil	CLMT-SB-21

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

Sample Summary
(continued)

GEI/Atlantic

Job No: MC30024A

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-14A	04/22/14	16:35	LSGS	04/23/14	SO	Soil	CLMT-SB-1
MC30024-15A	04/23/14	09:15	LSGS	04/23/14	SO	Soil	CLMT-SB-15
MC30024-16A	04/23/14	09:40	LSGS	04/23/14	SO	Soil	CLMT-SB-13
MC30024-17A	04/23/14	10:10	LSGS	04/23/14	SO	Soil	CLMT-SB-16
MC30024-18A	04/23/14	10:35	LSGS	04/23/14	SO	Soil	CLMT-SB-18
MC30024-19A	04/23/14	11:00	LSGS	04/23/14	SO	Soil	CLMT-SB-19
MC30024-20A	04/23/14	13:25	LSGS	04/23/14	SO	Soil	CLMT-SB-20

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

Summary of Hits

Job Number: MC30024A
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-1A	**CLMT-SB-24/9**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-2A	**CLMT-SB-5**					
Other Patterns		Trace of Hydrocarbon Pattern Between C10-C33.				ASTM D3328-78
MC30024-3A	**CLMT-SB-7**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-4A	**CLMT-SB-8**					
Other Patterns		Trace of Coal Tart				ASTM D3328-78
MC30024-5A	**CLMT-SB-10**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-6A	**CLMT-SB-11**					
Other Patterns		Hydrocarbon Pattern Between C9-C36.				ASTM D3328-78
MC30024-7A	**CLMT-SB-12**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-8A	**CLMT-SB-14**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-9A	**CLMT-SB-17**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-10A	**CLMT-SB-23**					
Other Patterns		Hydrocarbon Pattern Between C9-C40.				ASTM D3328-78
MC30024-11A	**CLMT-SB-22**					
Other Patterns		Hydrocarbom Pattern Between C9-C40.				ASTM D3328-78

Summary of Hits

Job Number: MC30024A
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-12A	**CLMT-SED-1**					
No hits reported in this sample.						
MC30024-13A	**CLMT-SB-21**					
Other Patterns		Hydrocarbon Pattern Between C9-C40.				ASTM D3328-78
MC30024-14A	**CLMT-SB-1**					
Other Patterns		Hydrocarbon Pattern Between C13-C32.				ASTM D3328-78
MC30024-15A	**CLMT-SB-15**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-16A	**CLMT-SB-13**					
Other Patterns		Hydrocarbon Pattern Between C9-C33.				ASTM D3328-78
MC30024-17A	**CLMT-SB-16**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-18A	**CLMT-SB-18**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-19A	**CLMT-SB-19**					
Other Patterns		Coal Tart				ASTM D3328-78
MC30024-20A	**CLMT-SB-20**					
No hits reported in this sample.						

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: CLMT-SB-24/9
Lab Sample ID: MC30024-1A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 60.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660464.D	1	04/28/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-5
Lab Sample ID: MC30024-2A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 85.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660468.D	1	04/28/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.7 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Trace of Hydrocarbon Pattern Between C10-C33.			

ND = Not detected
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: CLMT-SB-7
Lab Sample ID: MC30024-3A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 87.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660492.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.6 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-8
Lab Sample ID: MC30024-4A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/21/14
Date Received: 04/23/14
Percent Solids: 66.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660460.D	1	04/28/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.4 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Trace of Coal Tart			

ND = Not detected
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: CLMT-SB-10
Lab Sample ID: MC30024-5A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 82.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660488.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.9 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-11
Lab Sample ID: MC30024-6A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660476.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbon Pattern Between C9-C36.			

ND = Not detected
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: CLMT-SB-12
Lab Sample ID: MC30024-7A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 71.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660532.D	1	04/30/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-14
Lab Sample ID: MC30024-8A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 57.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660528.D	1	04/30/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.2 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-17
Lab Sample ID: MC30024-9A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 68.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660524.D	10	04/30/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.2 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-23
Lab Sample ID: MC30024-10A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660504.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.5 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbon Pattern Between C9-C40.			

ND = Not detected
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:	CLMT-SB-22		
Lab Sample ID:	MC30024-11A	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	ASTM D3328-78 SW846 3580A	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660500.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.7 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbom Pattern Between C9-C40.			

ND = Not detected
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:	CLMT-SED-1		
Lab Sample ID:	MC30024-12A	**Date Sampled:**	04/22/14
Matrix:	SO - Sediment	**Date Received:**	04/23/14
Method:	ASTM D3328-78 SW846 3580A	**Percent Solids:**	58.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660456.D	1	04/28/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns				

ND = Not detected
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13A	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	ASTM D3328-78 SW846 3580A	**Percent Solids:**	98.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660516.D	1	04/30/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.7 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbon Pattern Between C9-C40.			

ND = Not detected
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: CLMT-SB-1
Lab Sample ID: MC30024-14A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/22/14
Date Received: 04/23/14
Percent Solids: 67.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660480.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.2 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbon Pattern Between C13-C32.			

ND = Not detected
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:	CLMT-SB-15		
Lab Sample ID:	MC30024-15A	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	ASTM D3328-78 SW846 3580A	**Percent Solids:**	76.1
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660496.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.3 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-13
Lab Sample ID: MC30024-16A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660508.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.5 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Hydrocarbon Pattern Between C9-C33.			

ND = Not detected
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: CLMT-SB-16
Lab Sample ID: MC30024-17A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 79.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660520.D	1	04/30/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	2.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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:	CLMT-SB-18		
Lab Sample ID:	MC30024-18A	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	ASTM D3328-78 SW846 3580A	**Percent Solids:**	62.2
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660484.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.6 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-19
Lab Sample ID: MC30024-19A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 72.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660512.D	1	04/29/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.4 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns	Coal Tart			

ND = Not detected
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: CLMT-SB-20
Lab Sample ID: MC30024-20A
Matrix: SO - Soil
Method: ASTM D3328-78 SW846 3580A
Project: Former MGP Site, Claremont, NH

Date Sampled: 04/23/14
Date Received: 04/23/14
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BC660472.D	1	04/28/14	KN	04/27/14	OP37816	GBC3617
Run #2							

	Initial Weight	Final Volume
Run #1	1.7 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	Gasoline (C4-C12)	NO MATCH			
	Turpentine (C9-C11)	NO MATCH			
	Mineral Spirits (C9-C12)	NO MATCH			
	Kerosene (C9-C18)	NO MATCH			
	Diesel /Fuel oil #2 (C9-C22)	NO MATCH			
	Fuel Oil #4 (C11-C24)	NO MATCH			
	Fuel Oil #6 (C11-C26)	NO MATCH			
	Other Patterns				

ND = Not detected
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

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC30024A

Client / Reporting Information

Company Name: GEI Consultants
Street Address: 18000 Horizon Way
City: Mt Laurel State: NJ Zip: 08054
Project Contact: JStynchula@geiconsultants.com E-mail:
Phone #: 856-608-6860 Fax #:
Sampler(s) Name(s): L Sutton/G.Schmidt Phone #:

Project Information

Project Name: Claremont
Street:
City: Claremont
Project#:
Client PO#:
Project Manager: J. Stynchula

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; L/O - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	8260 SOL	HM 8, AB8270APP, AB270PP	V, SULFUR, CN, TBU, PB0625	B8	V8015GRO	V8260STD	ZN,TL,SB,NI,BE	LAB USE ONLY
-1	CLMT-SB-24/9		4/21/14	12:00	LS	S	7				2	3	2			X	X	X	X	X	X	X	
-2	CLMT-SB-5		4/21/14	14:40	LS	S	7				2	3	2			X	X	X	X	X	X	X	
-3	CLMT-SB-7		4/21/14	15:30	LS	S	7				2	3	2			X	X	X	X	X	X	X	
-4	CLMT-SB-8		4/21/14	16:30	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-5	CLMT-SB-10		4/22/14	9:00	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-6	CLMT-SB-11		4/22/14	9:55	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-7	CLMT-SB-12		4/22/14	10:40	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-8	CLMT-SB-14		4/22/14	11:15	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-9	CLMT-SB-17		4/22/14	12:00	LS	S	8				2	4	2			X	X	X	X	X	X	X	
-10	CLMT-SB-23		4/22/14	15:10	LS	S	8				2	4	2			X	X	X	X	X	X	X	3D, 10I2
-11	CLMT-SB-22		4/22/14	16:15	LS	S	8				2	4	2			X	X	X	X	X	X	X	10I3, 10I5
-12	CLMT-SED-1		4/22/14	16:00	LS	S	8				2	4	2			X	X	X	X	X	X	X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date: Standard-Contract

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

WASTE CLASS

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/23/14 1510	1	2	4/23/14 1810	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp.
5		5					

4.1 4

MC30024A: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: MC30024A

Client / Reporting Information

Company Name: GEI Consultants
Street Address: 18000 Horizon Way
City: Mt Laurel State: NJ Zip: 08054
Project Contact: J. Stynchula E-mail: JStynchula@geiconsultants.com
Phone #: 856-608-6860 Fax #:
Sampler(s) Name(s): L. Sutton / G. Schmidt Phone #:

Project Information

Project Name: Claremont
Street:
City: Claremont
Project #:
Client PO#:
Project Manager: J. Stynchula

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	% SOL	VHM8, ABN270APP, ABN270SIM	VOC, CN, BTU, PBCB, PCB	B8	V8015GRO	V8260STD	ZN, TL, SB, NI, BE	LAB USE ONLY
-13	CLMT-SB-21		4/22/14	16:25	LS	S	8				2	1		2			X	X	X	X	X	X	X	
14	CLMT-SB-1		4/22/14	16:35	LS	S	8				2	4		2			X	X	X	X	X	X	X	
-15	CLMT-SB-15		4/23/14	9:15	LS	S	8				2	4		2			X	X	X	X	X	X	X	
16	CLMT-SB-13		4/23/14	9:40	LS	S	8				2	4		2			X	X	X	X	X	X	X	
-17	CLMT-SB-16		4/23/14	10:10	LS	S	8				2	4		2			X	X	X	X	X	X	X	
-18	CLMT-SB-18		4/23/14	10:35	LS	S	8				2	4		2			X	X	X	X	X	X	X	
-19	CLMT-SB-19		4/23/14	11:00	LS	S	8				2	4		2			X	X	X	X	X	X	X	
-20	CLMT-SB-20		4/23/14	13:25	LS	S	8				2	4		2			X	X	X	X	X	X	X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date: Standard Contract

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

WASTE CLASS

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/23/14 15:10	1	2	4/23/14 1810	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact	Preserved where applicable ☐ On Ice ☐ Cooler Temp.

MC30024A: Chain of Custody
Page 2 of 2

New England ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660464.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 17:28:06
Operator : kimmien
Sample : mc30024-1a,op37816
Misc : op37816,gbc3617,1.13,,,10,,
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:11:51 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

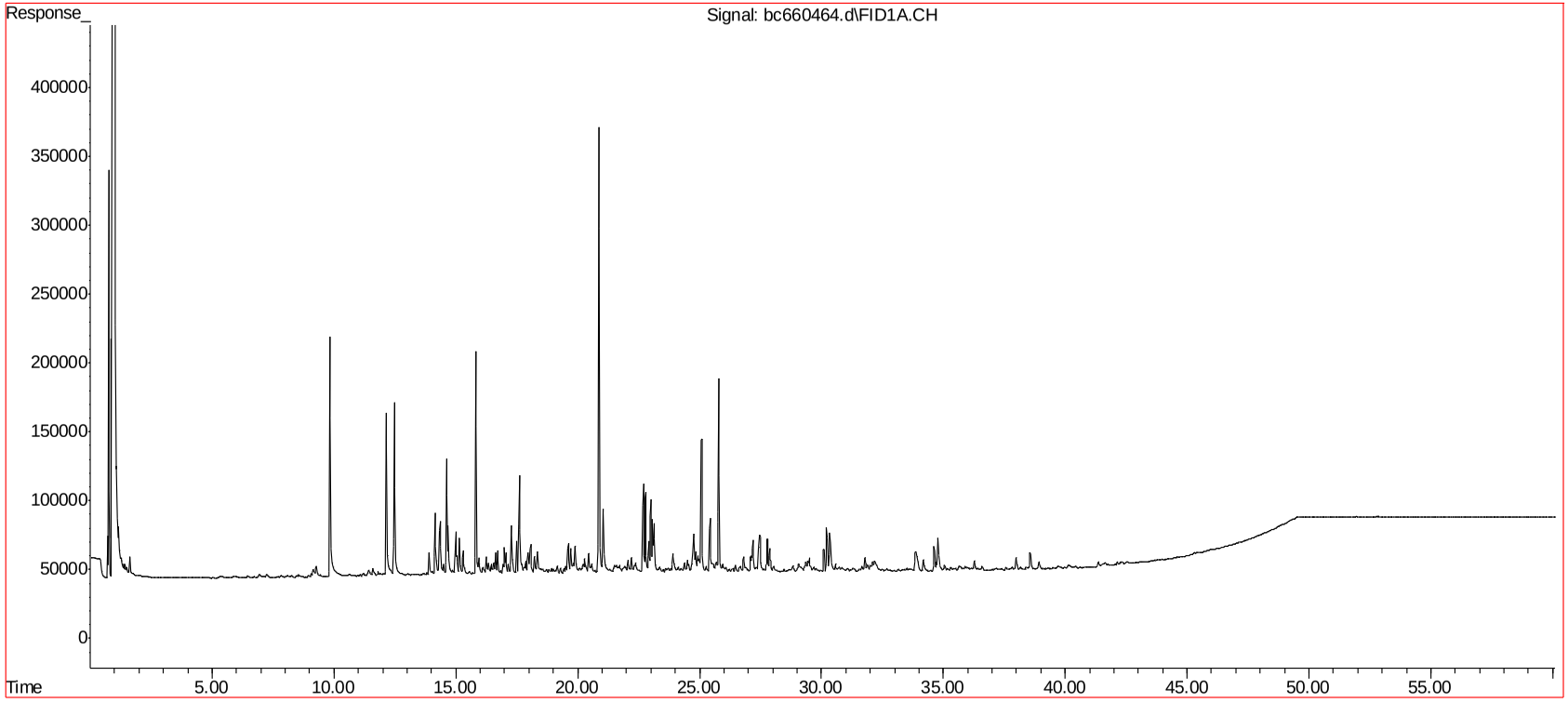
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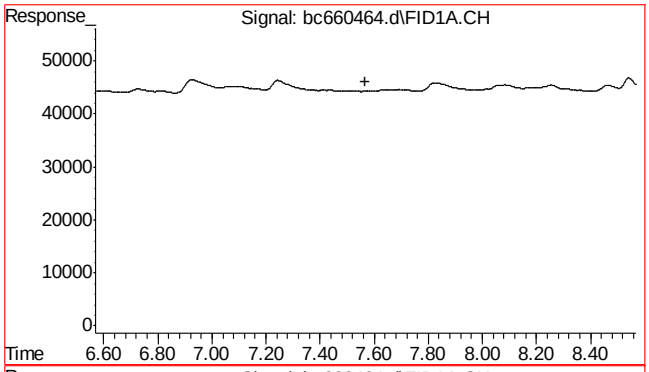
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660464.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 17:28:06
Operator : kimmien
Sample : mc30024-1a,op37816
Misc : op37816,gbc3617,1.13,,,10,,
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:11:51 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

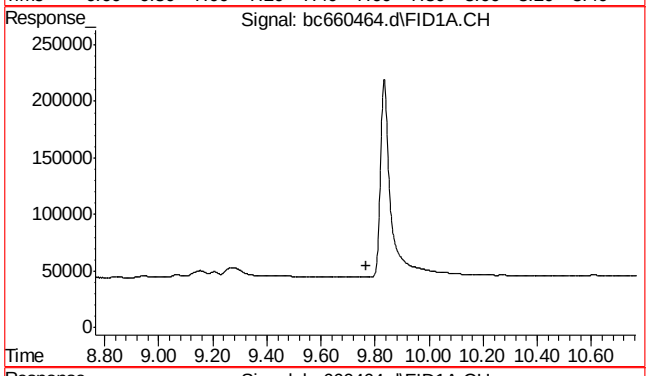
Volume Inj. :
Signal Phase :
Signal Info :





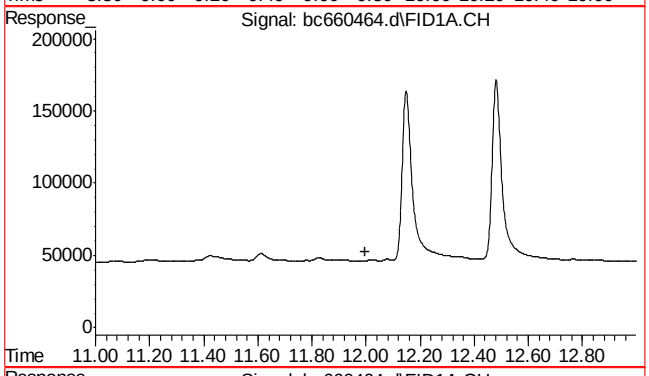
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



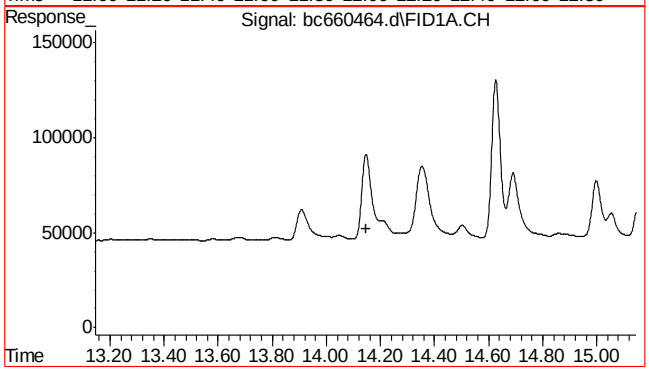
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



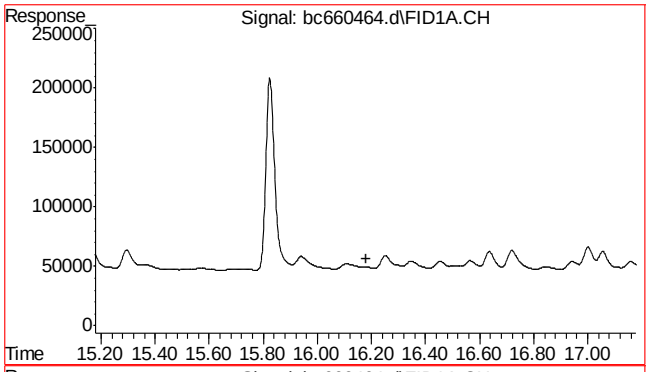
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



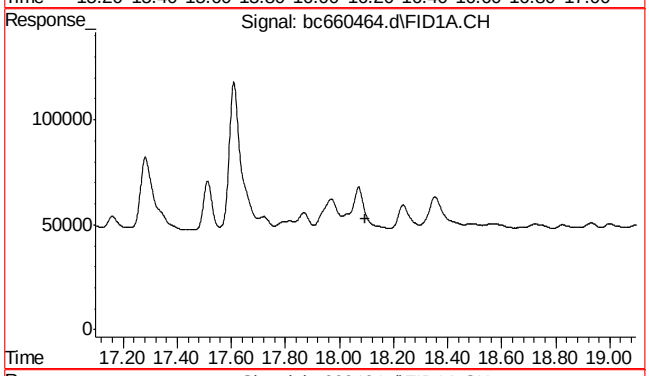
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



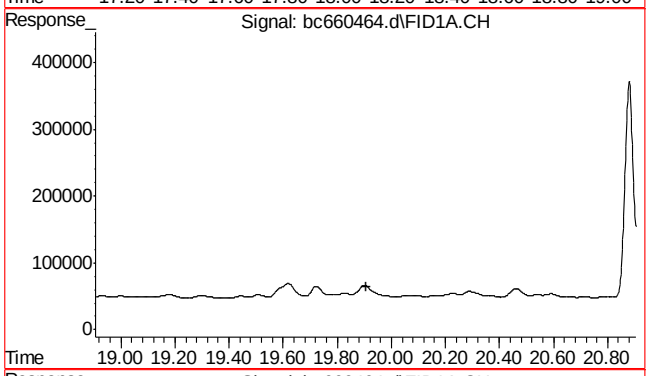
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



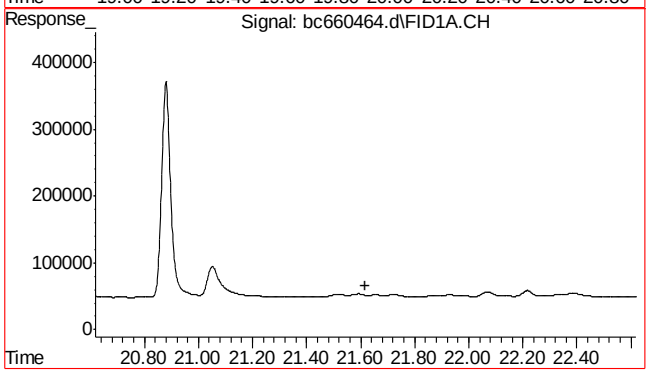
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



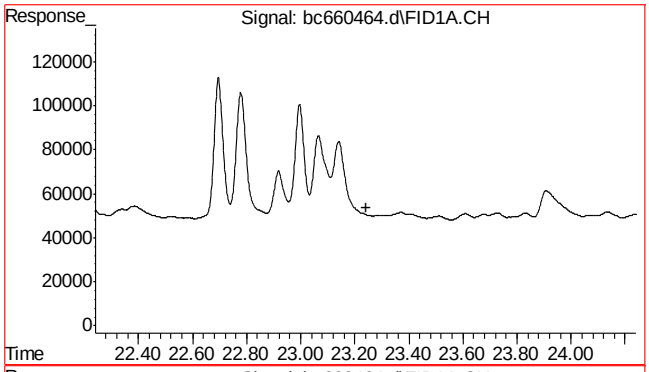
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



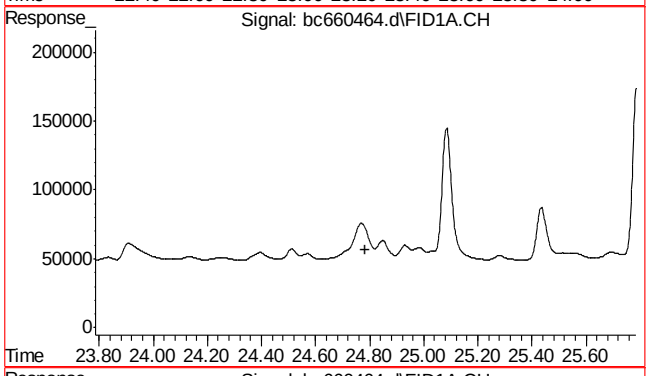
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



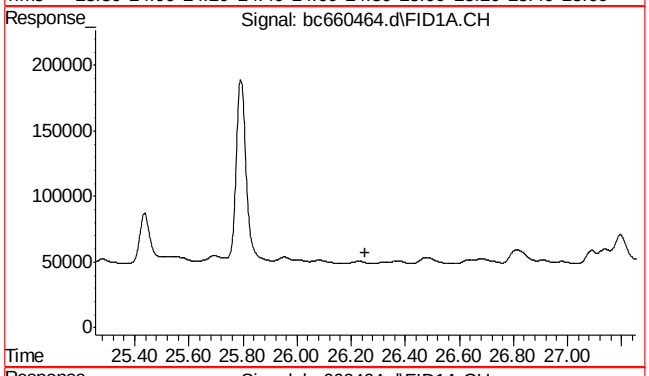
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



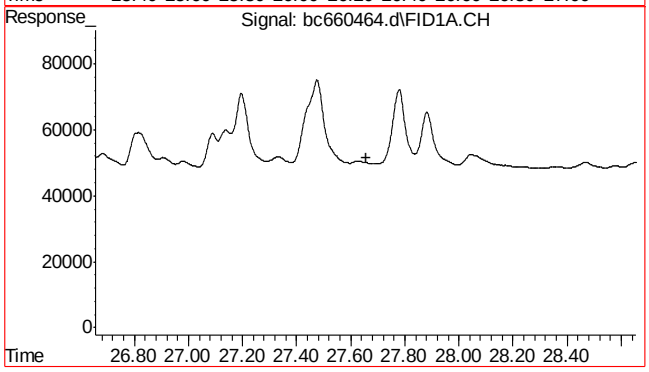
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



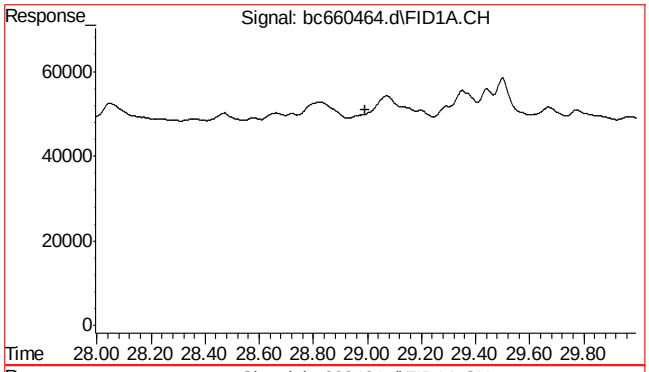
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



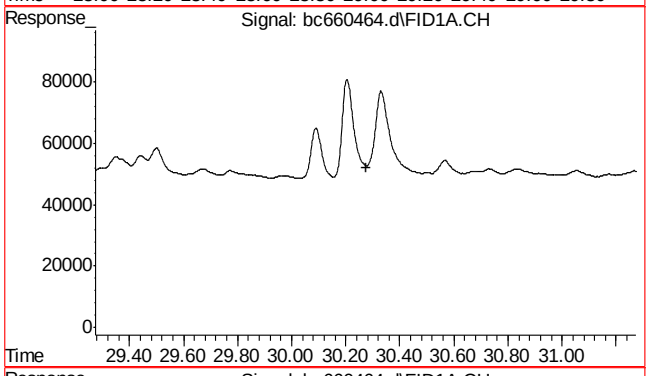
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



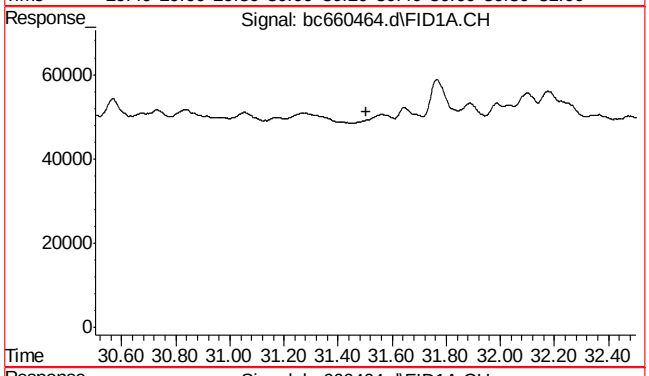
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



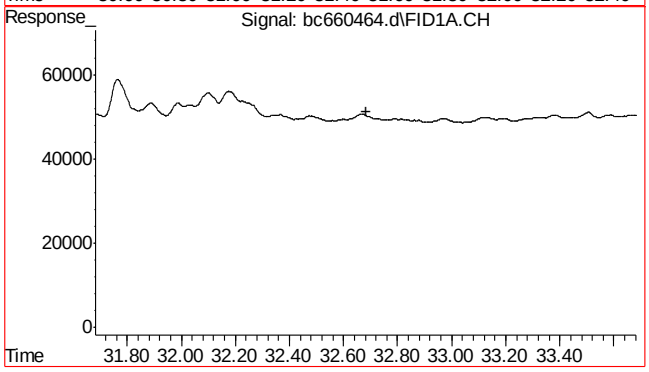
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



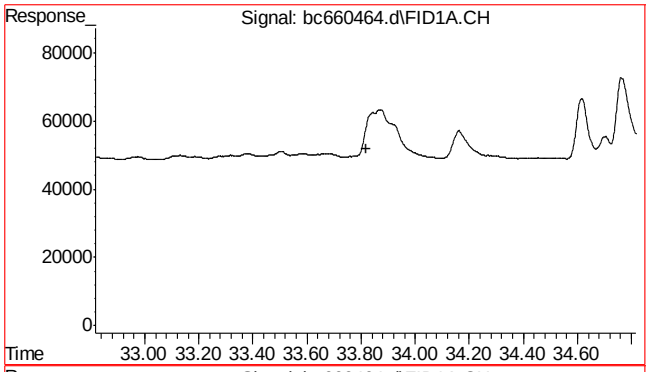
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



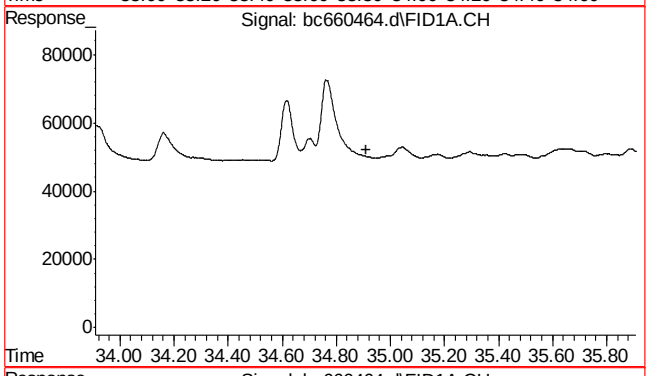
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



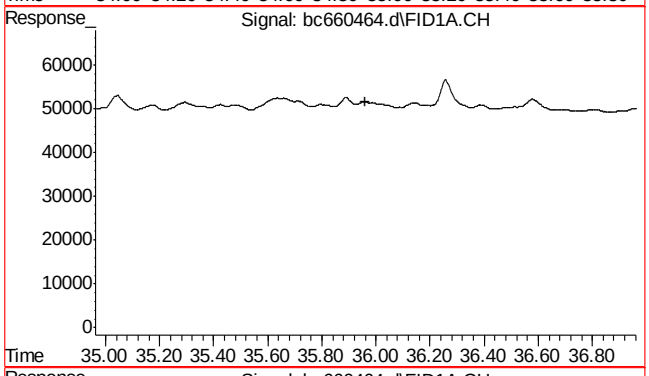
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



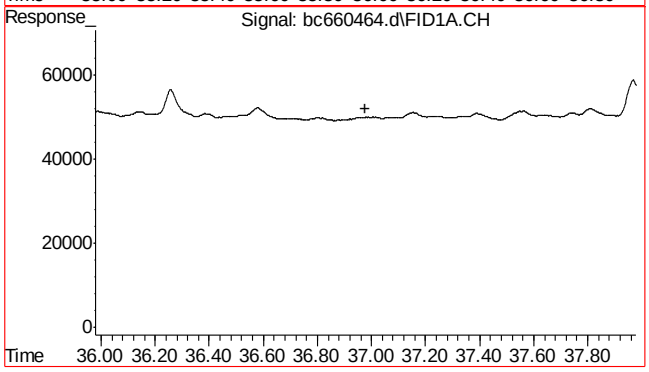
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



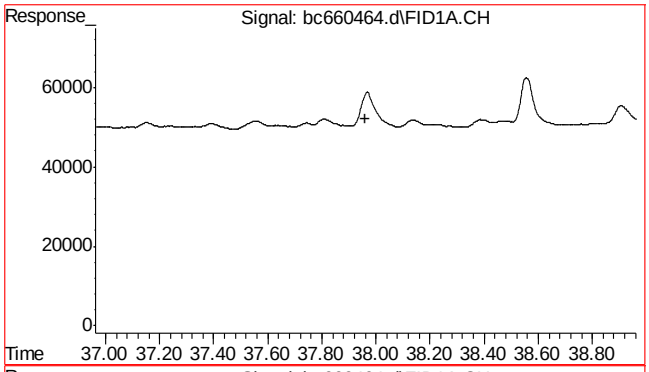
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



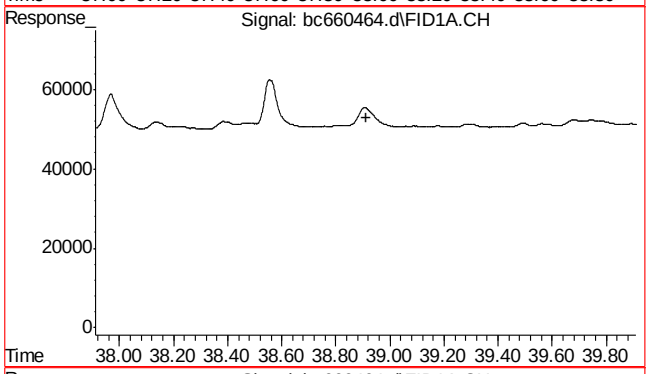
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



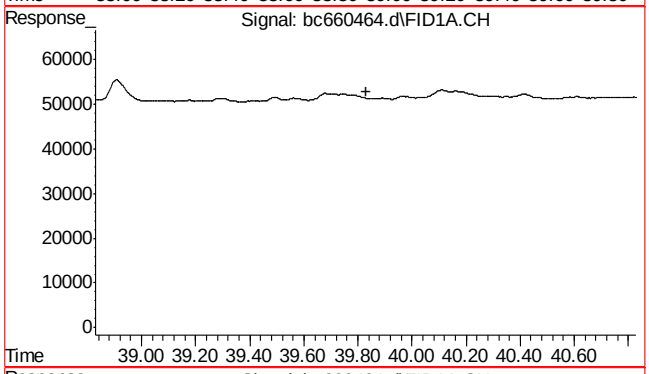
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



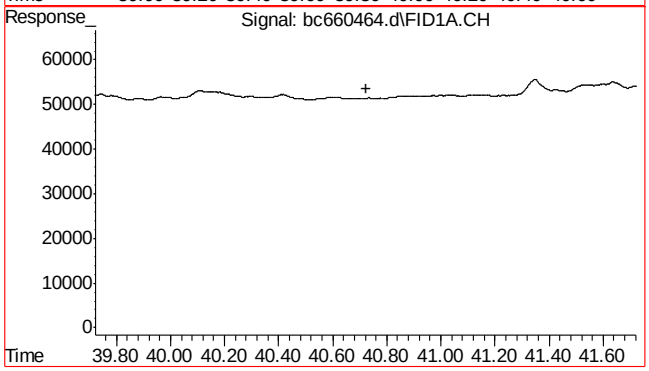
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



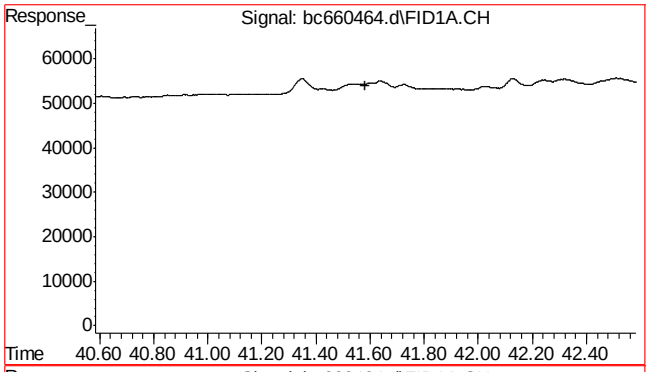
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



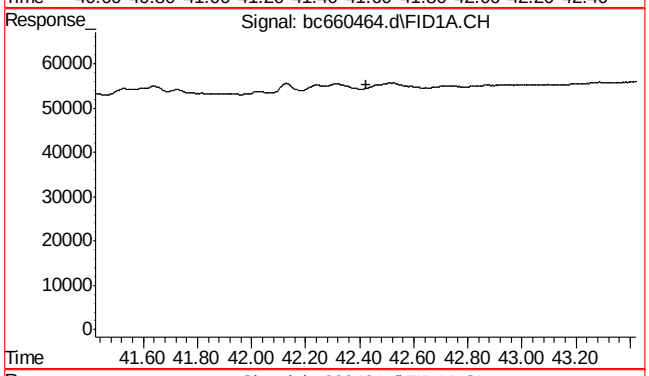
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



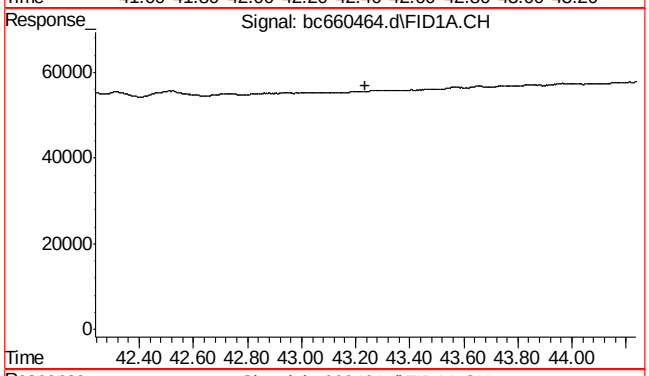
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



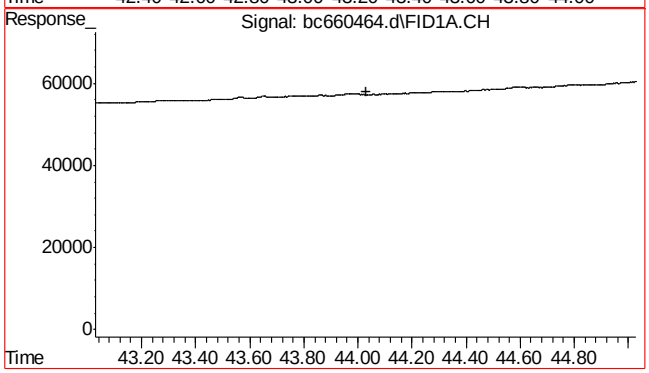
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



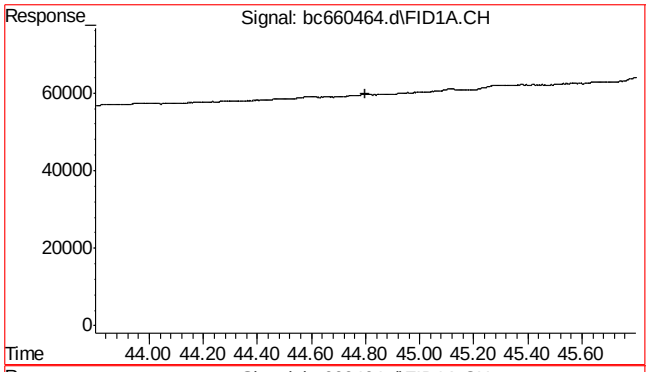
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



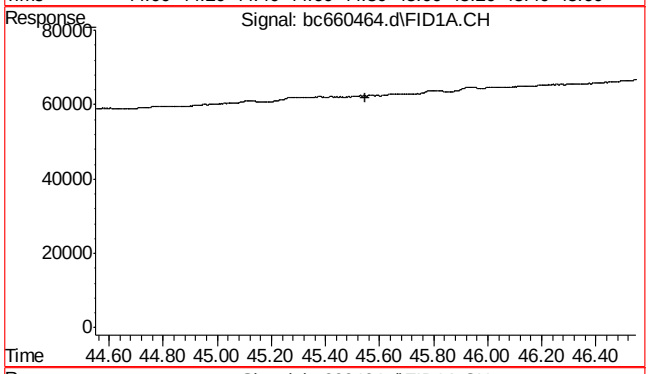
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



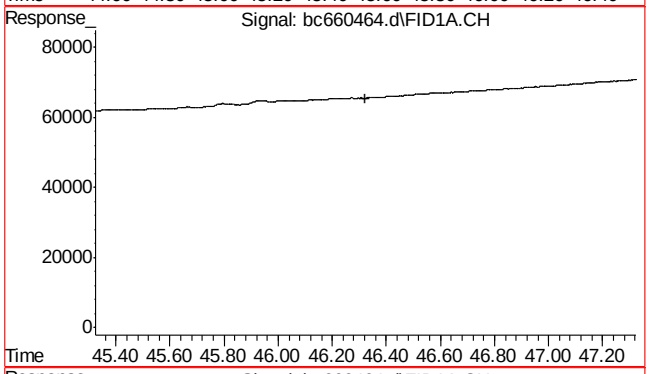
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



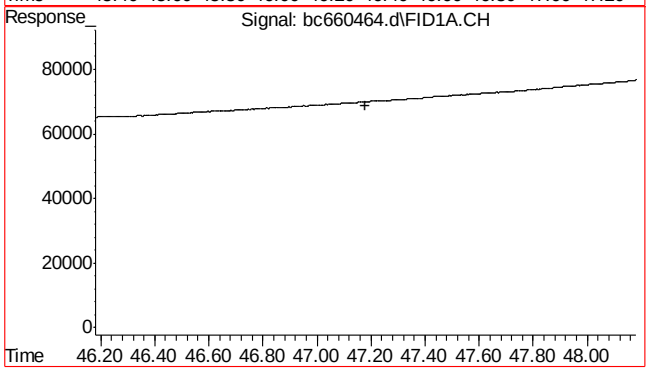
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



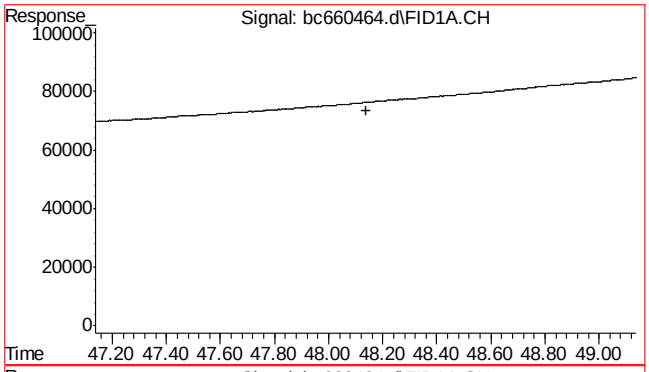
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



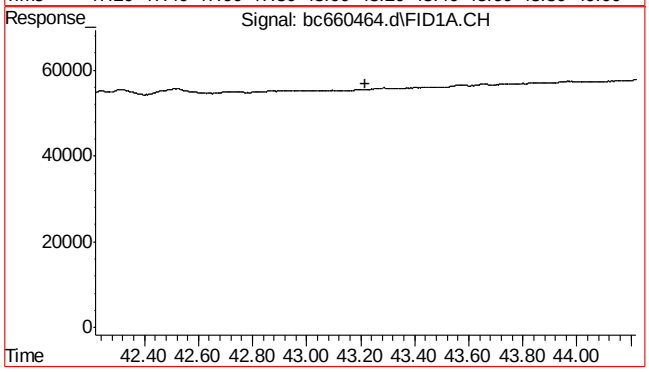
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660468.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 19:52:19
Operator : kimmien
Sample : mc30024-2a,op37816
Misc : op37816,gbc3617,1.71,,,10,,
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:12:32 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		Internal Standards				
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
		Target Compounds				
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

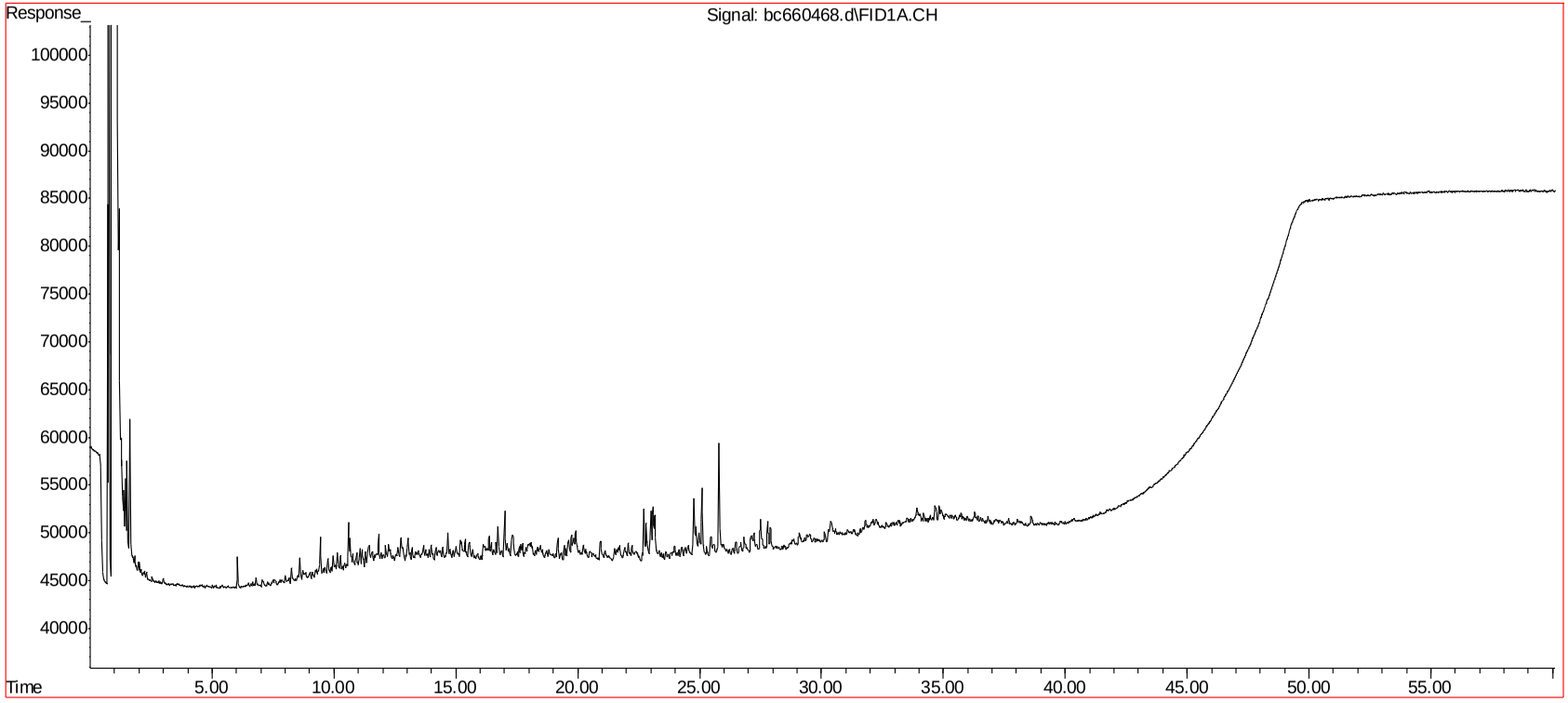
(f)=RT Delta > 1/2 Window (m)=manual int.

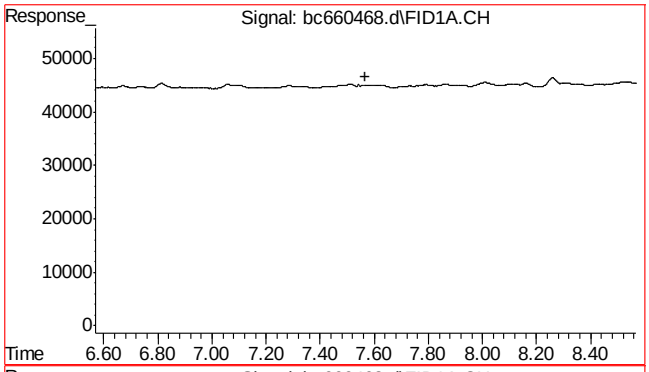
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660468.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 19:52:19
Operator : kimmien
Sample : mc30024-2a,op37816
Misc : op37816,gbc3617,1.71,,,10,,
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:12:32 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

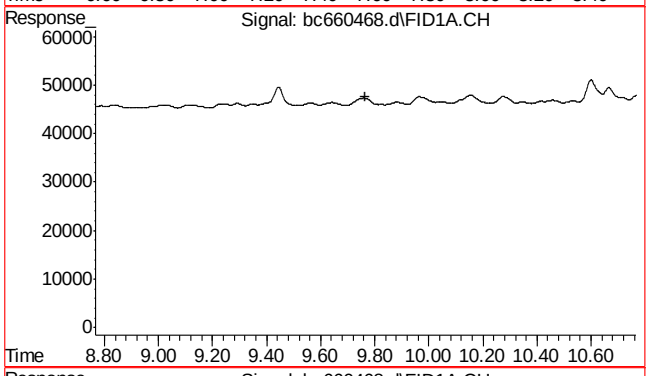
Volume Inj. :
Signal Phase :
Signal Info :





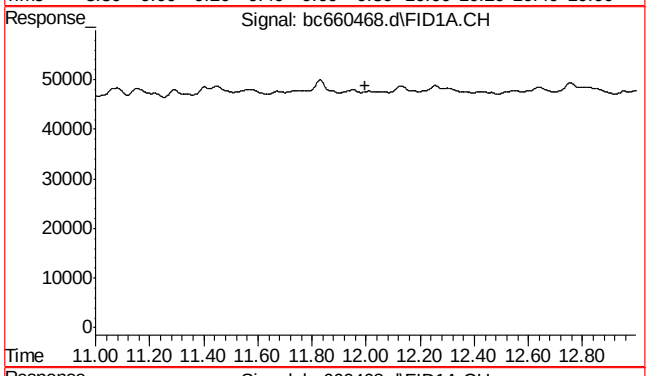
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



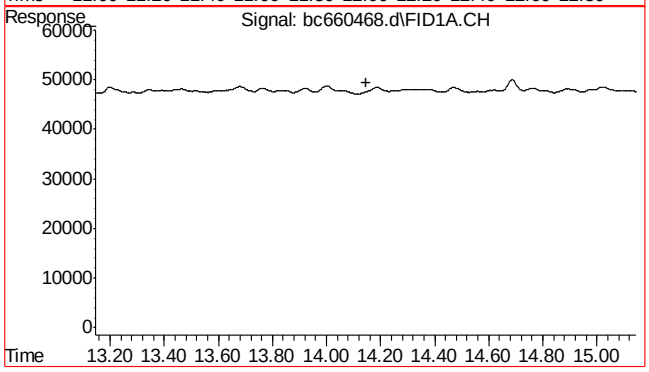
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



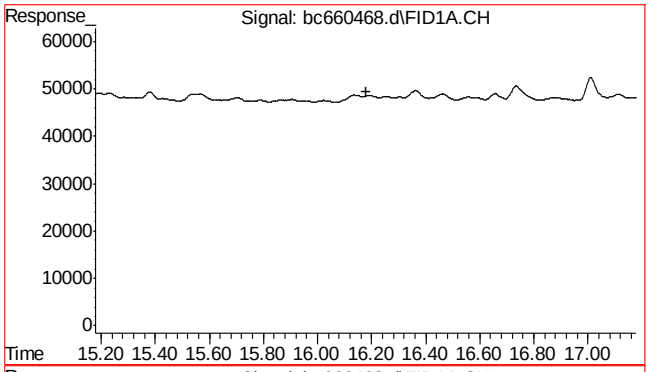
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



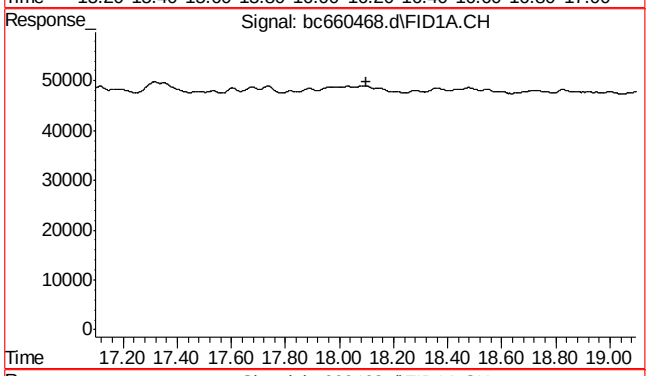
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



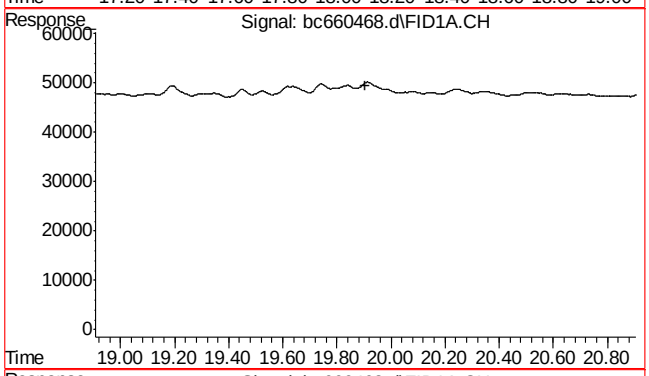
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



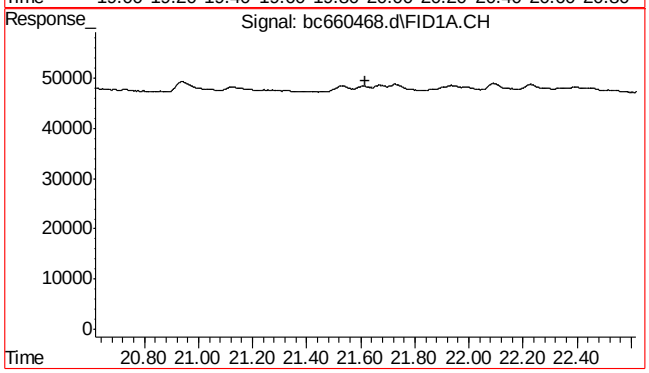
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



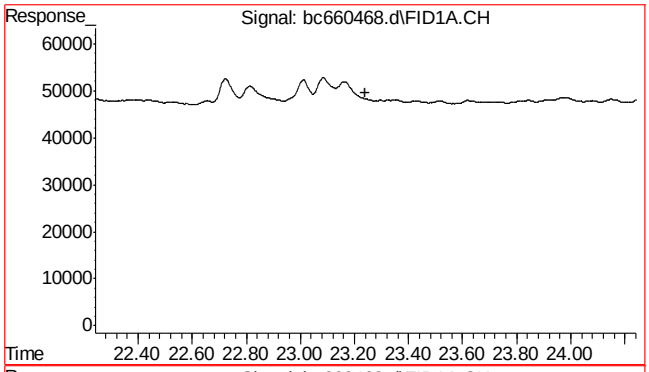
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



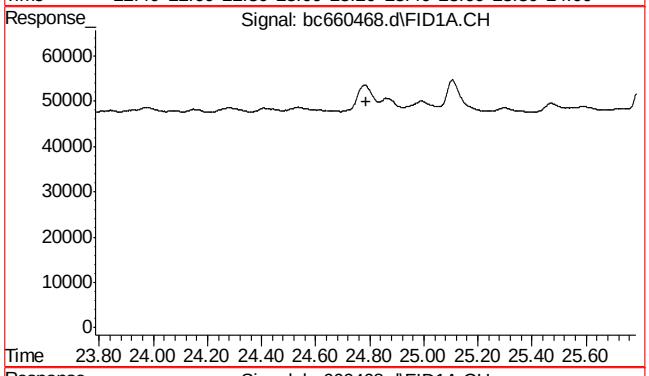
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



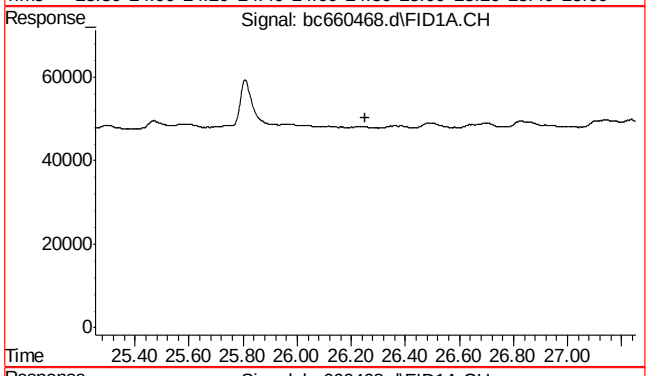
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



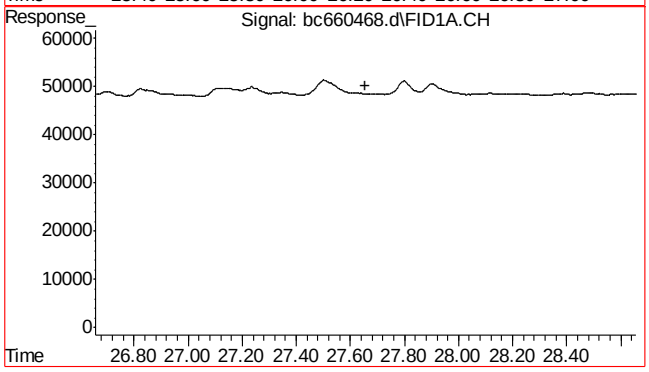
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



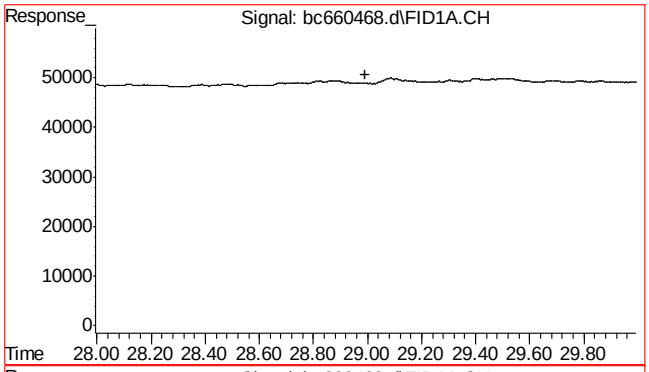
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



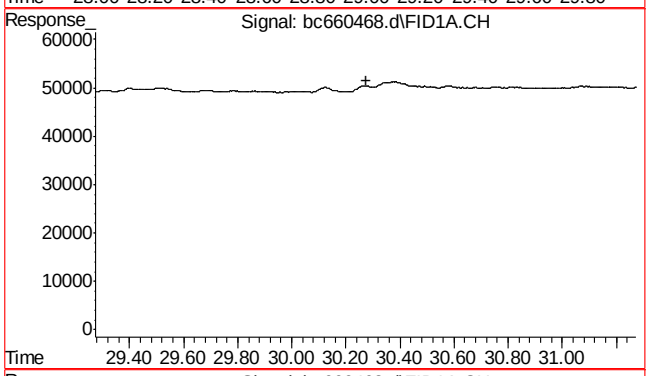
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



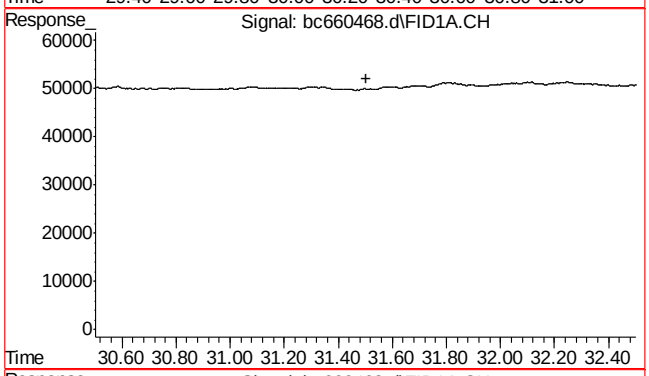
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



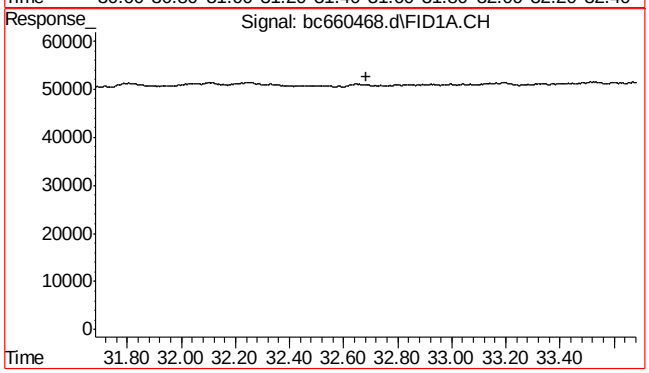
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



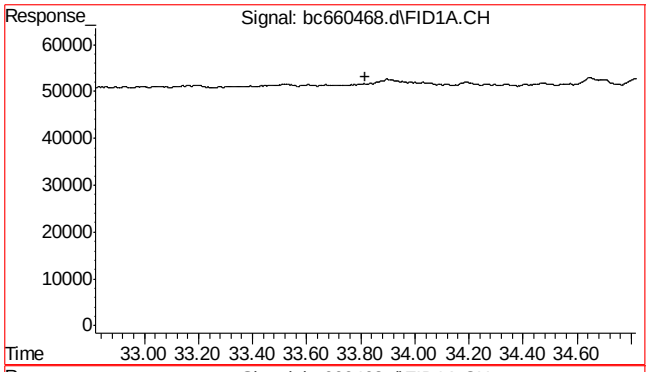
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



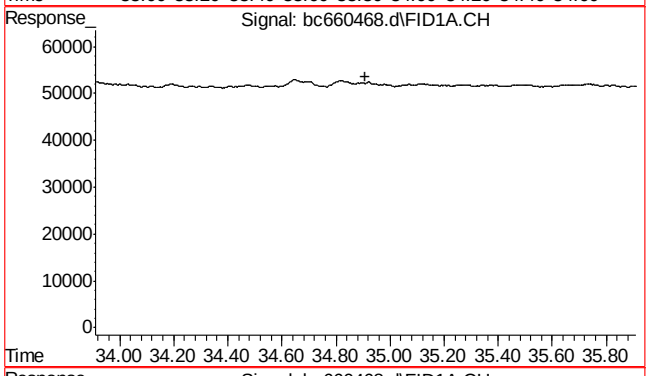
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



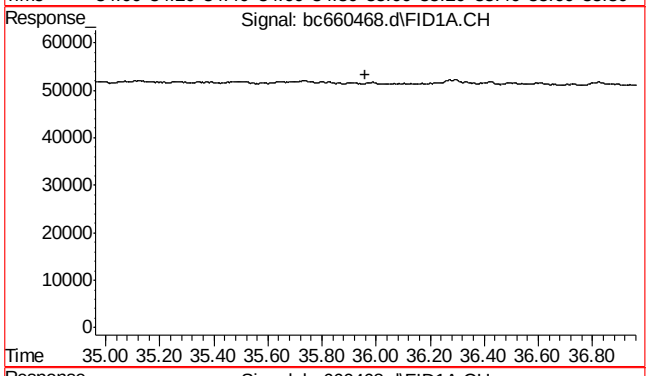
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



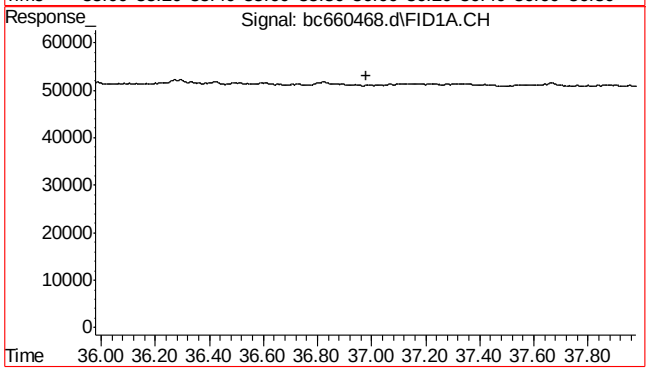
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



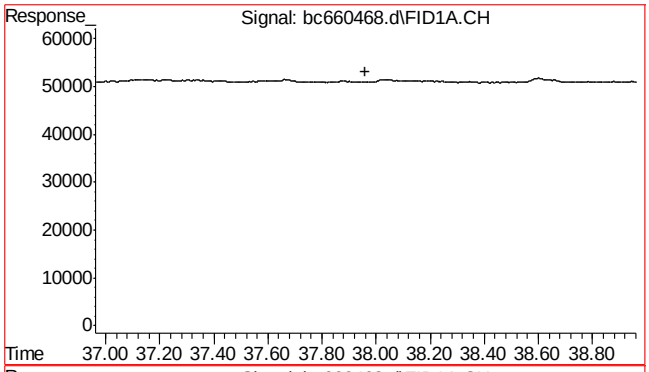
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



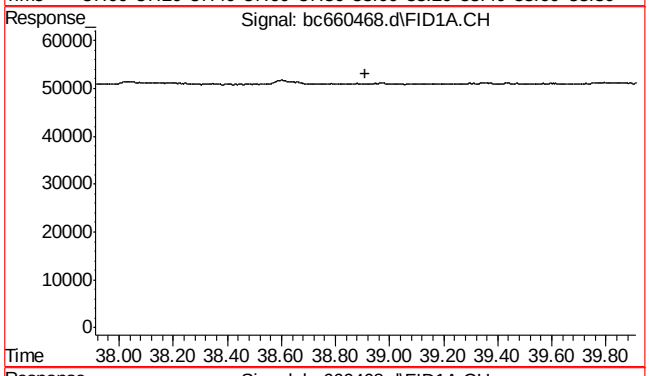
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



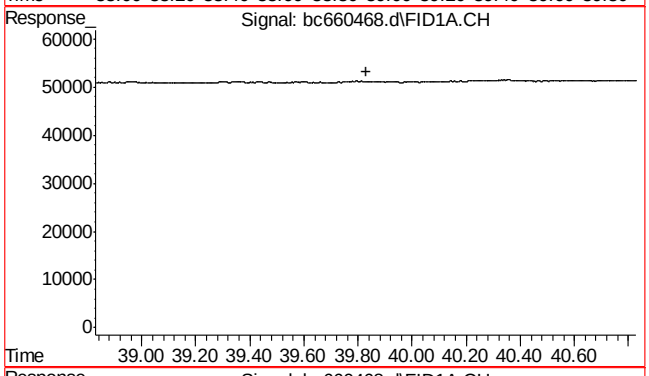
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



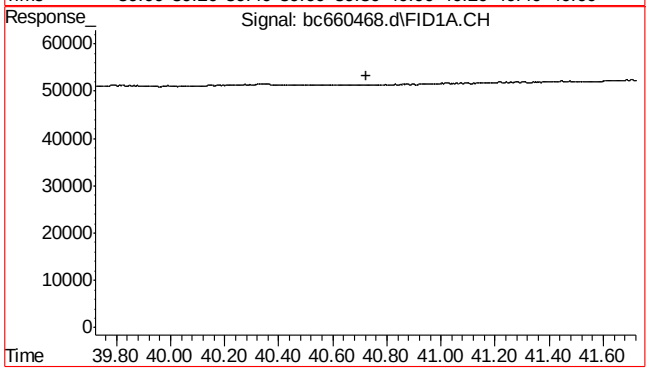
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



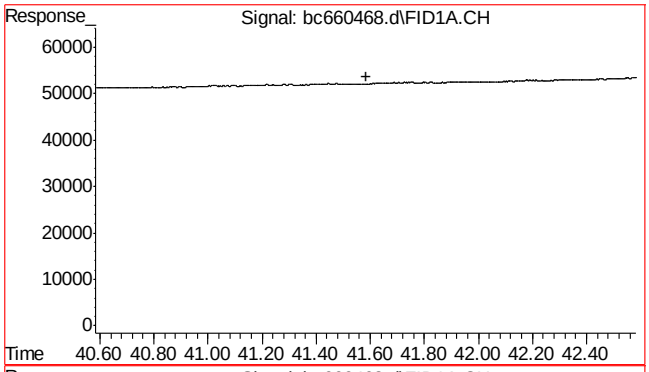
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



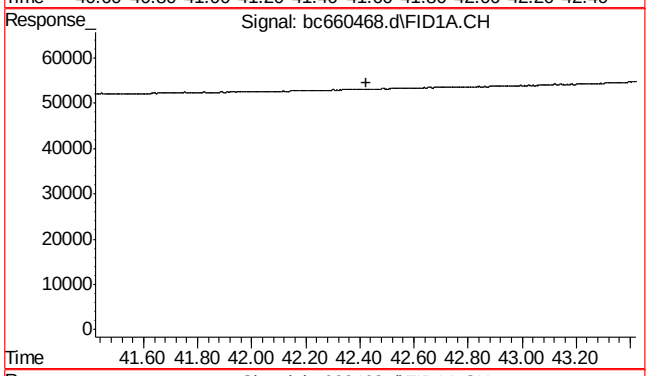
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



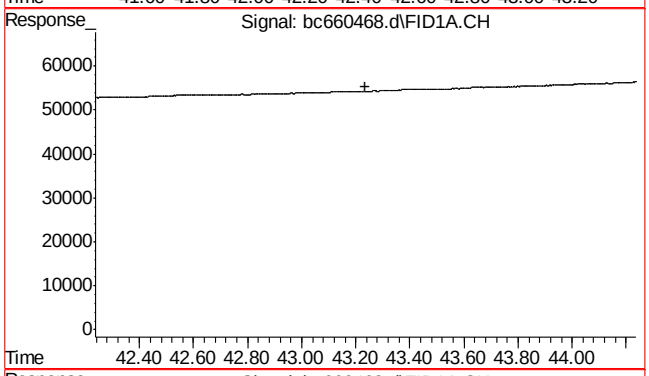
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



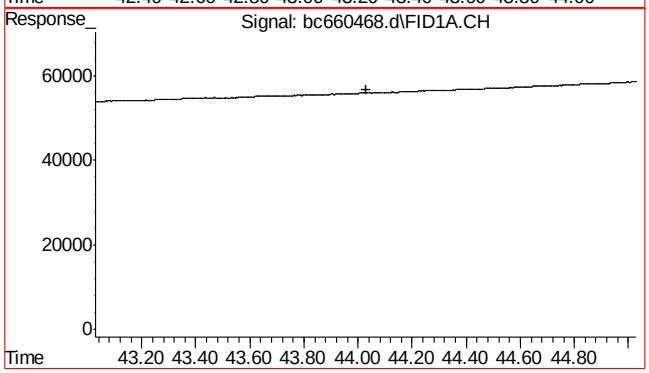
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



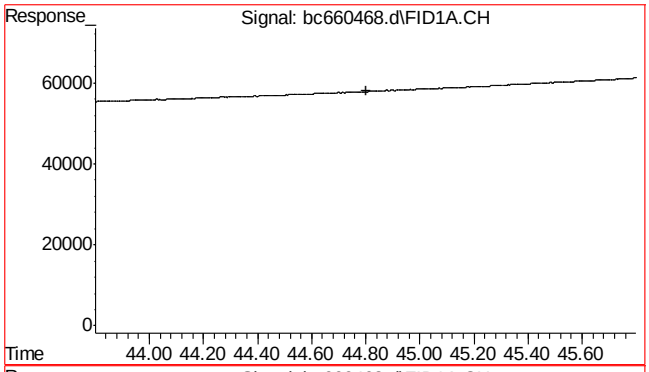
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



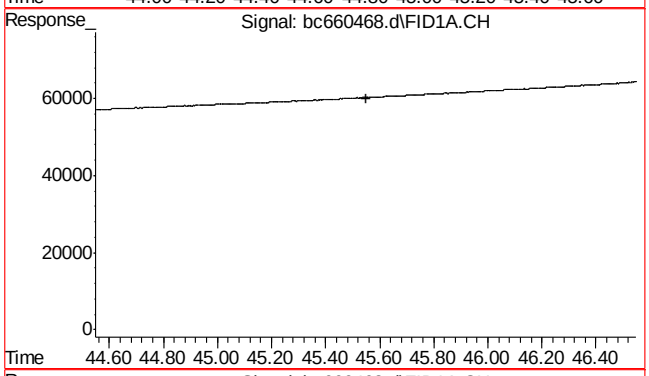
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



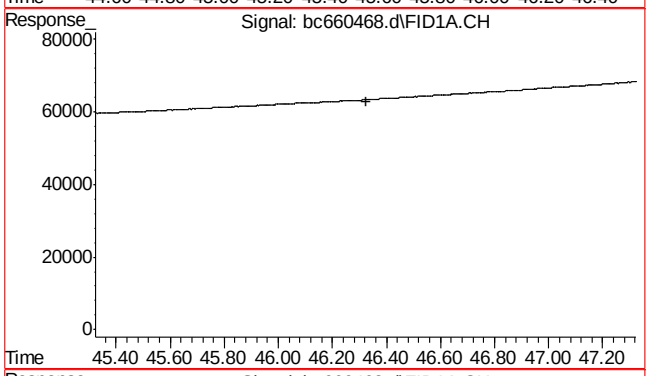
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



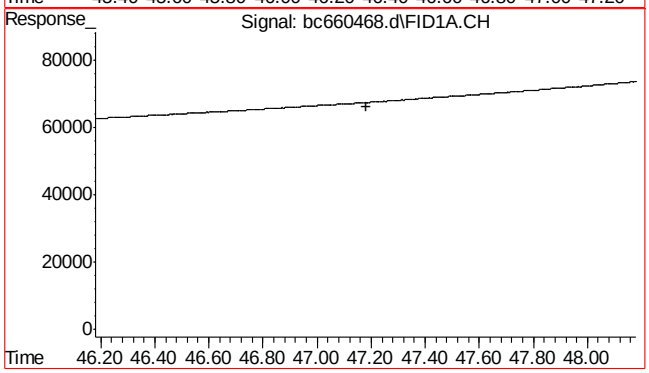
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



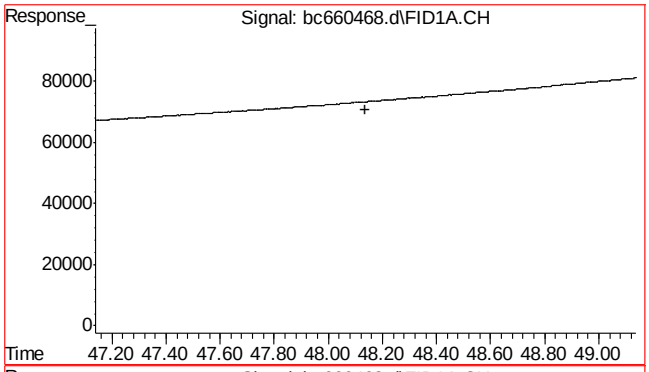
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



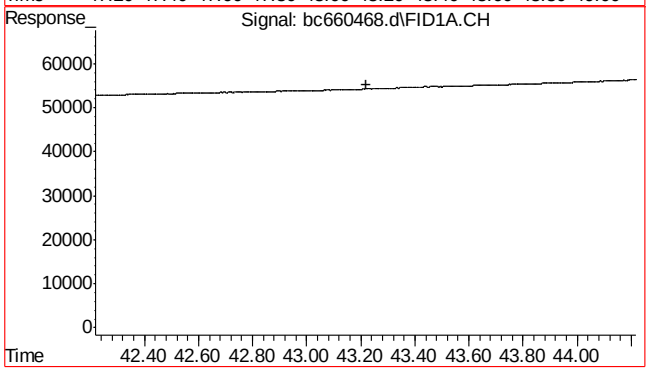
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660492.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 10:33:42
Operator : kimmien
Sample : mc30024-3a,op37816
Misc : op37816,gbc3617,1.59,,,10,,
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:17:16 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		Internal Standards				
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
		Target Compounds				
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd
		SemiQuant Compounds - Not Calibrated on this Instrument				

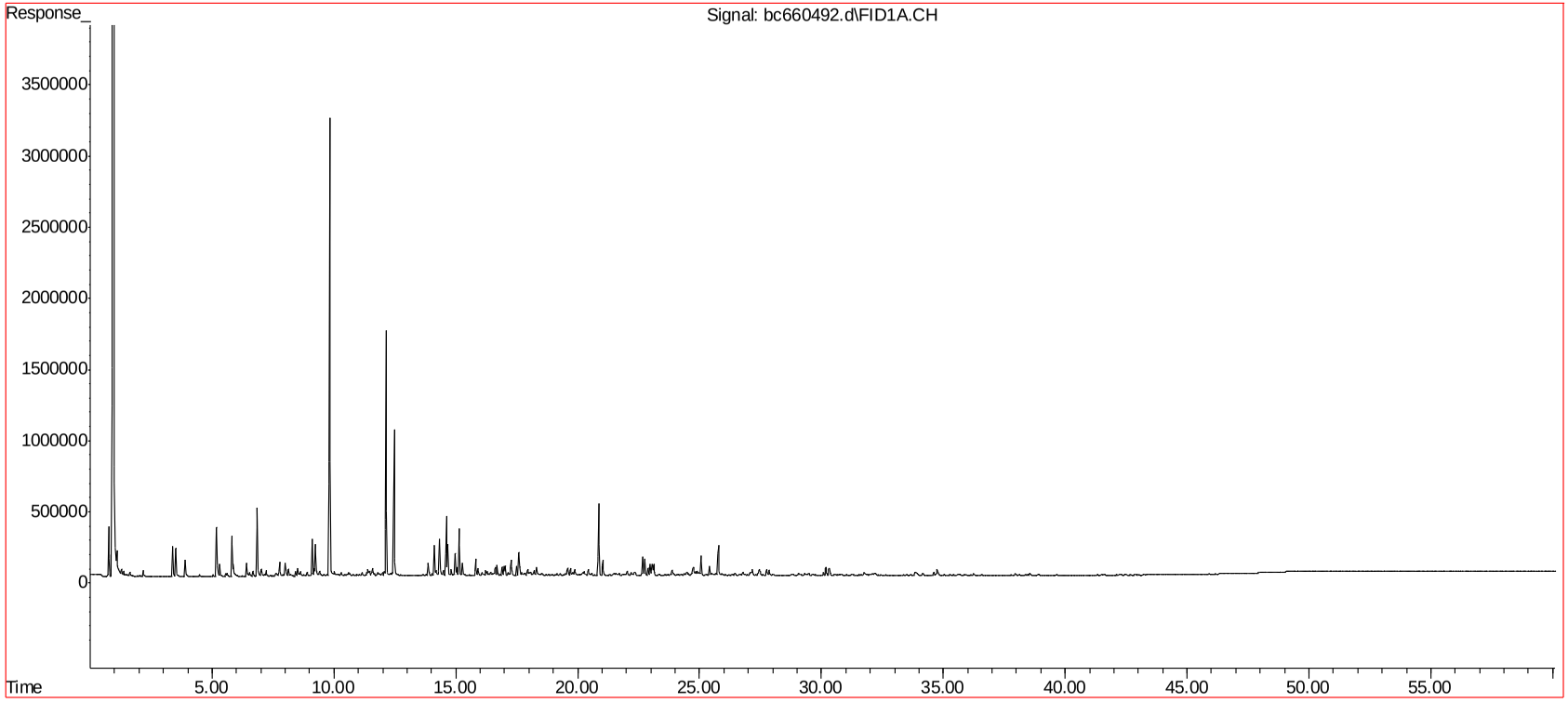
(f)=RT Delta > 1/2 Window (m)=manual int.

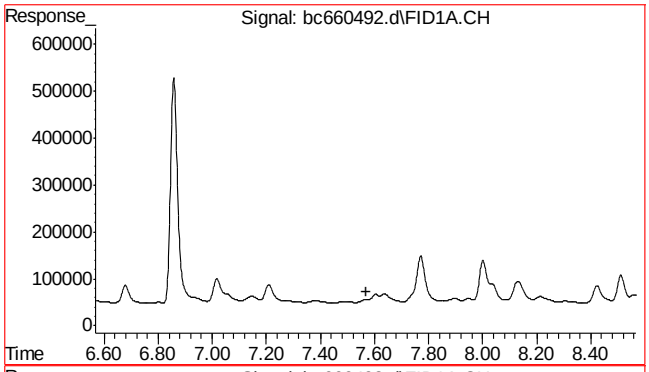
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660492.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 10:33:42
Operator : kimmien
Sample : mc30024-3a,op37816
Misc : op37816,gbc3617,1.59,,,10,,
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:17:16 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

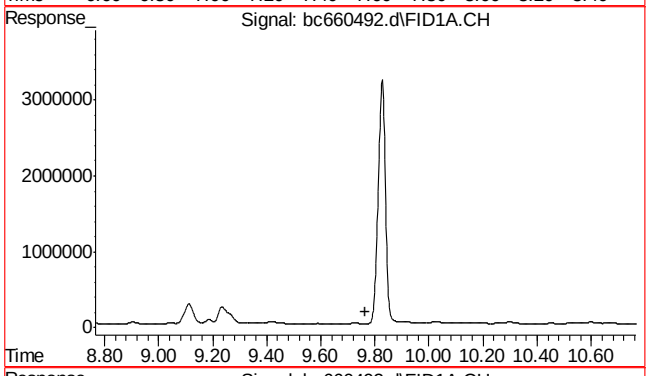
Volume Inj. :
Signal Phase :
Signal Info :





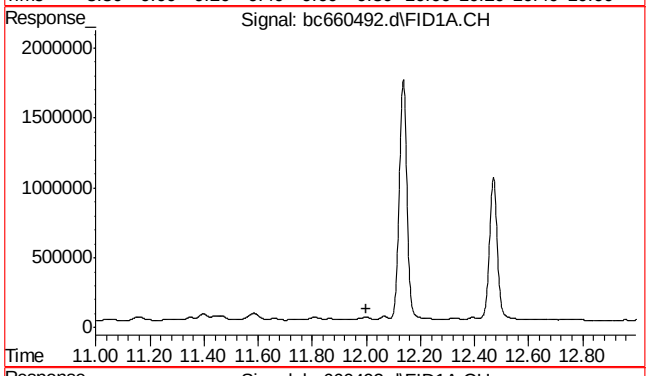
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



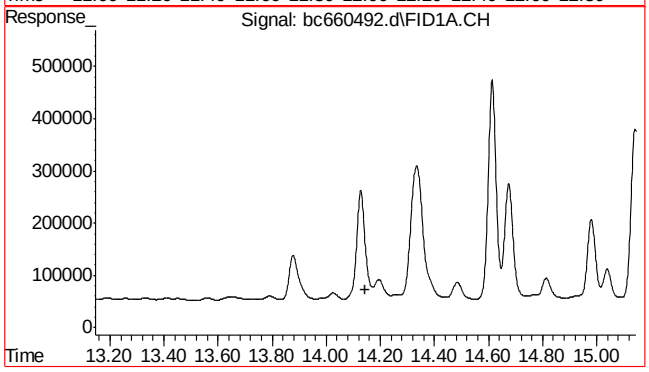
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



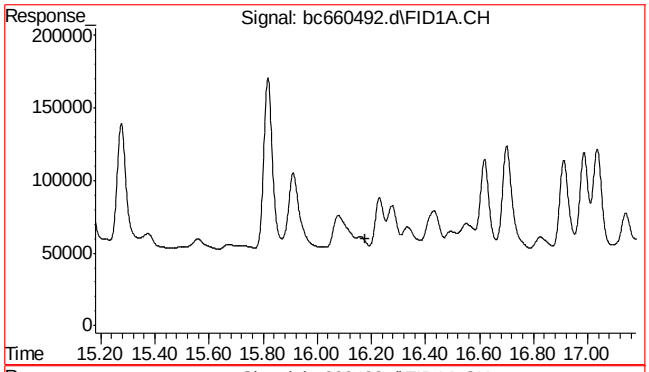
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



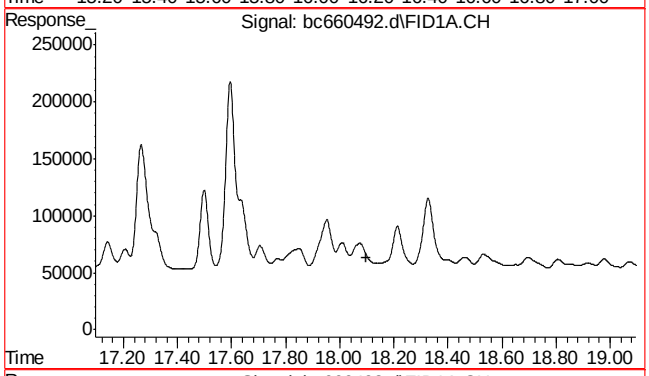
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



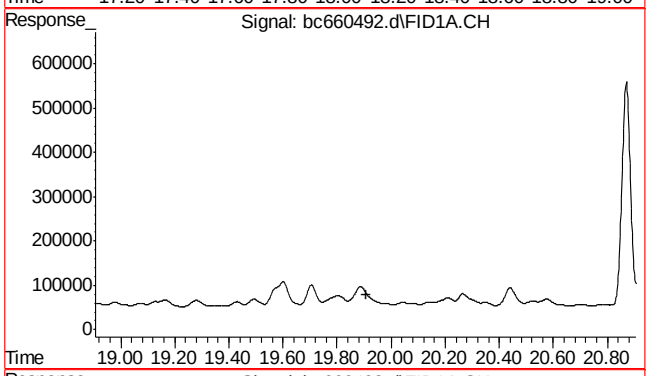
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



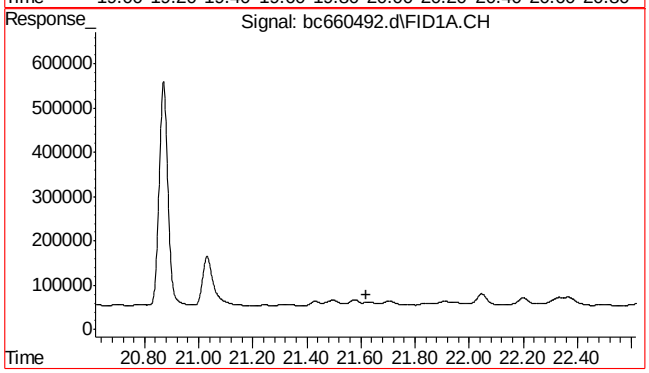
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



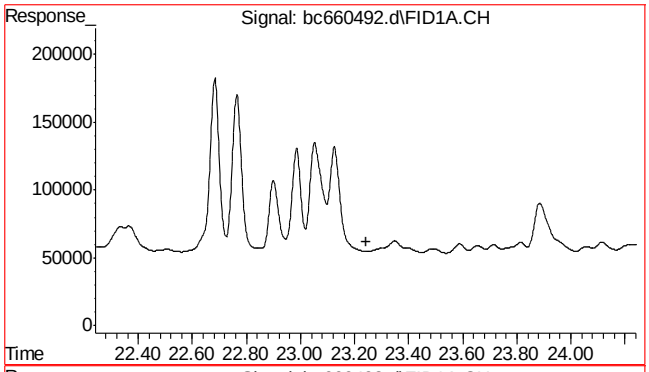
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



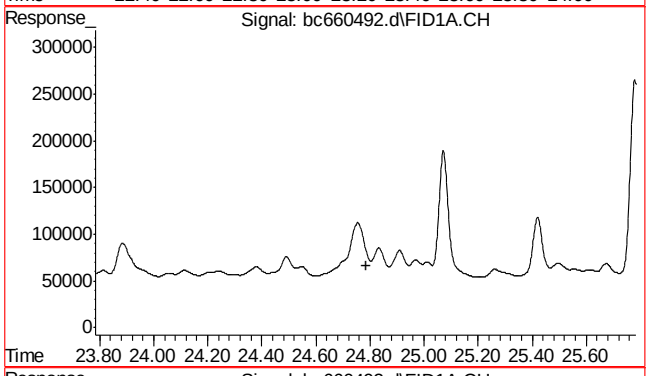
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



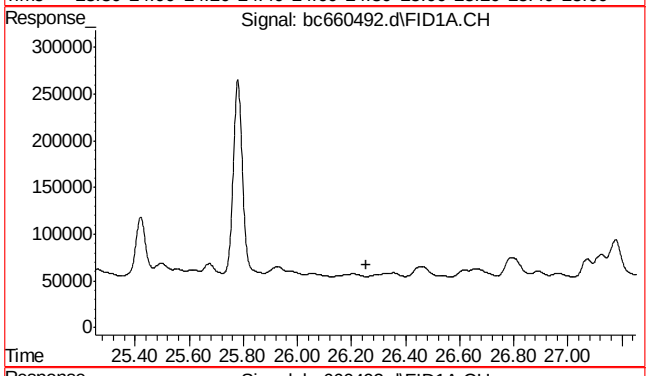
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



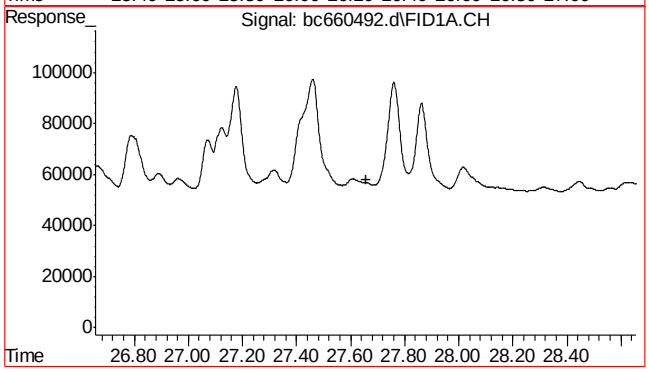
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



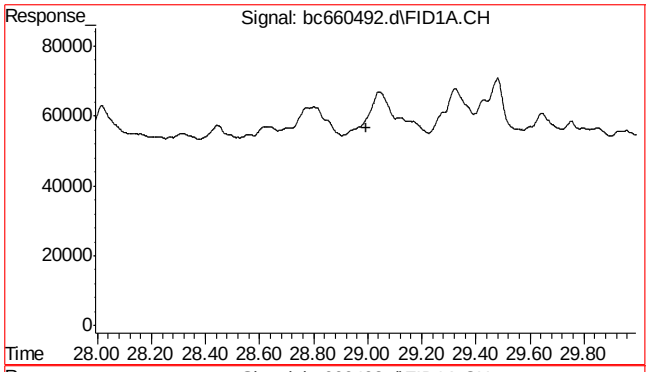
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



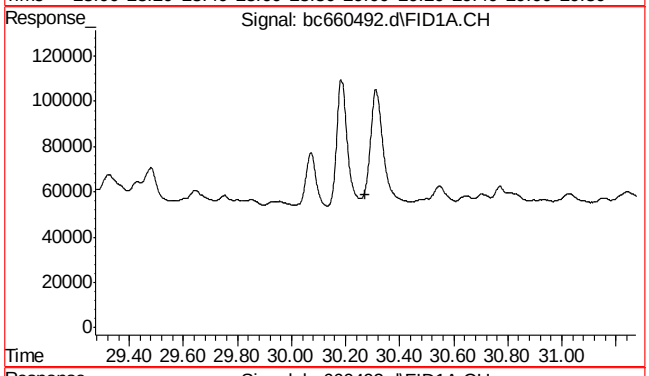
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



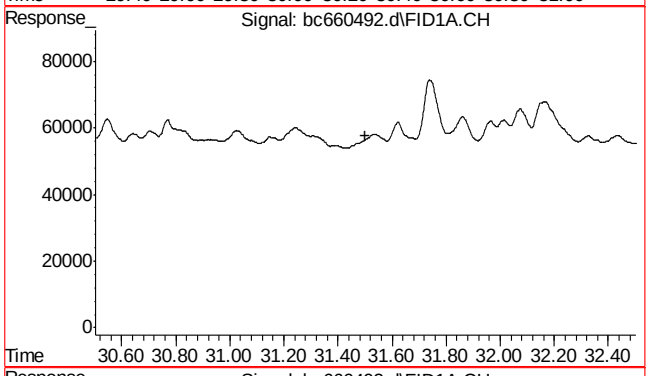
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



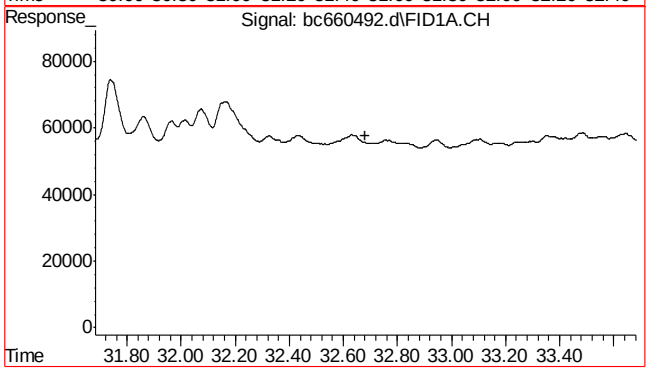
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



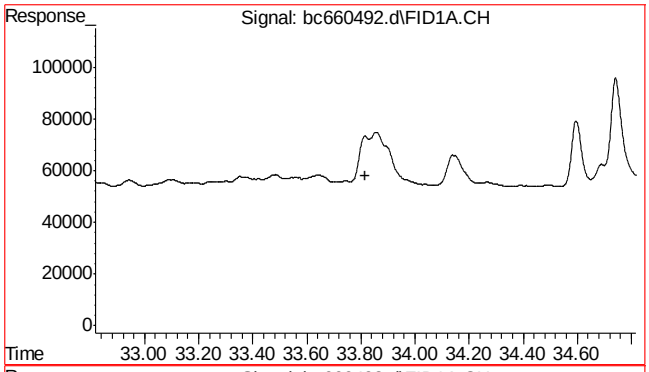
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



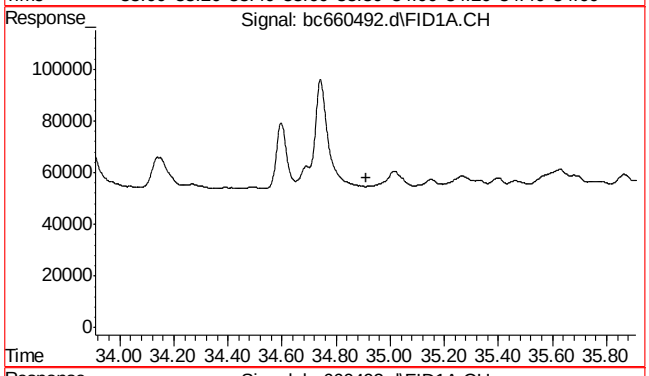
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



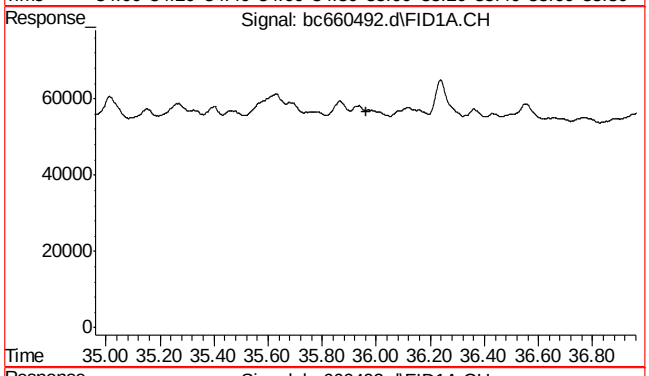
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



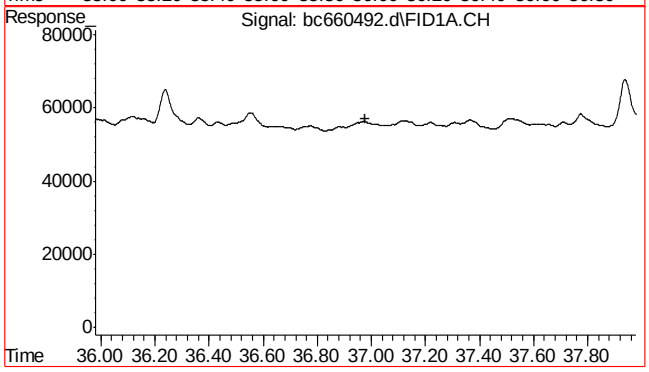
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



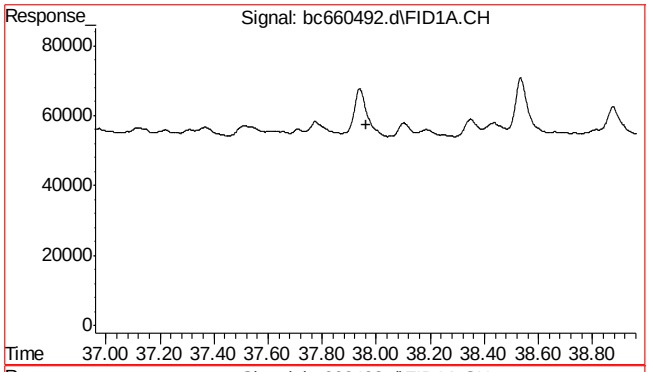
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



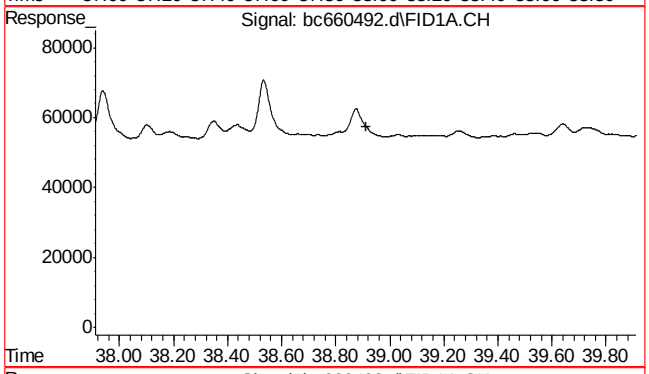
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



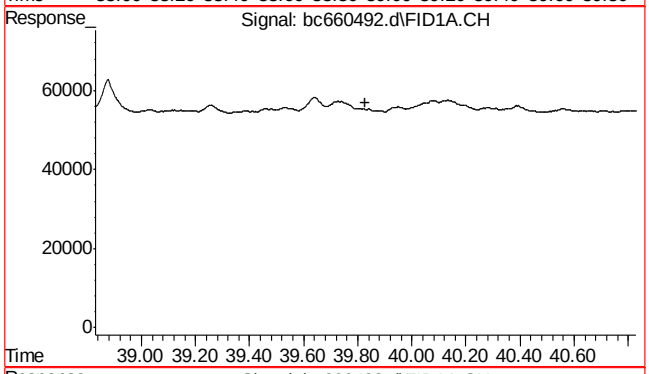
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



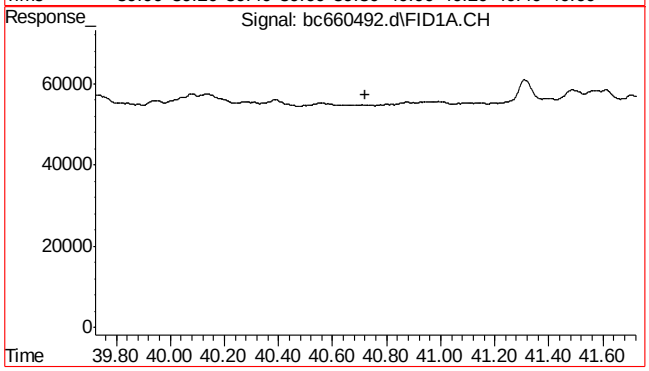
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



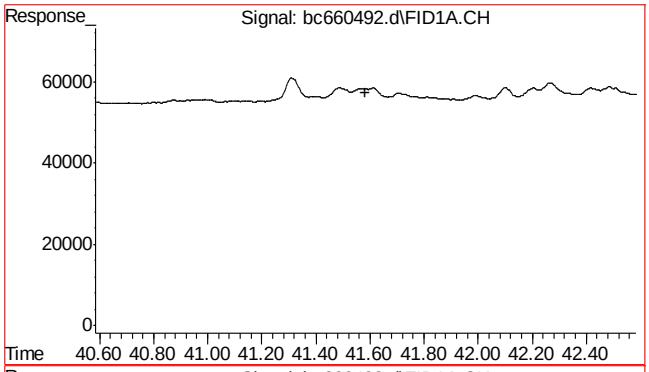
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



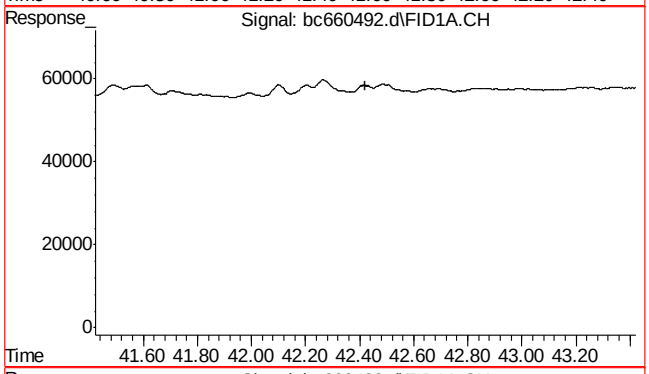
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



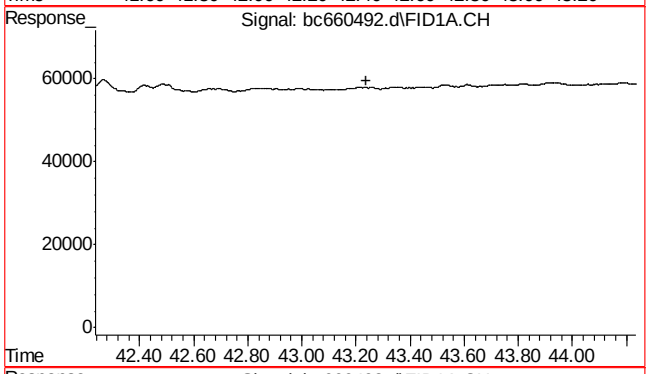
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



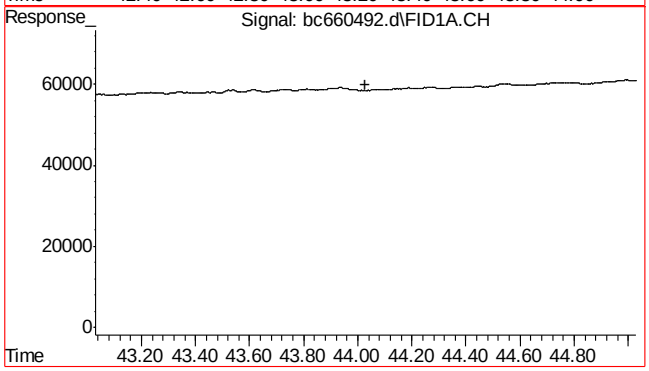
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



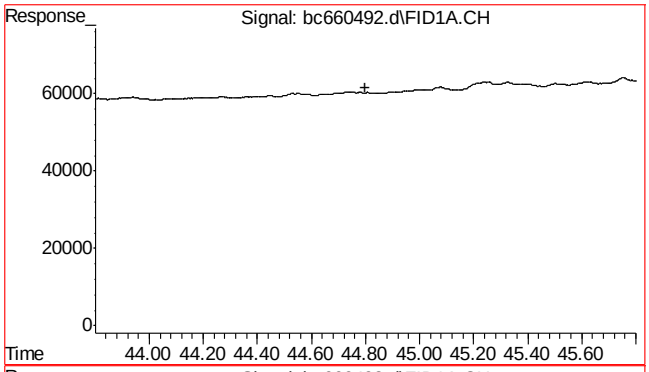
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



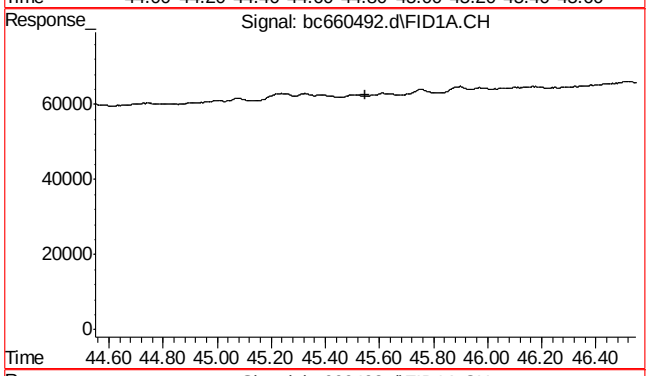
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



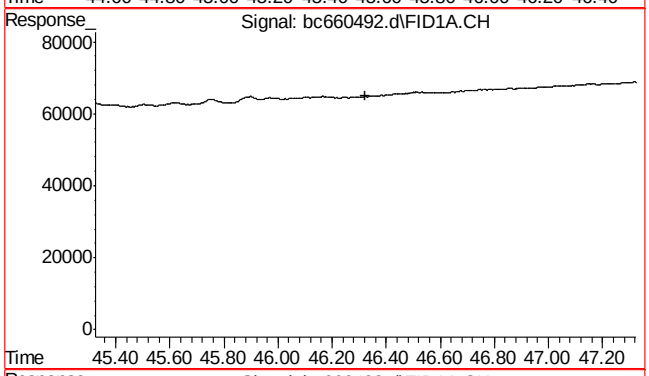
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



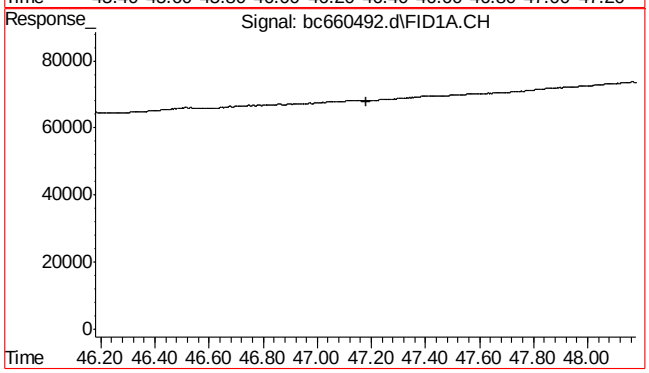
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



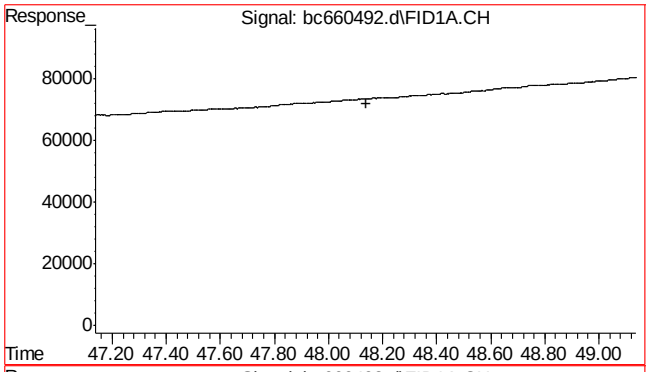
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



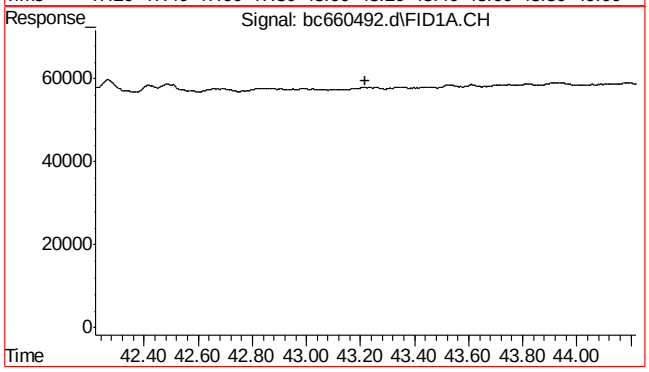
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660460.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 14:59:39
Operator : kimmien
Sample : mc30024-4a,op37816
Misc : op37816,gbc3617,1.43,,,10,,
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:11:03 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

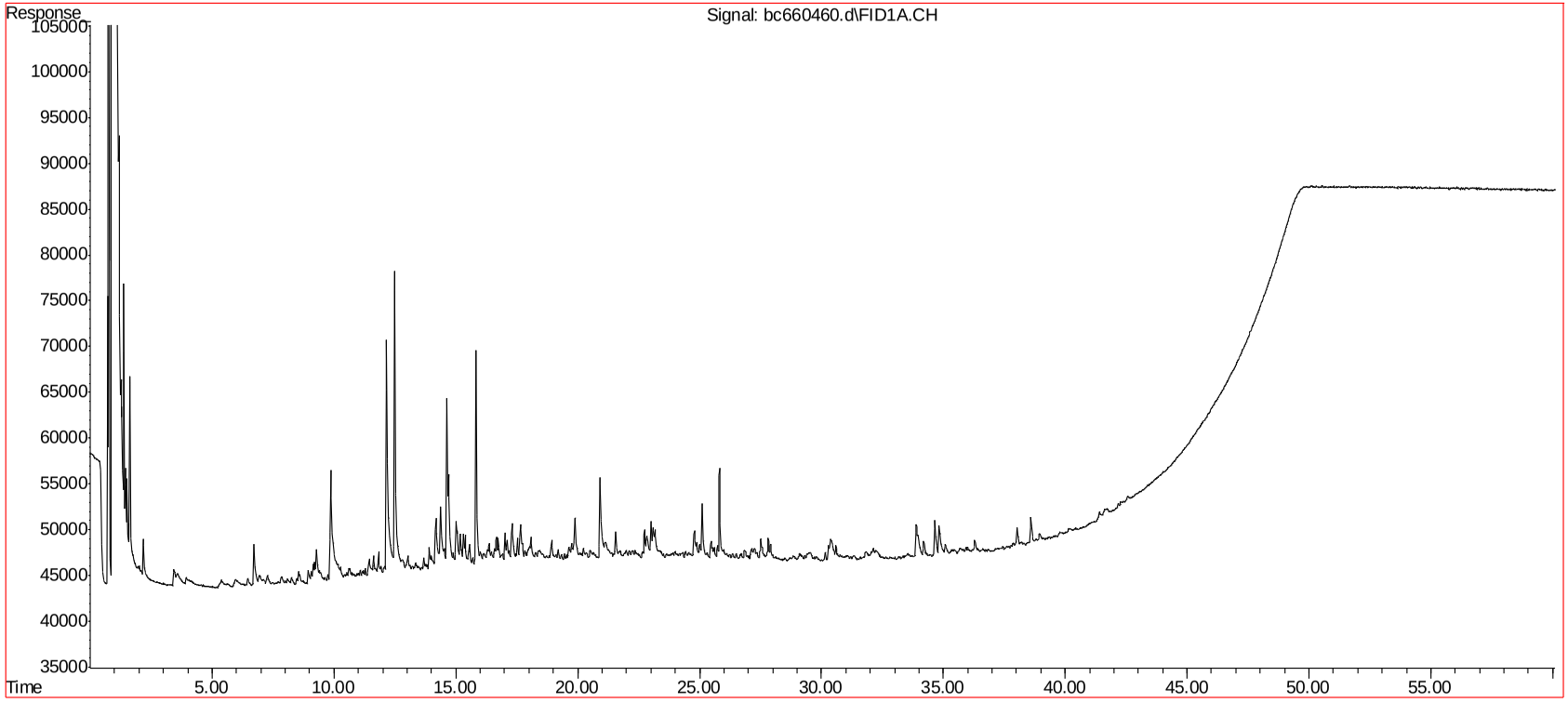
(f)=RT Delta > 1/2 Window (m)=manual int.

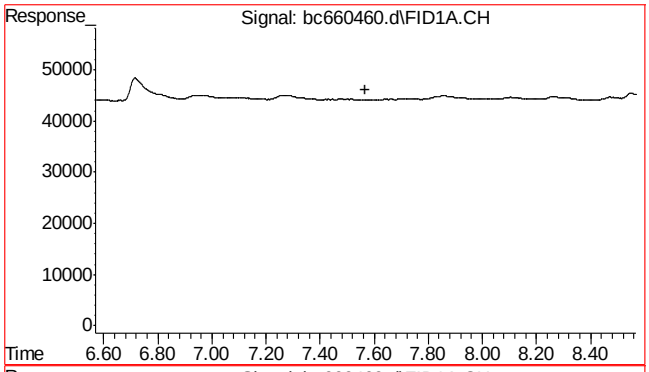
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660460.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 14:59:39
Operator : kimmien
Sample : mc30024-4a,op37816
Misc : op37816,gbc3617,1.43,,,10,,
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:11:03 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

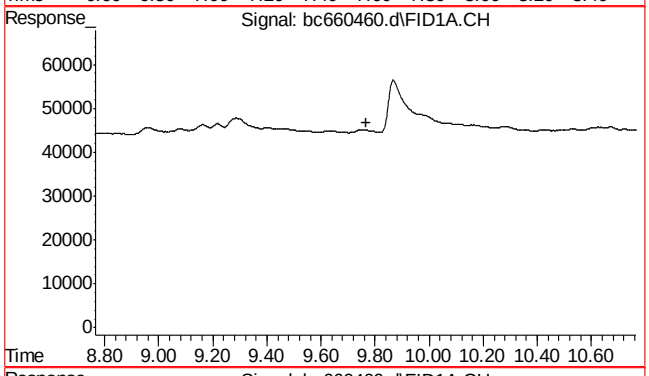
Volume Inj. :
Signal Phase :
Signal Info :





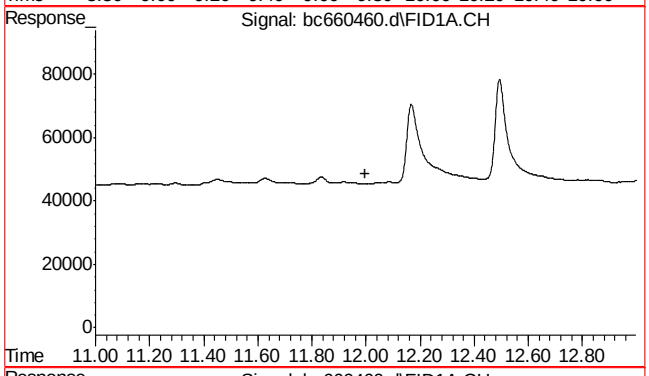
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



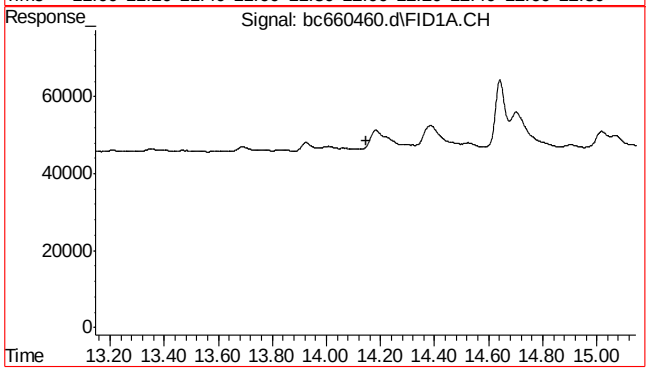
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



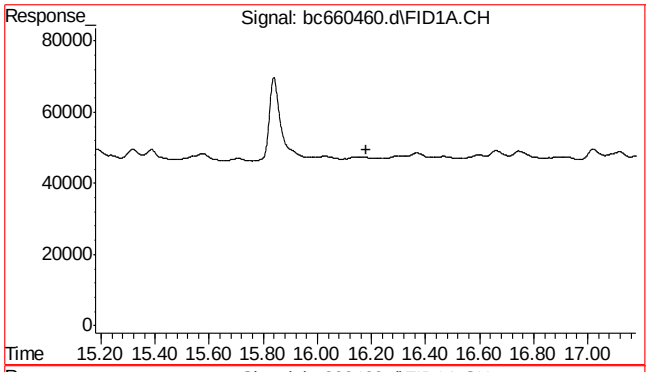
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



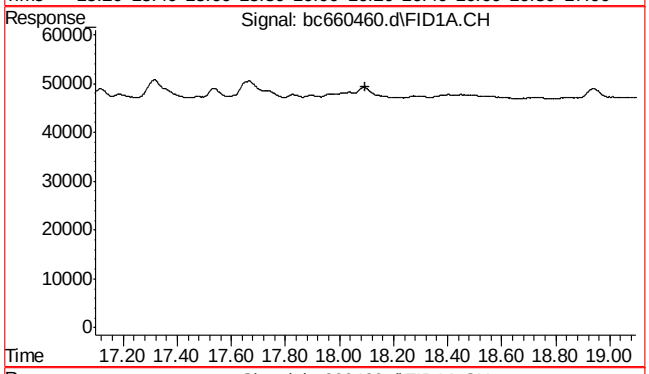
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



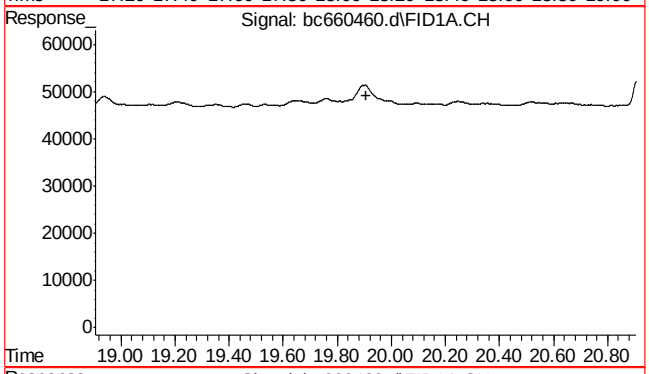
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



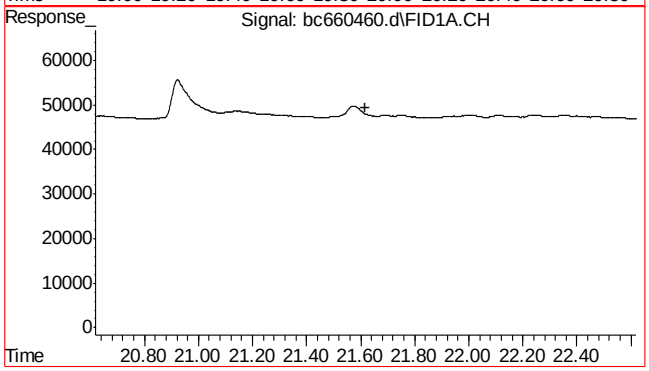
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



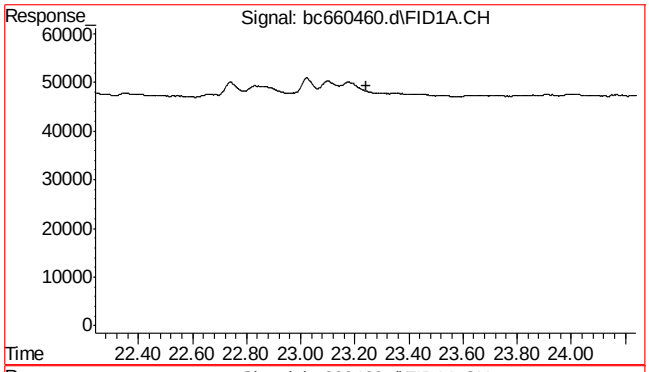
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



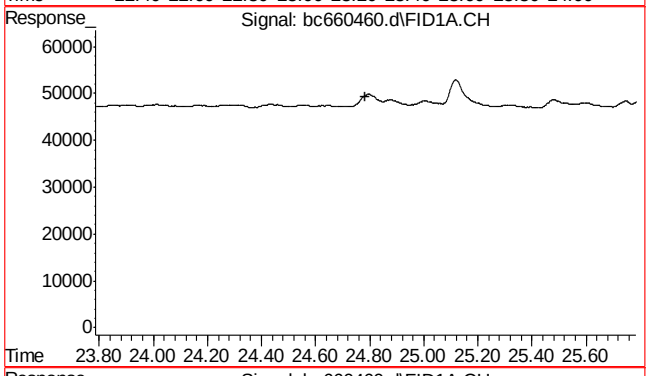
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



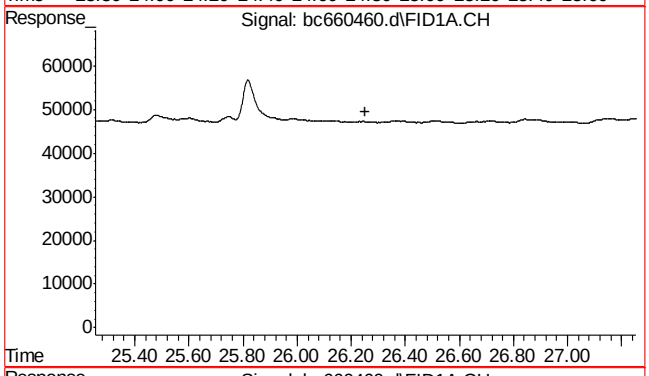
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



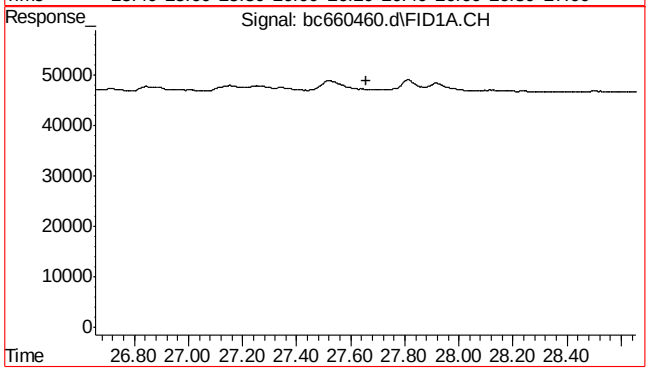
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



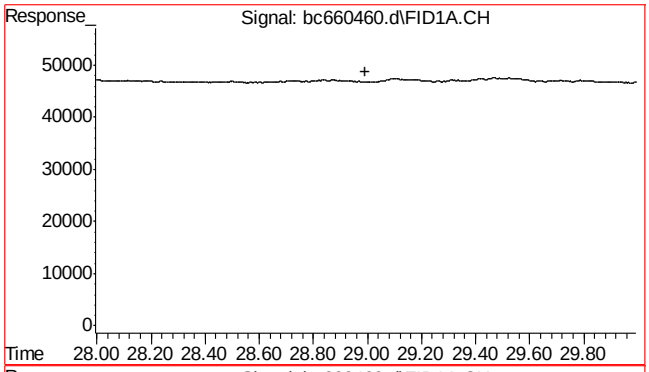
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



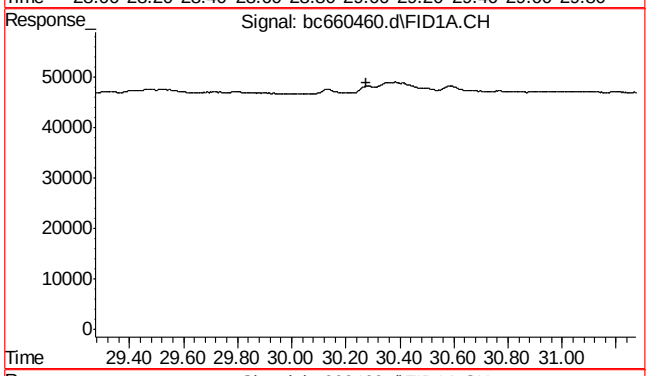
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



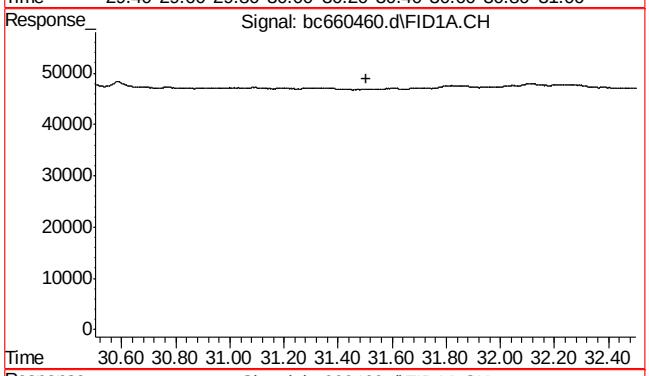
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



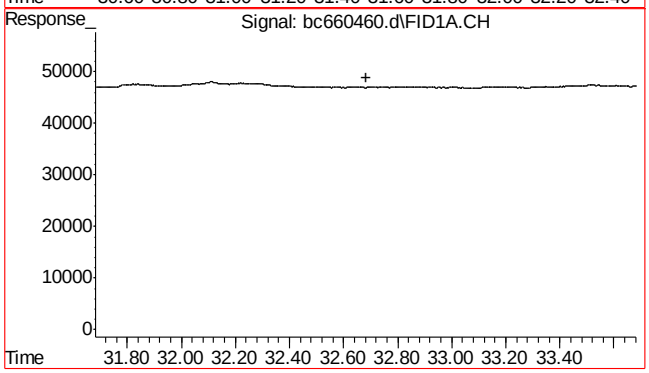
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



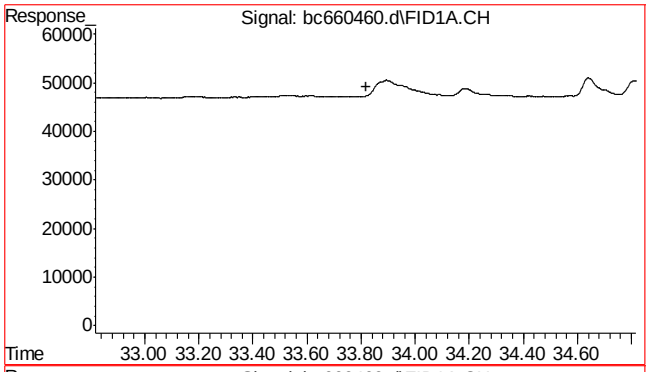
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



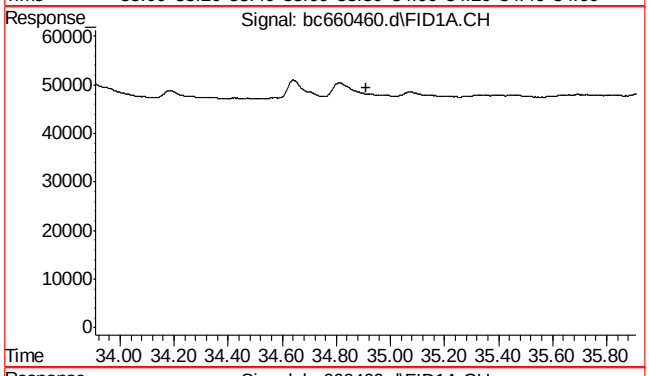
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



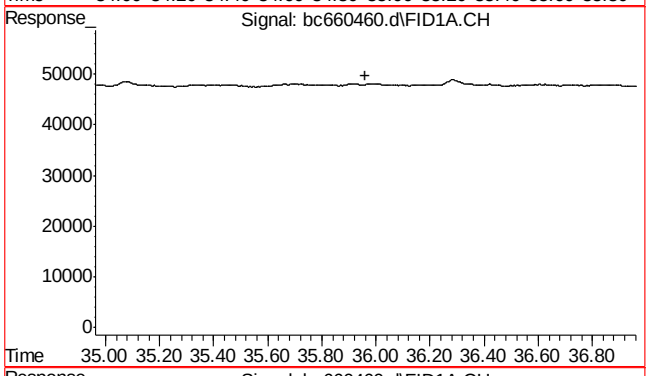
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



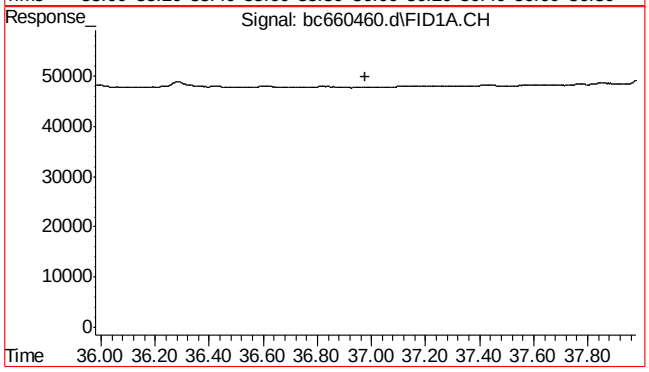
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



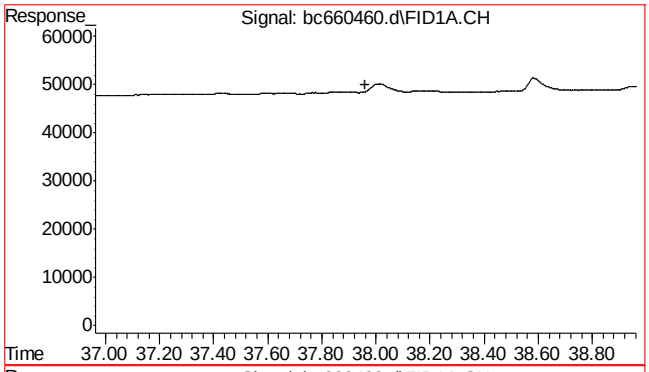
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



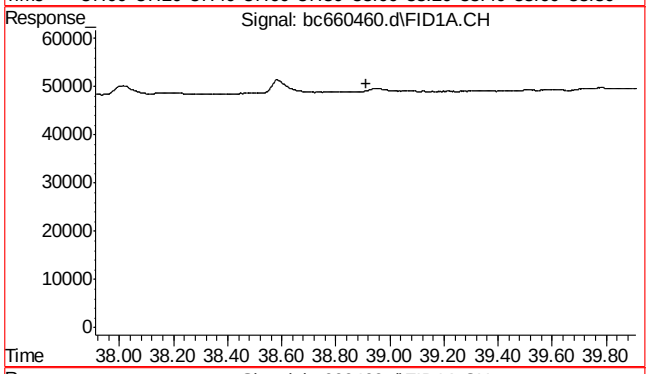
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



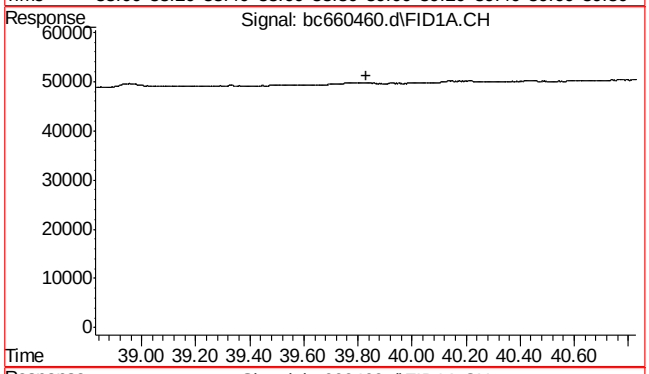
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



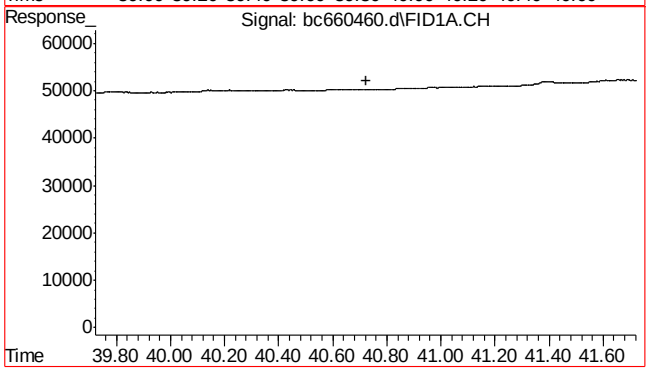
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



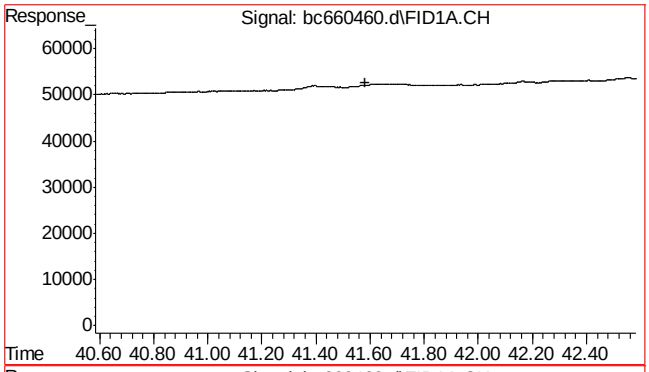
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



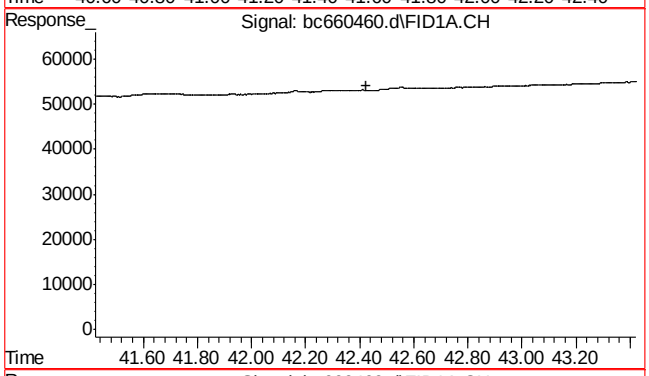
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



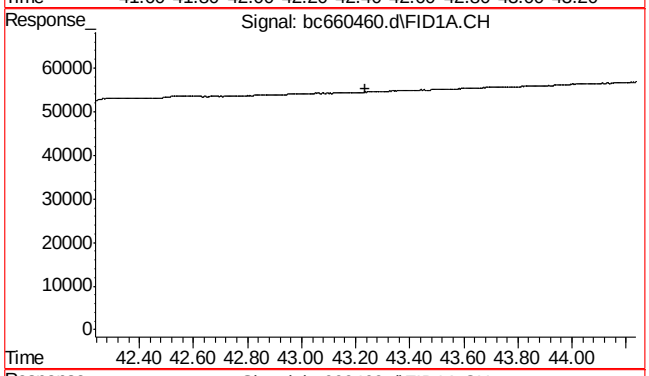
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



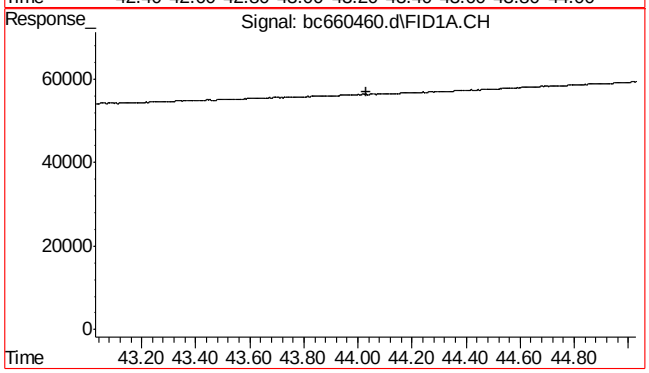
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



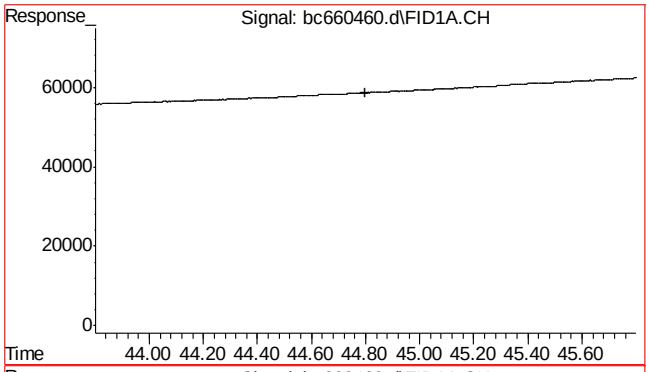
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



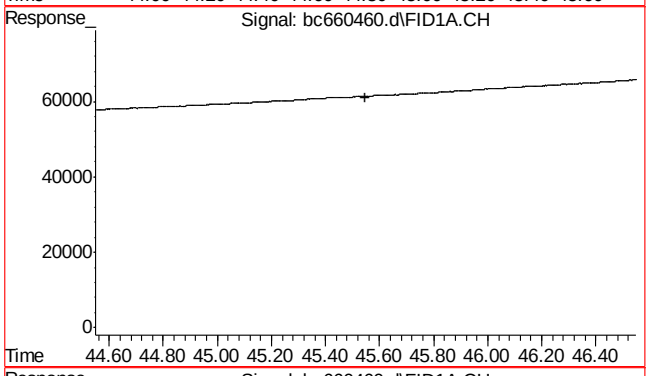
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



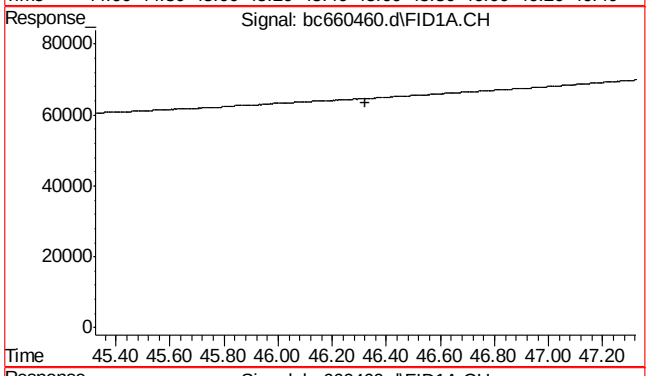
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



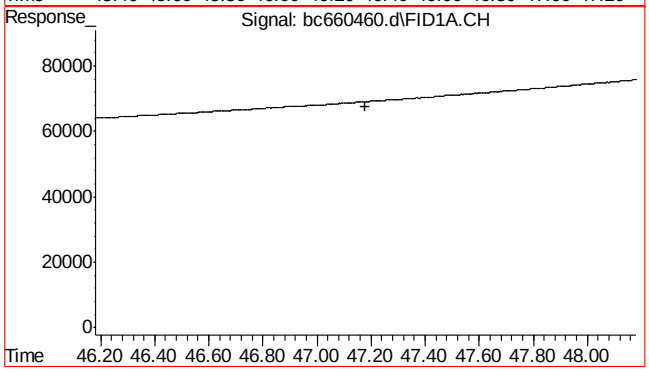
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



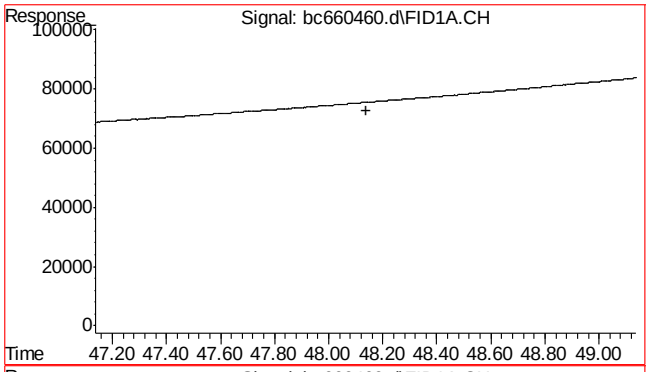
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



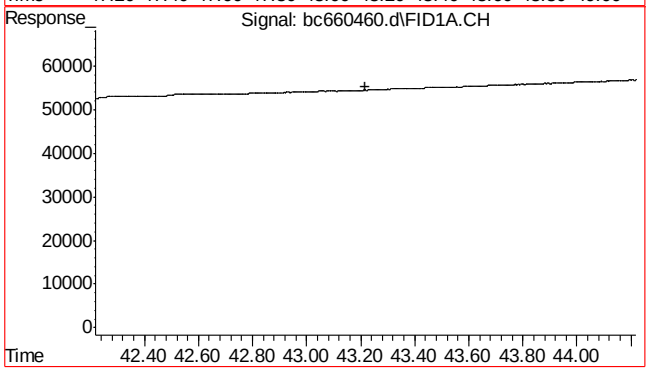
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660488.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 08:09:29
Operator : kimmien
Sample : mc30024-5a,op37816
Misc : op37816,gbc3617,1.92,,,10,,
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:16:30 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

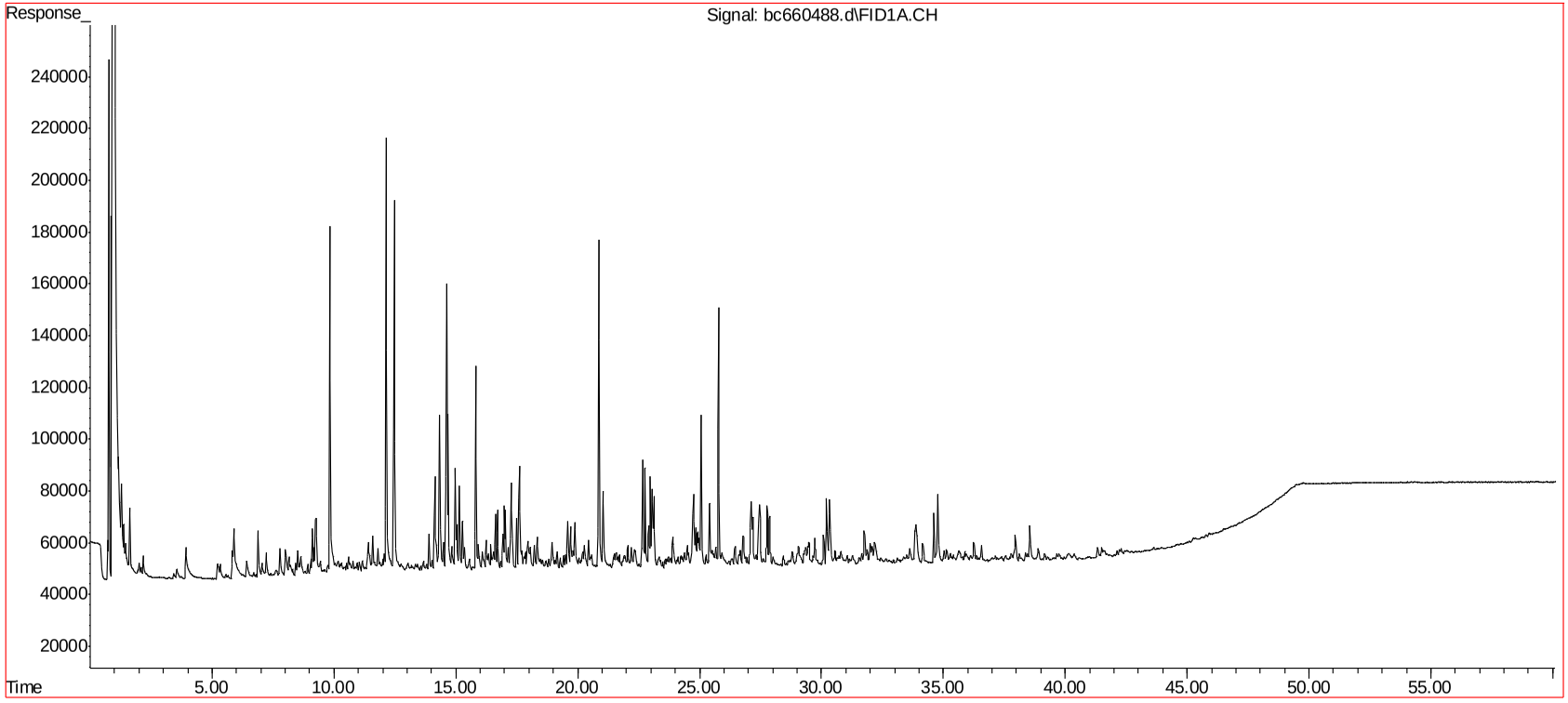
(f)=RT Delta > 1/2 Window (m)=manual int.

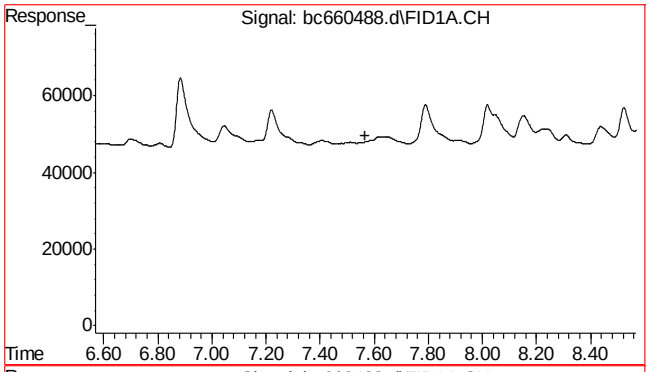
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660488.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 08:09:29
Operator : kimmien
Sample : mc30024-5a,op37816
Misc : op37816,gbc3617,1.92,,,10,,
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:16:30 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

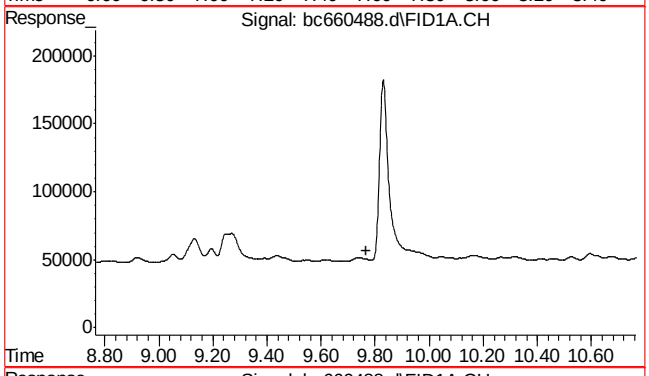
Volume Inj. :
Signal Phase :
Signal Info :





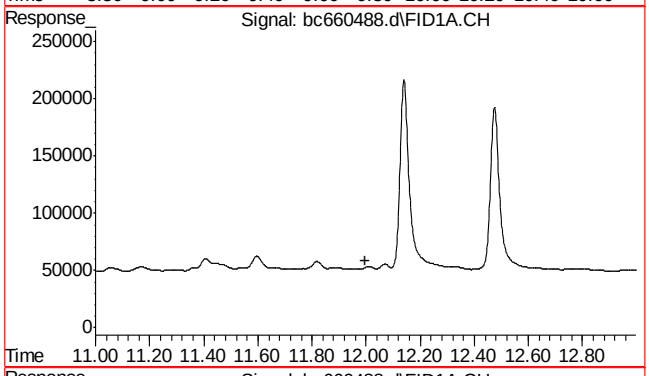
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



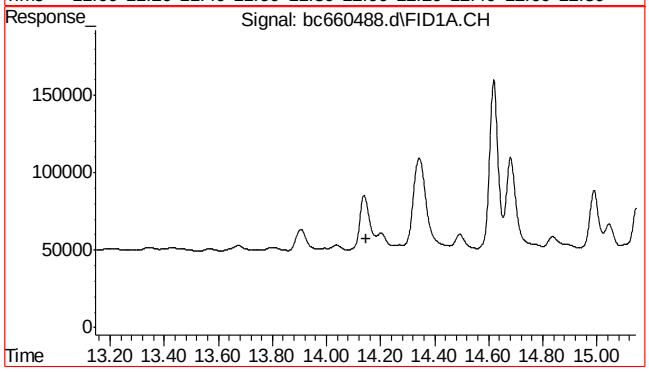
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



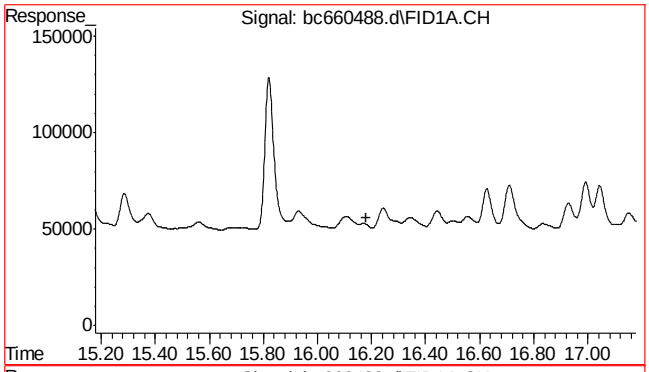
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



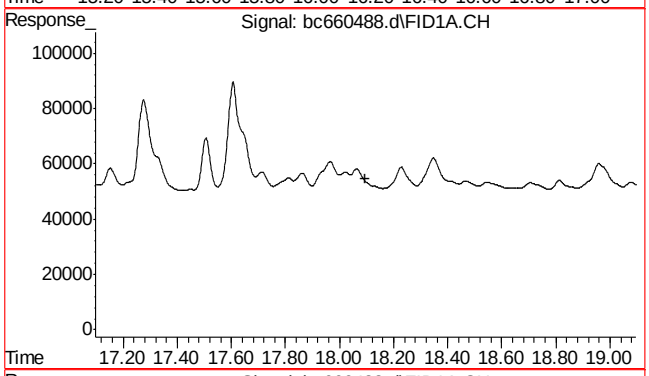
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



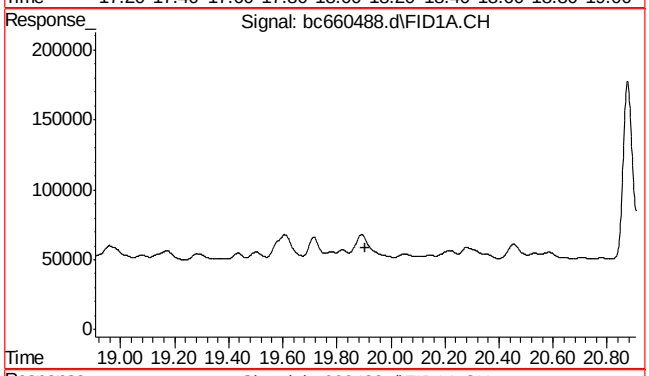
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



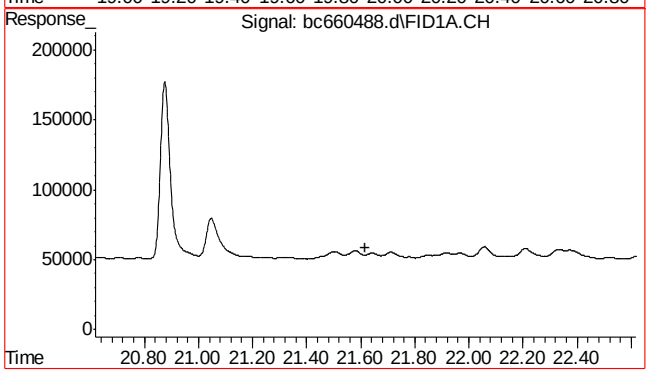
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



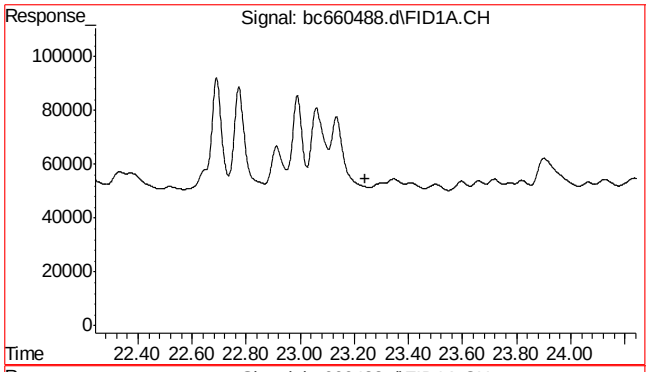
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



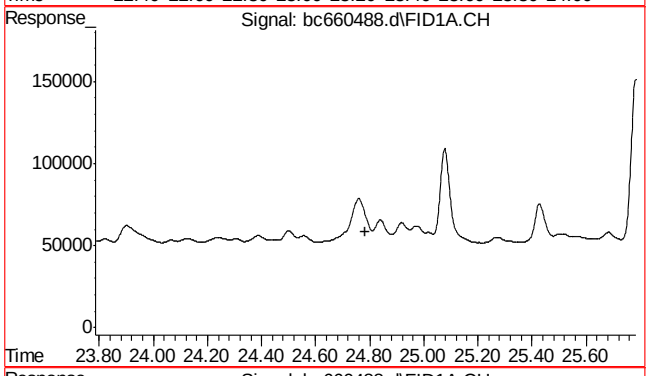
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



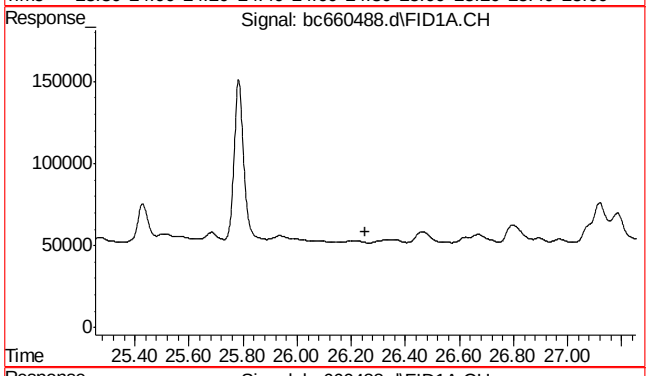
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



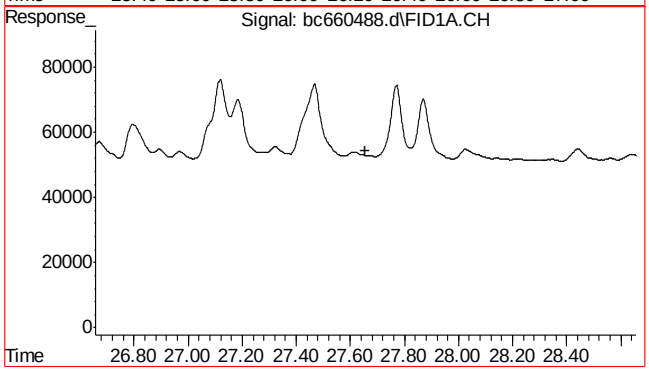
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



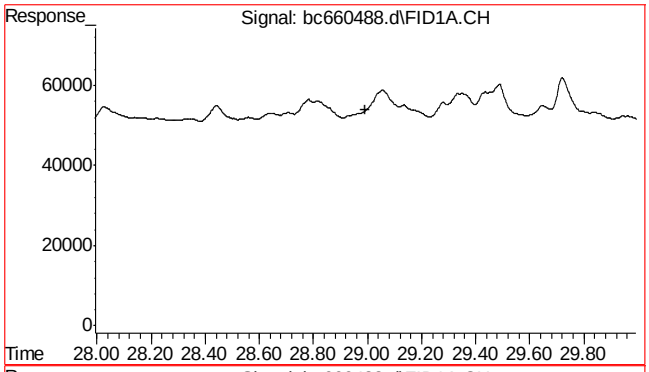
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



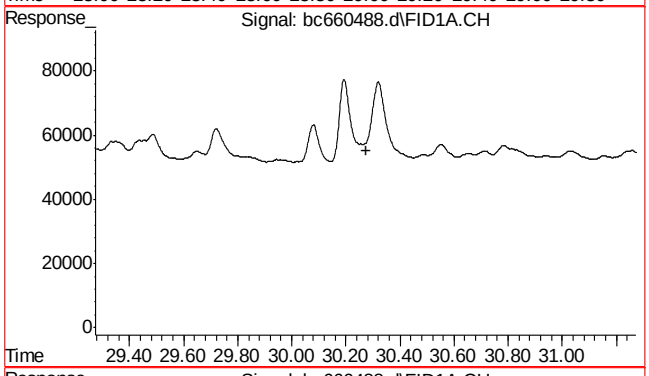
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



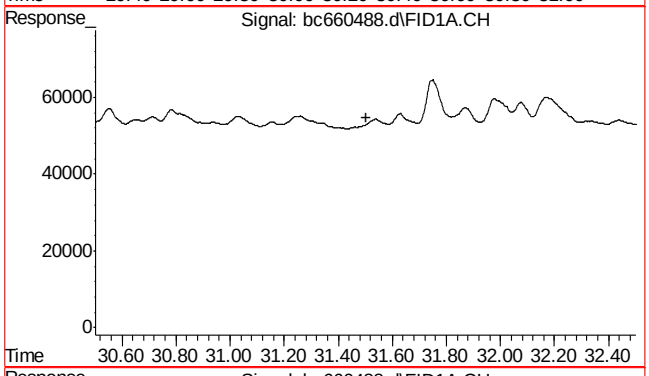
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



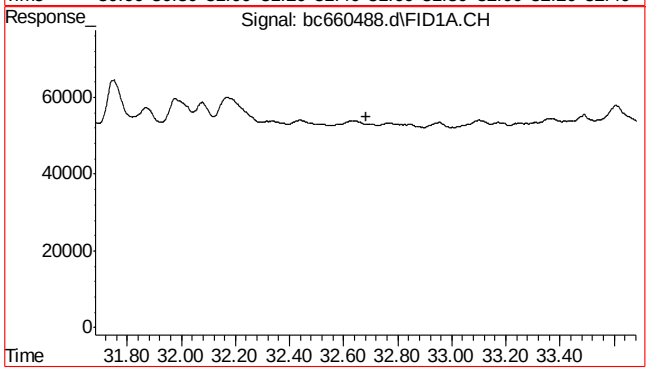
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



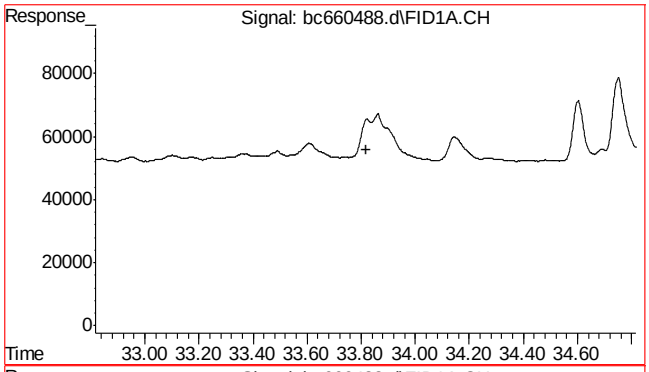
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



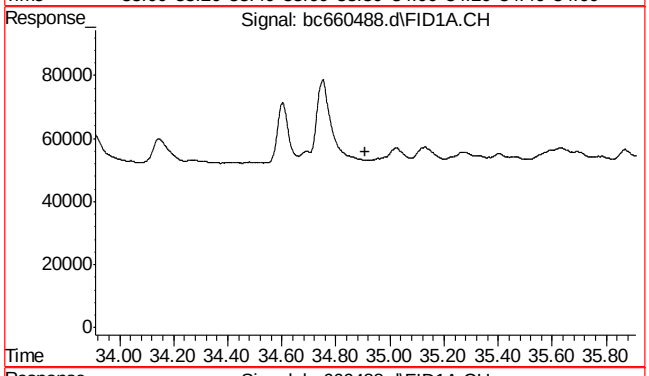
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



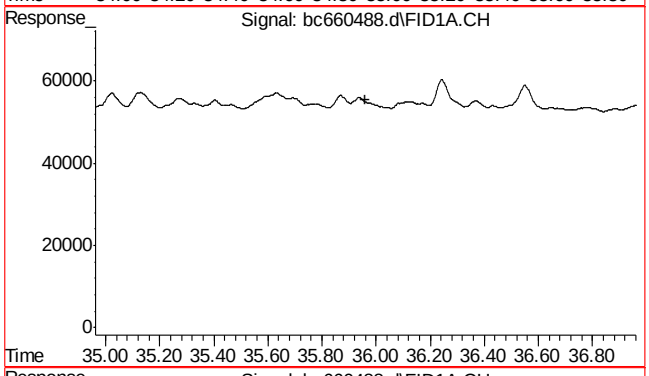
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



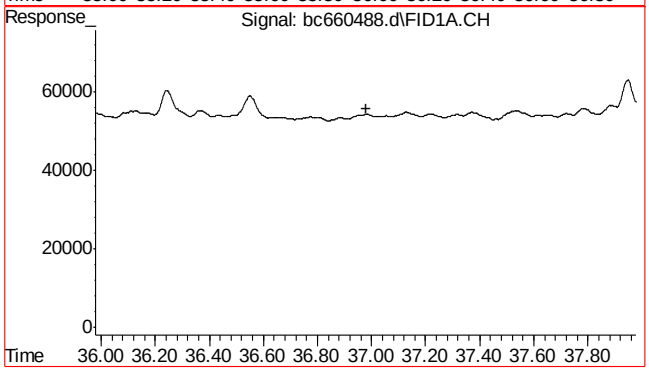
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



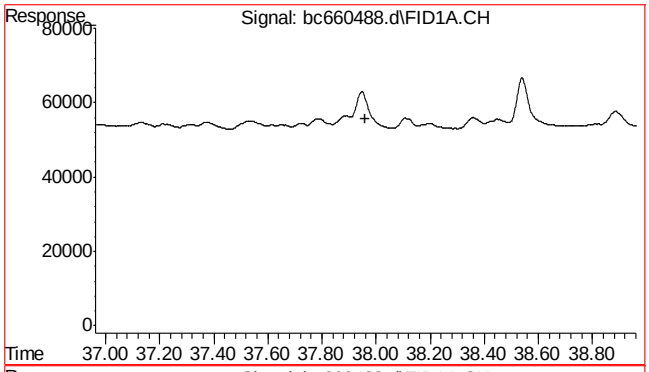
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



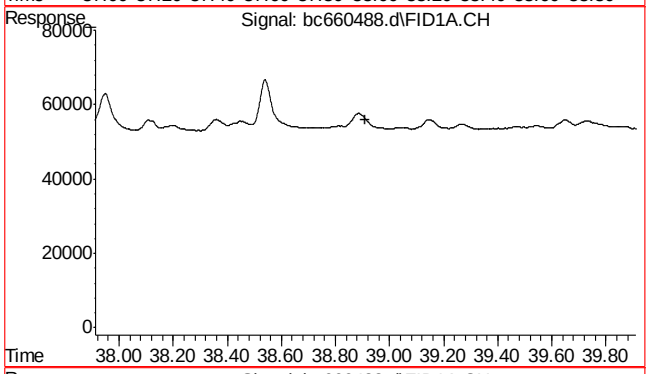
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



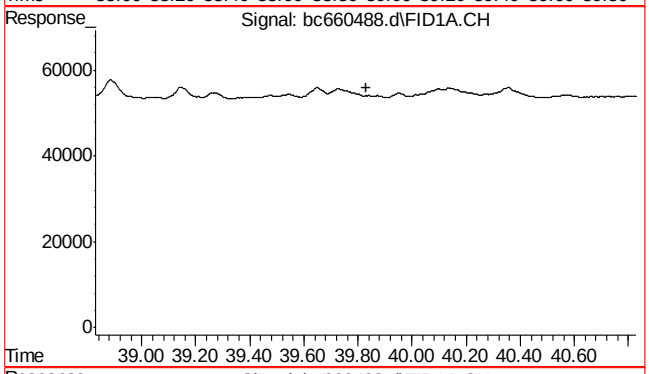
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



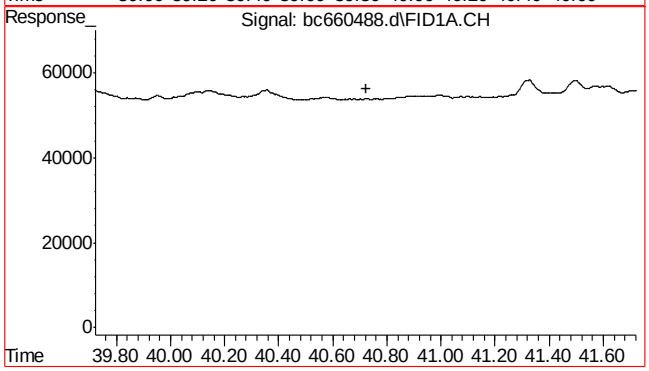
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



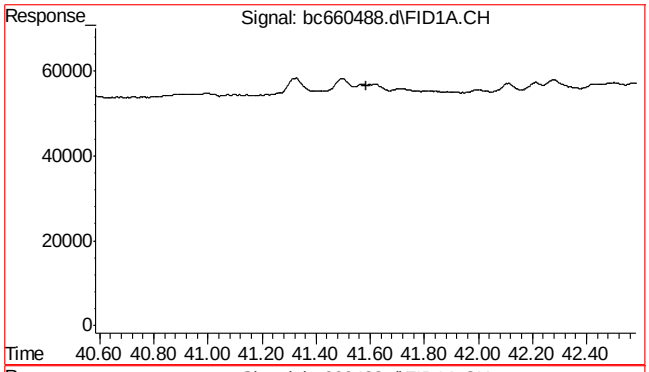
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



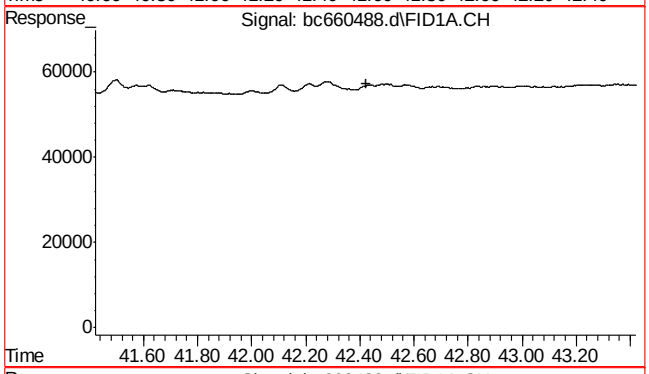
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



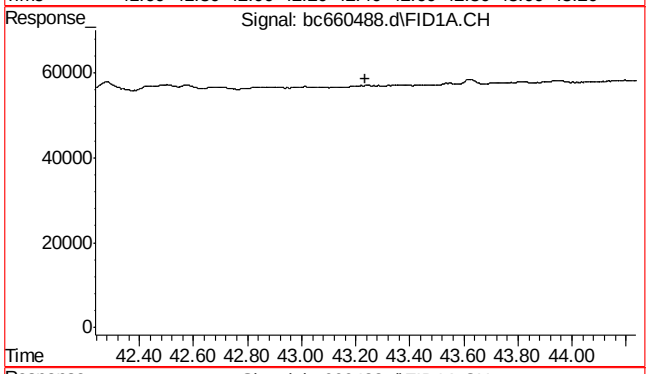
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



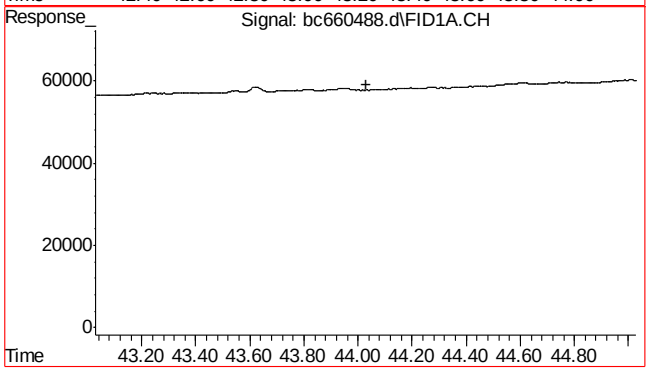
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



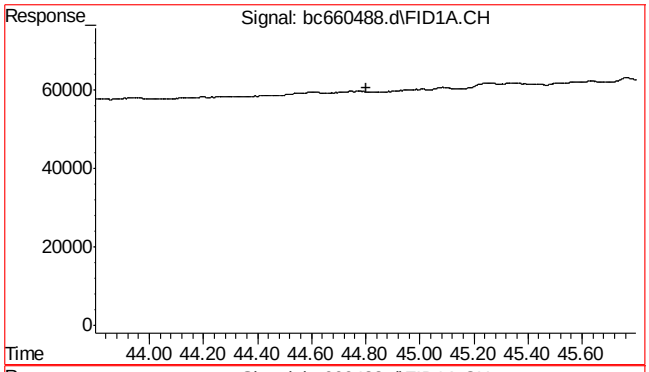
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



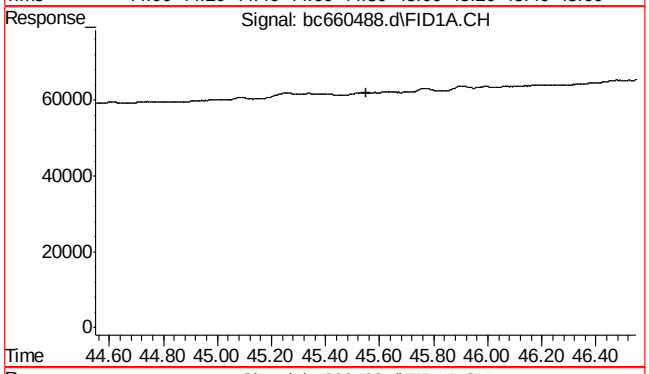
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



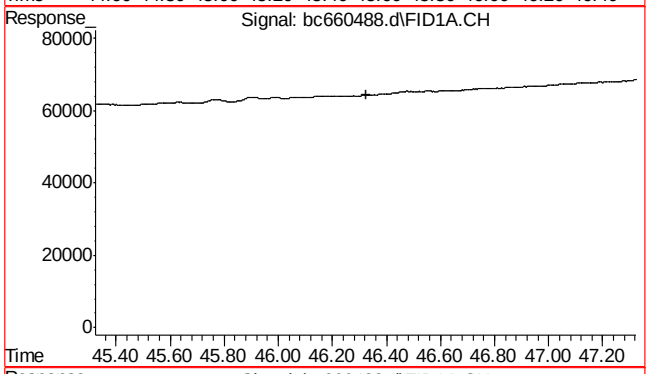
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



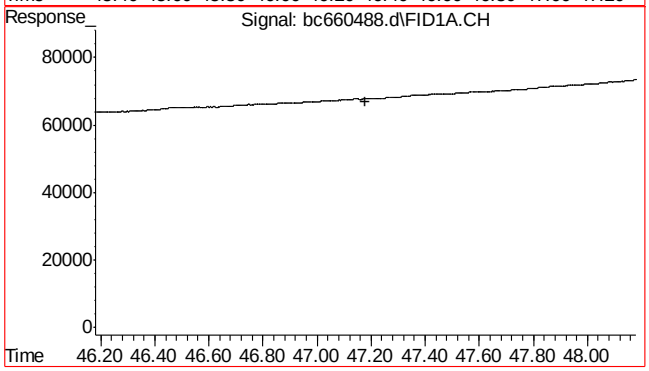
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



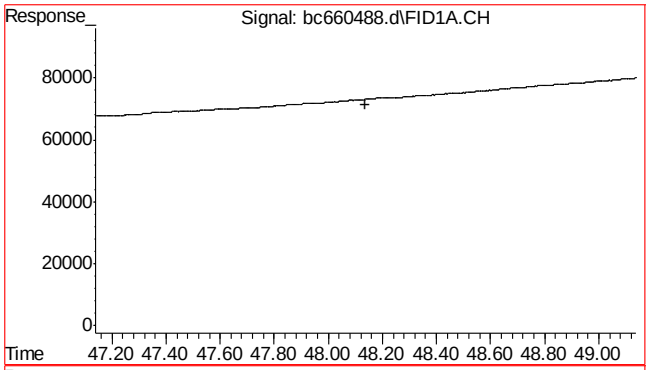
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



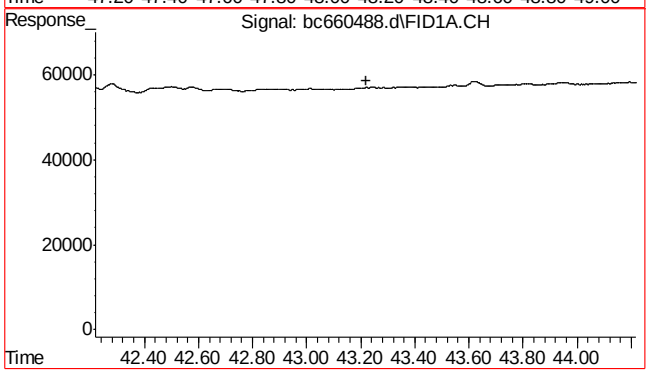
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660476.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 00:51:00
Operator : kimmien
Sample : mc30024-6a,op37816
Misc : op37816,gbc3617,1.14,,,10,,
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:13:56 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

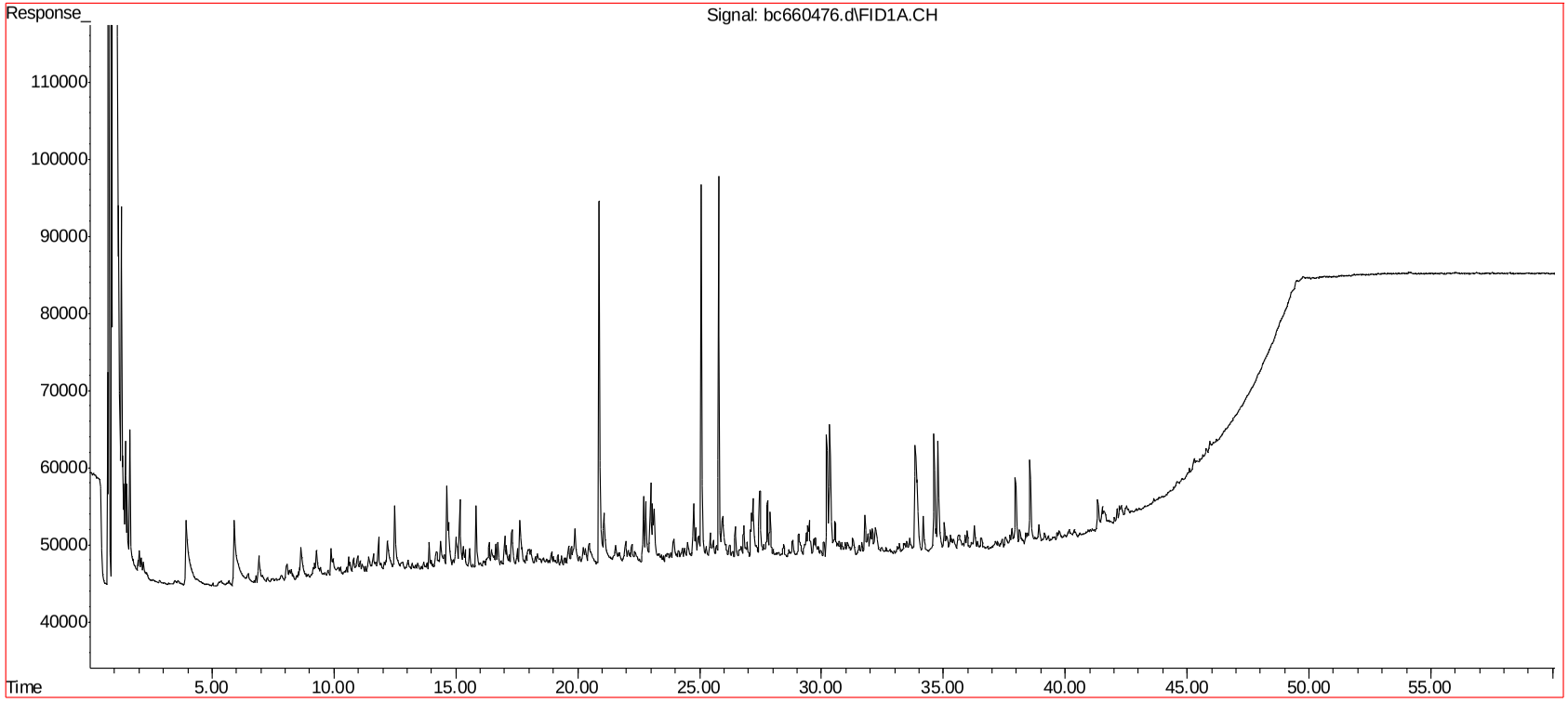
(f)=RT Delta > 1/2 Window (m)=manual int.

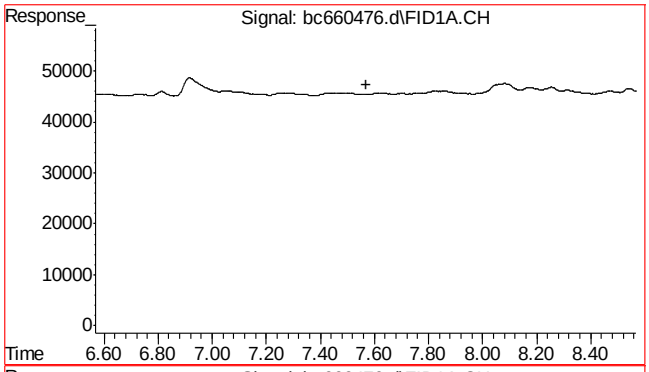
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660476.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 00:51:00
Operator : kimmien
Sample : mc30024-6a,op37816
Misc : op37816,gbc3617,1.14,,,10,,
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:13:56 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

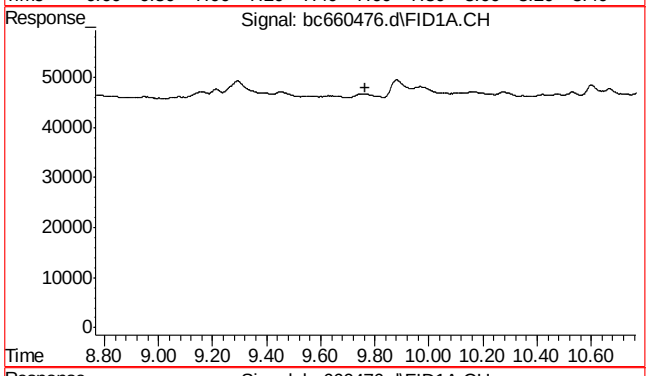
Volume Inj. :
Signal Phase :
Signal Info :





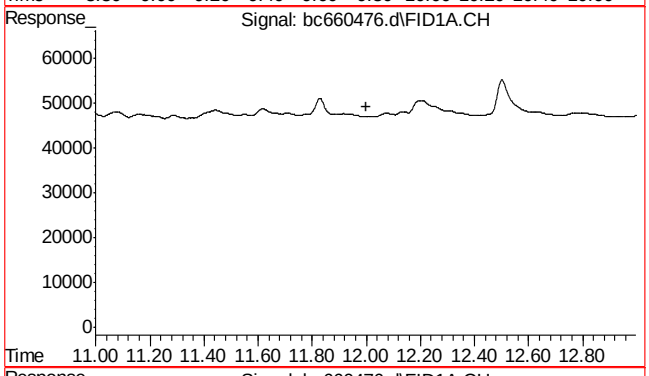
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



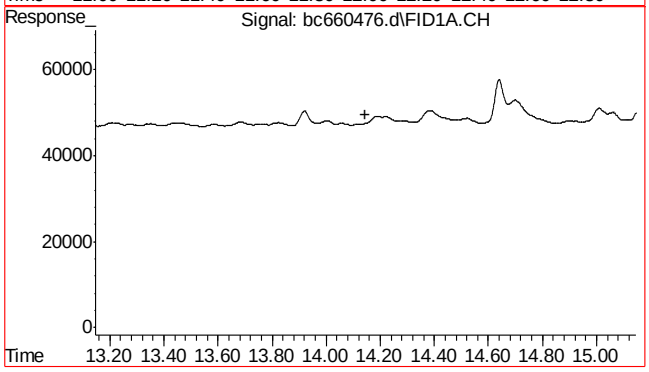
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



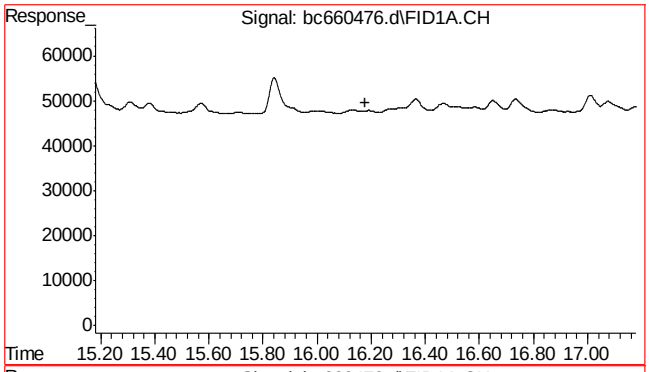
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



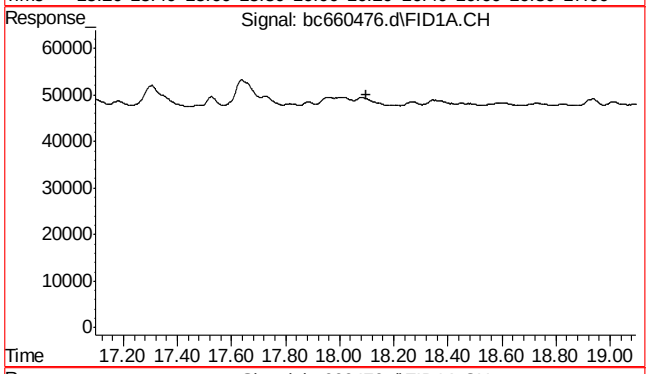
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



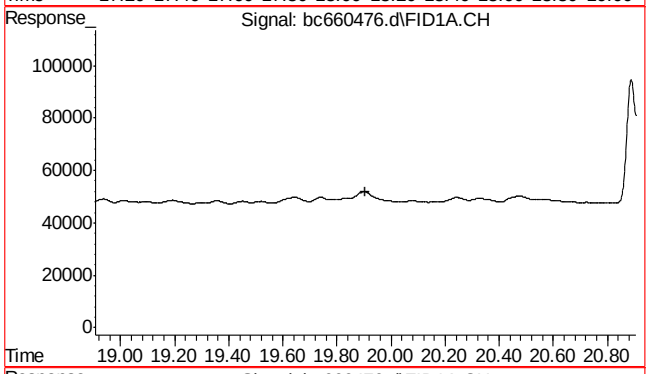
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



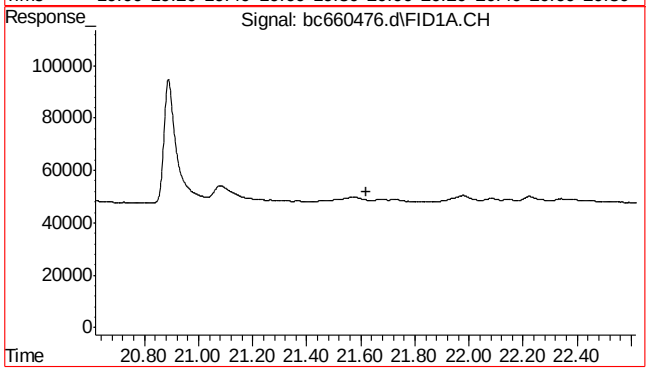
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



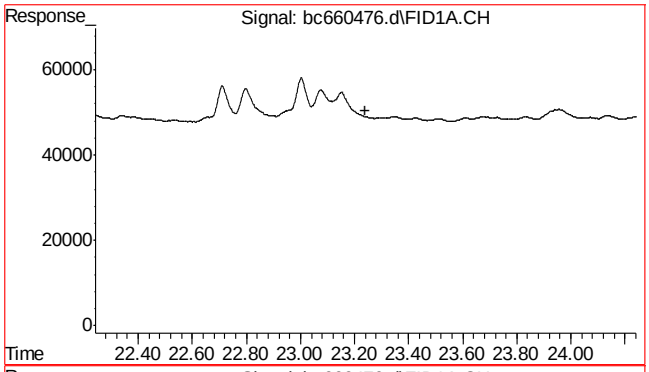
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



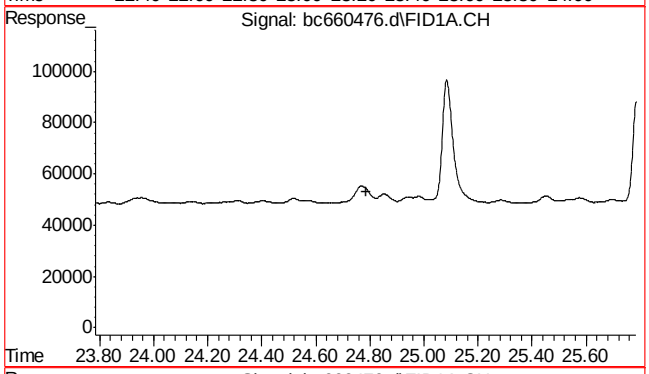
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



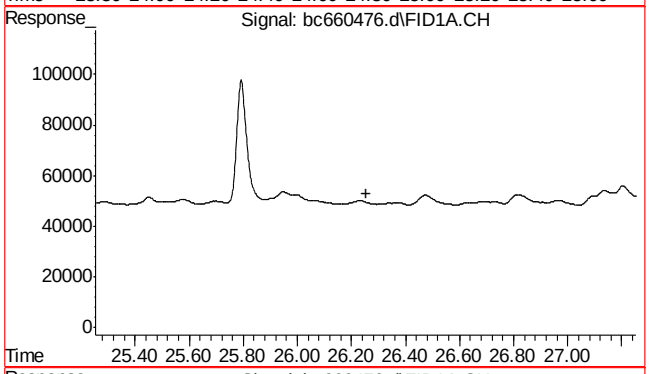
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



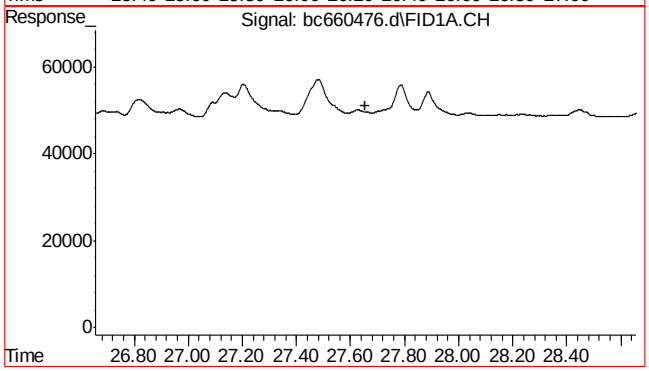
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



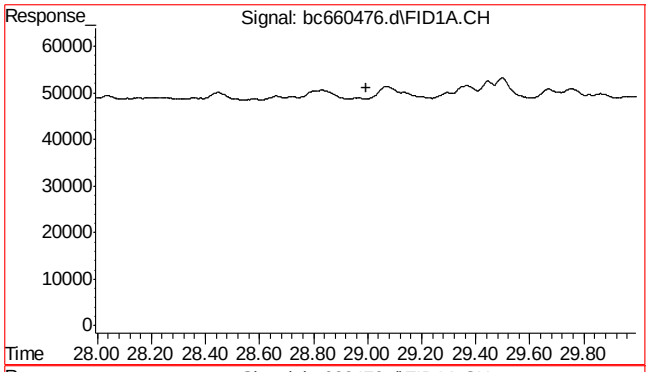
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



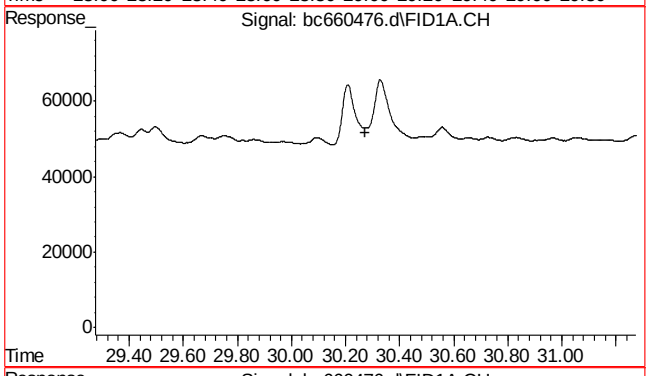
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



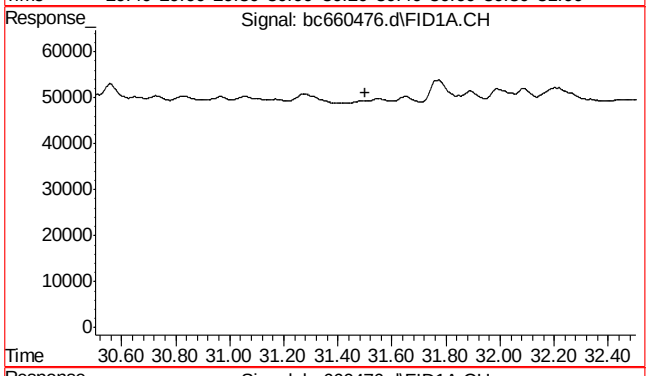
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



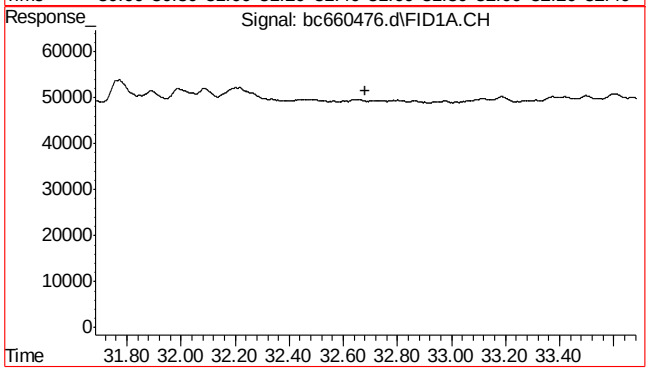
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



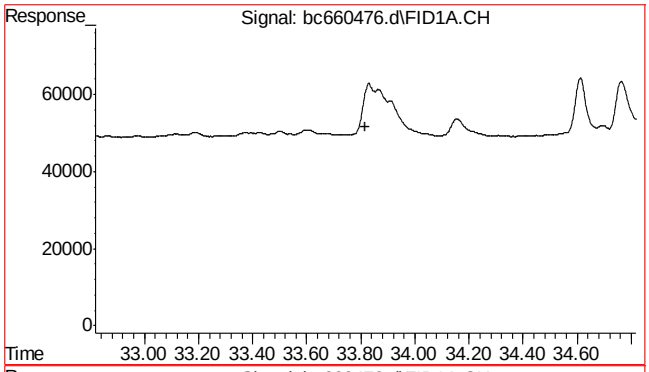
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



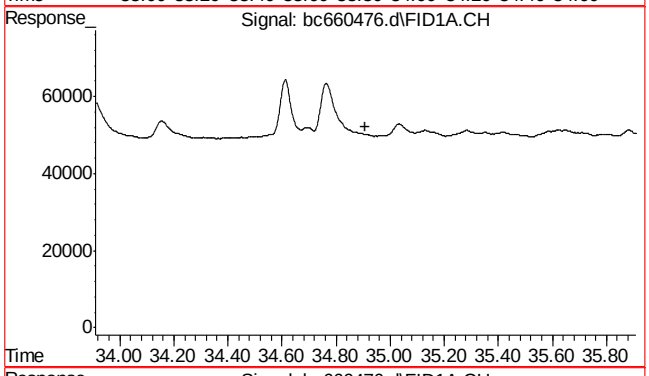
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



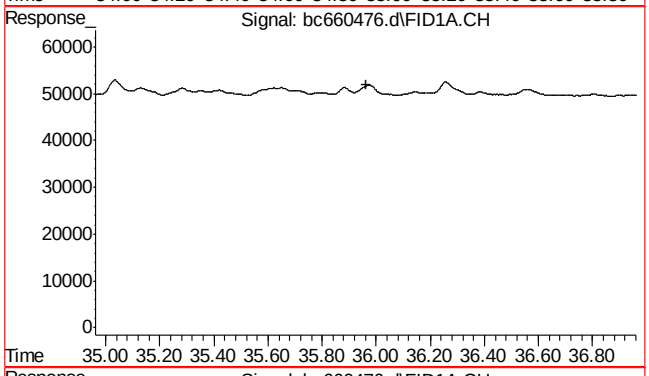
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



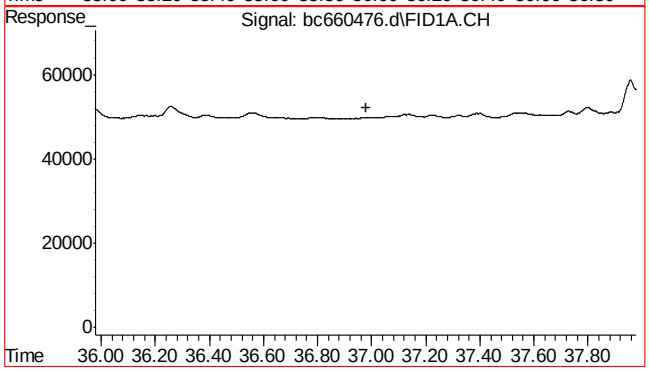
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



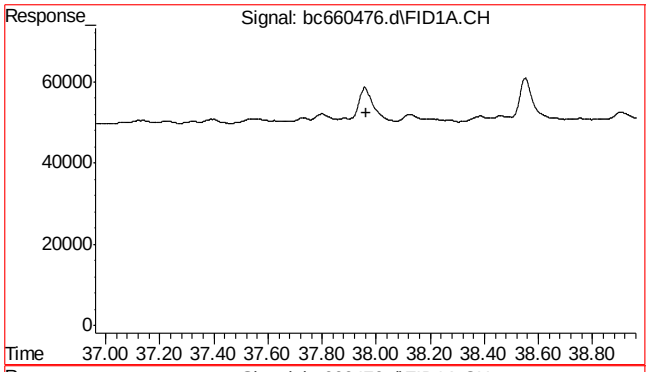
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



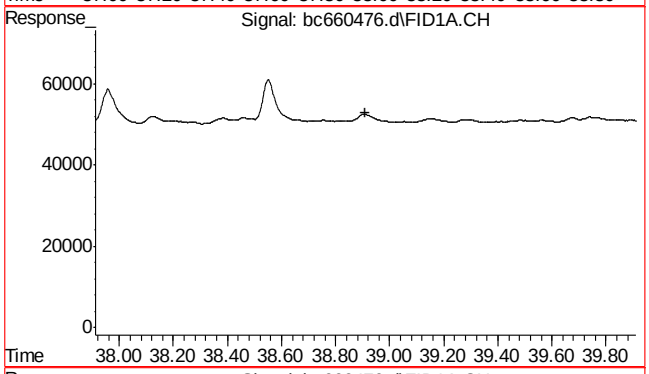
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



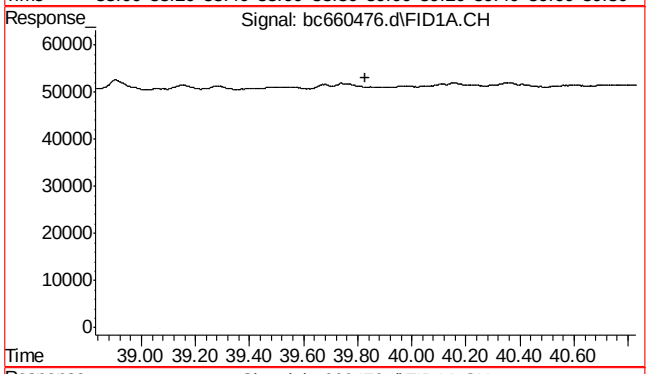
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



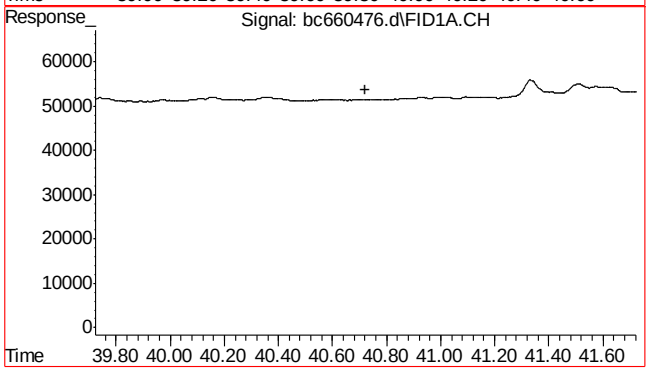
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



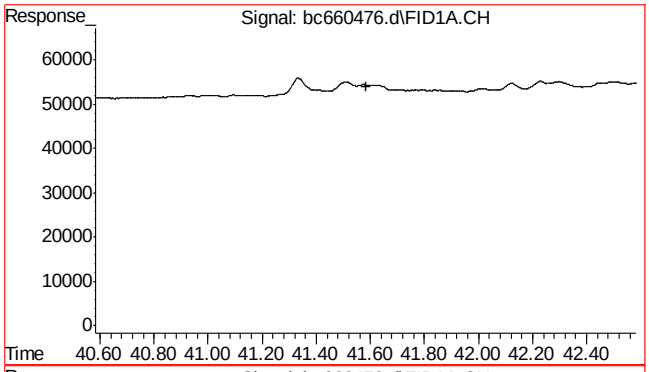
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



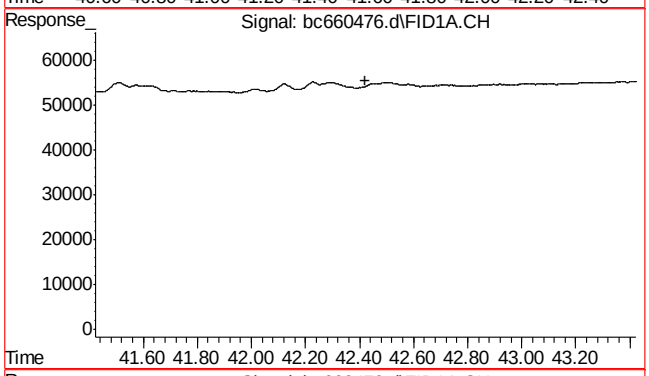
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



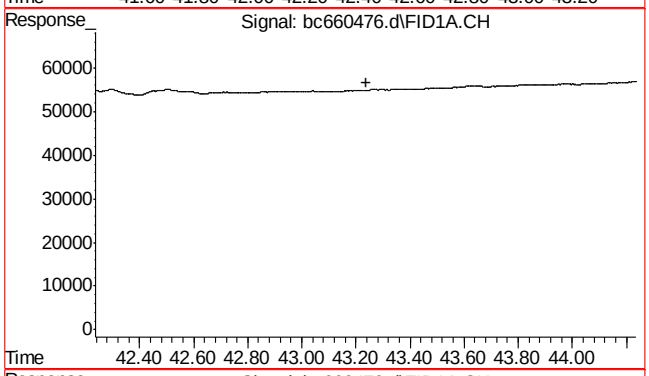
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



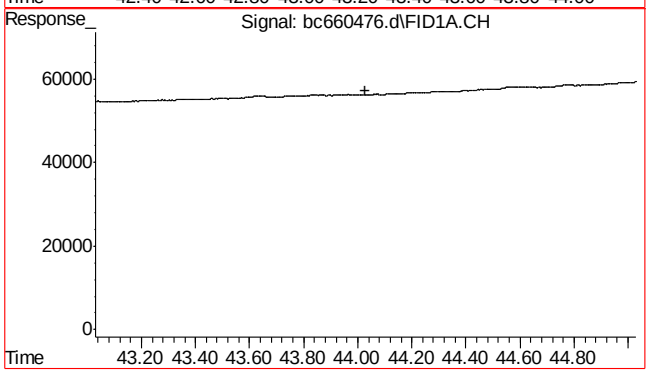
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



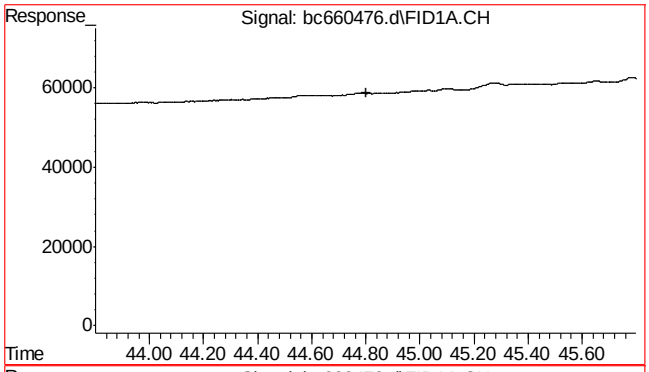
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



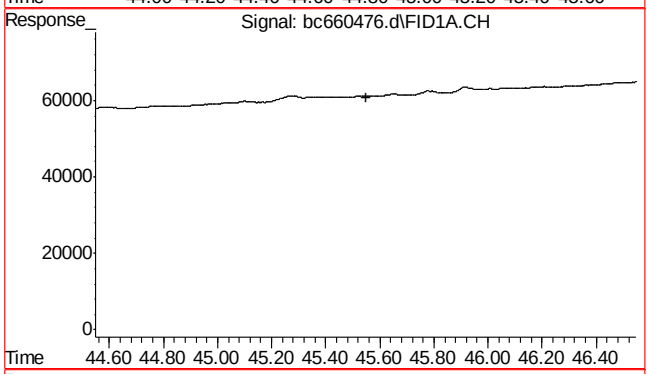
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



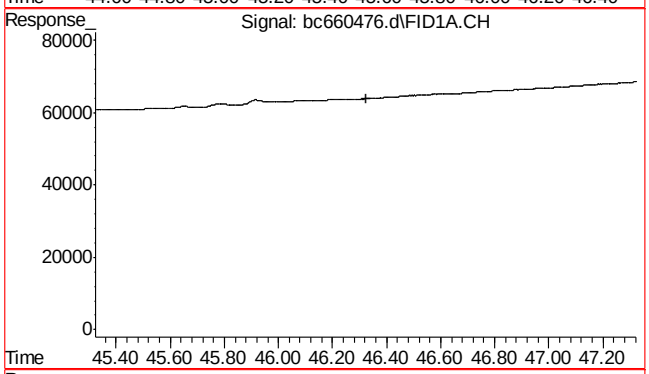
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



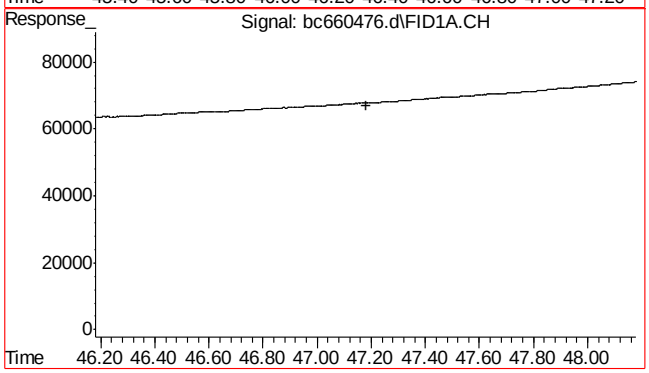
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



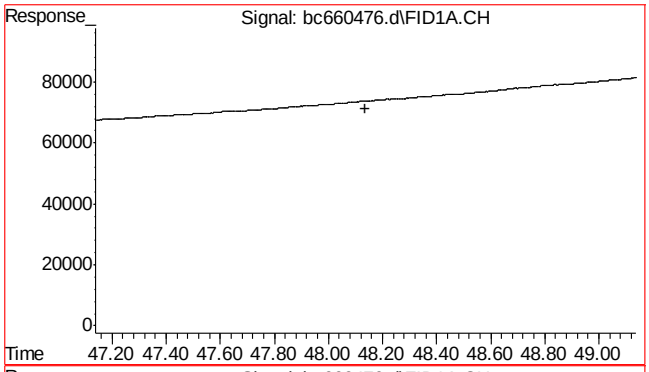
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



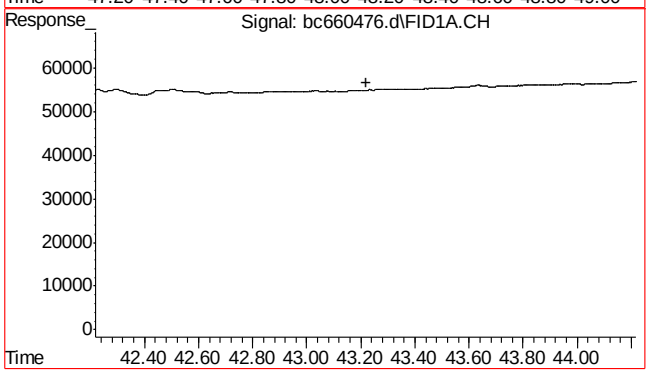
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660532.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 10:54:19
Operator : kimmien
Sample : mc30024-7a,op37816
Misc : op37816,gbc3617,1.10,,,10,,
ALS Vial : 40 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:24:13 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

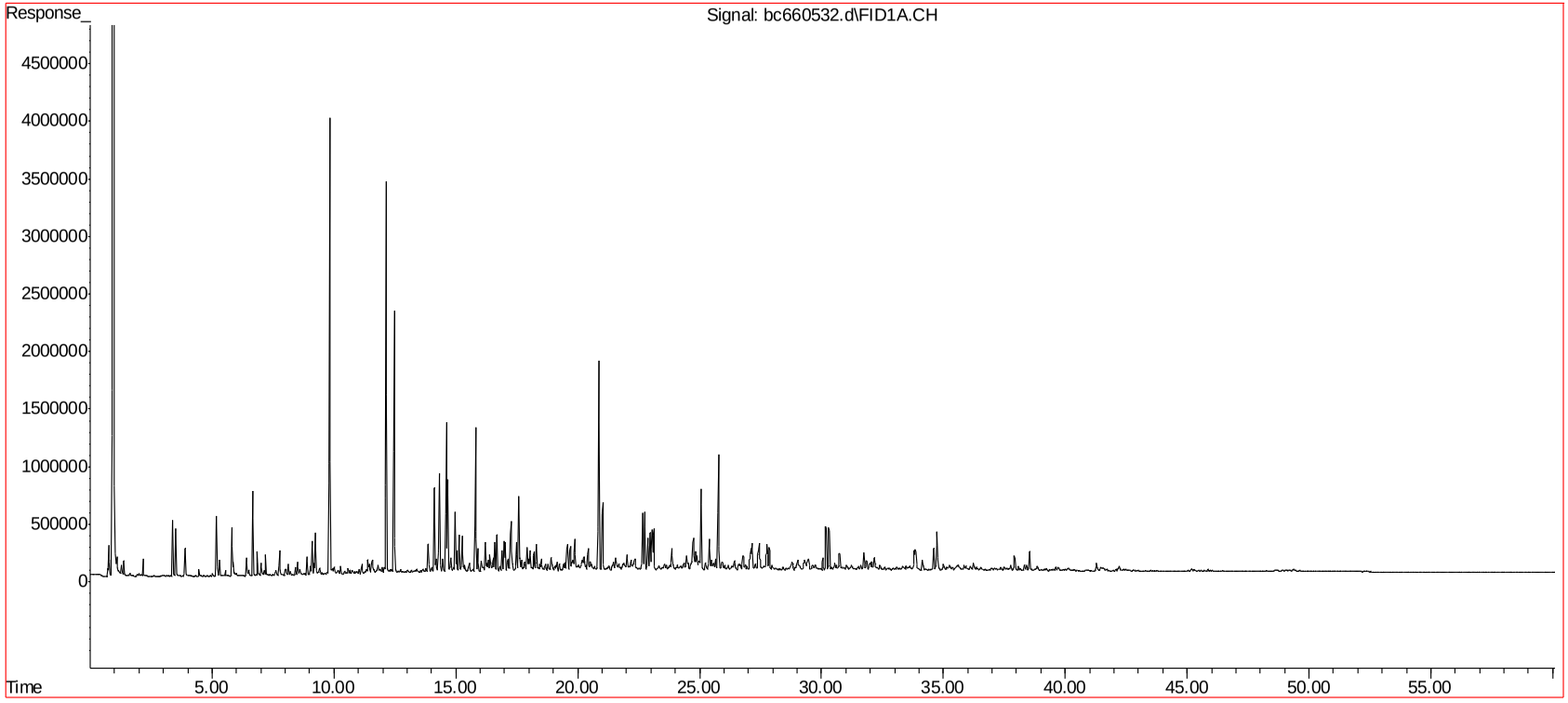
(f)=RT Delta > 1/2 Window (m)=manual int.

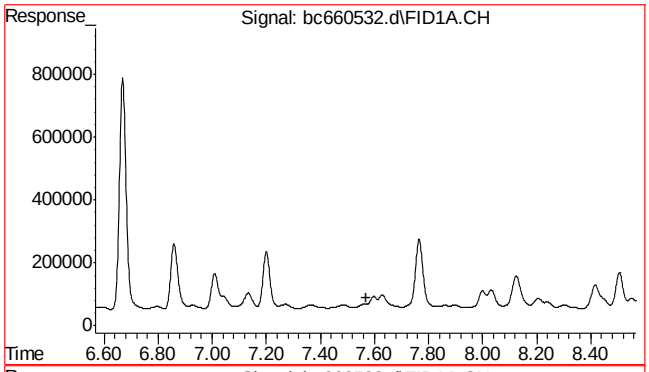
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660532.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 10:54:19
Operator : kimmien
Sample : mc30024-7a,op37816
Misc : op37816,gbc3617,1.10,,,10,,
ALS Vial : 40 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:24:13 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

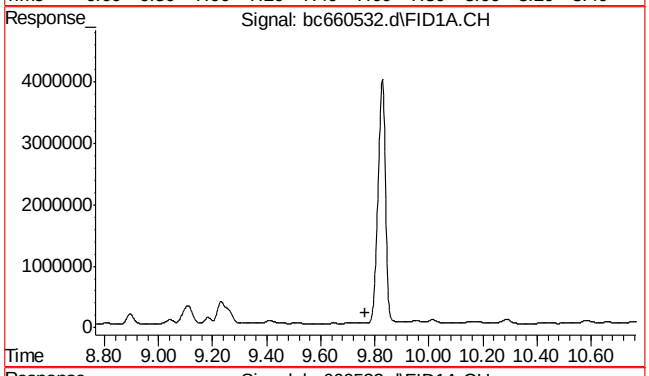
Volume Inj. :
Signal Phase :
Signal Info :





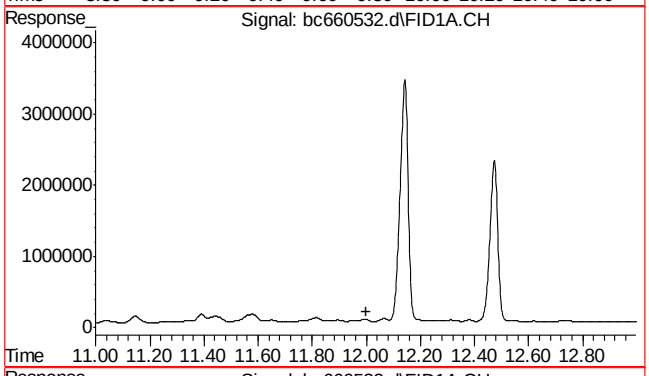
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



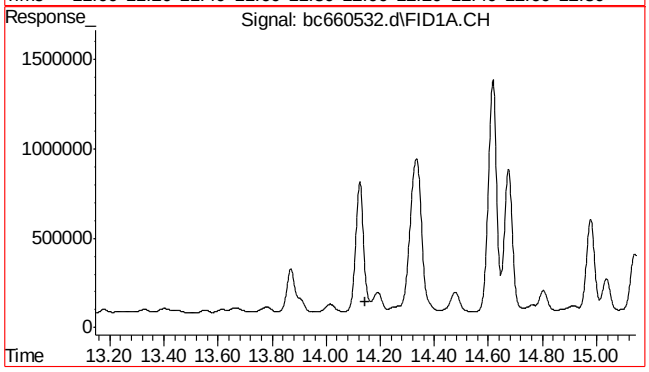
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



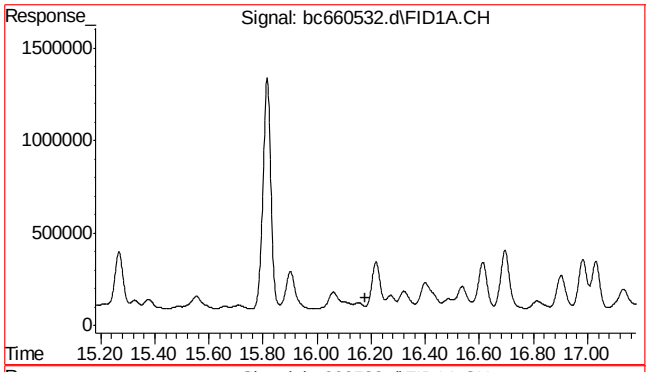
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



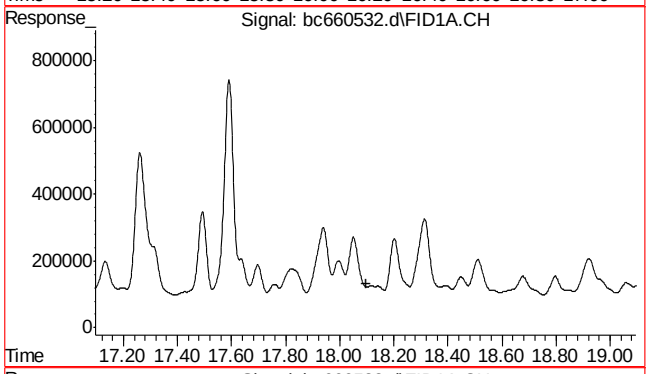
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



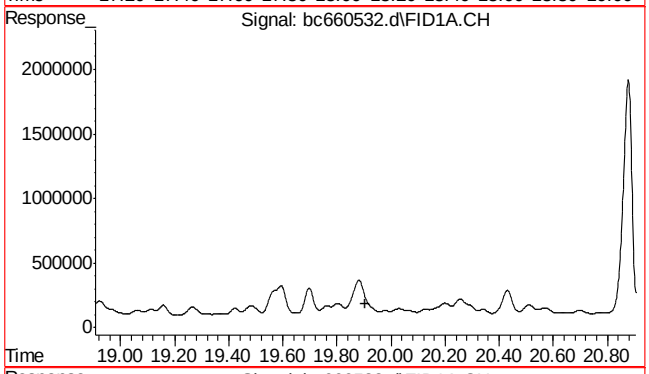
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



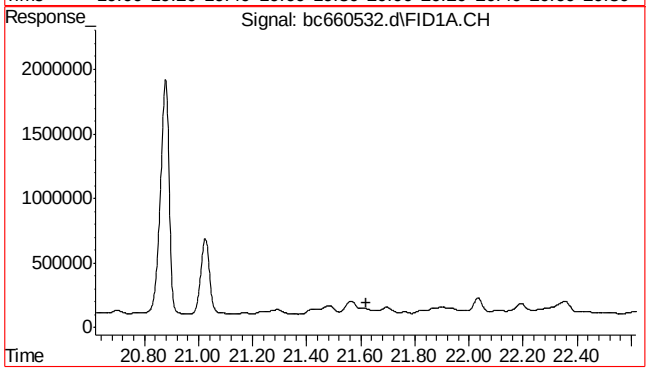
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



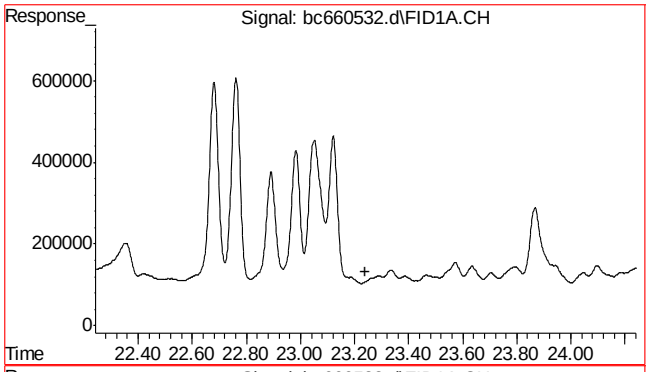
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



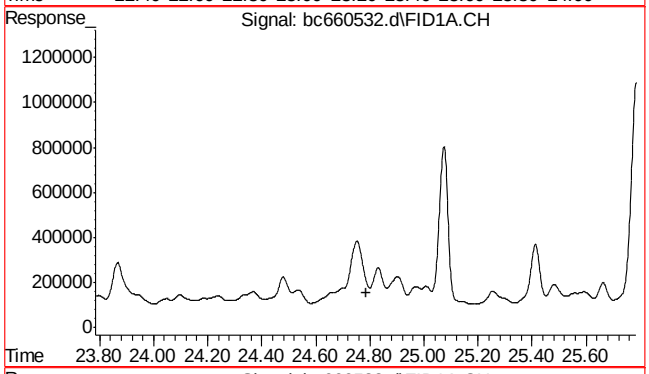
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



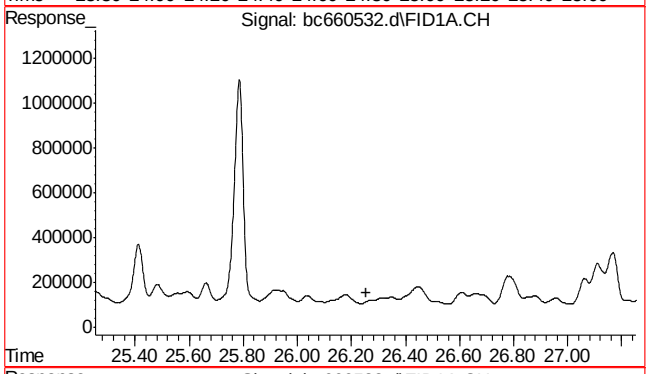
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



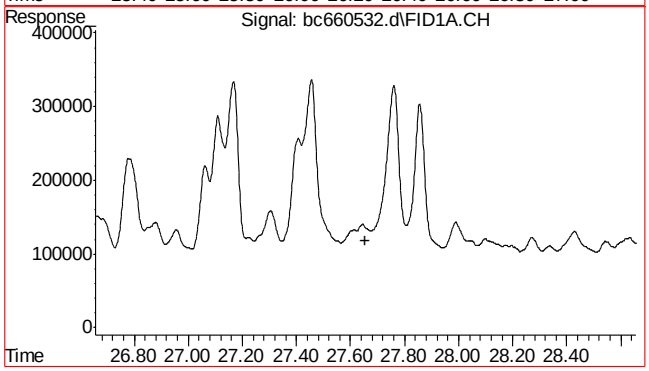
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



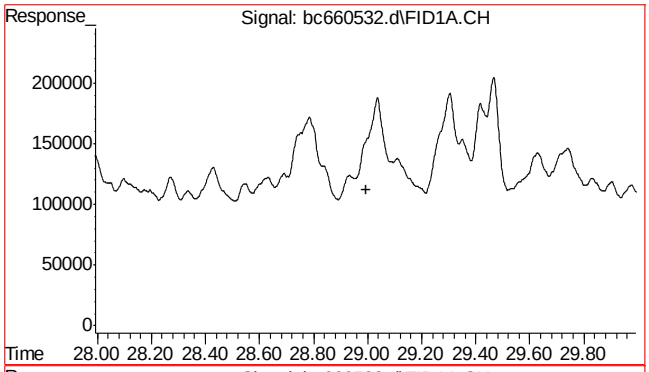
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



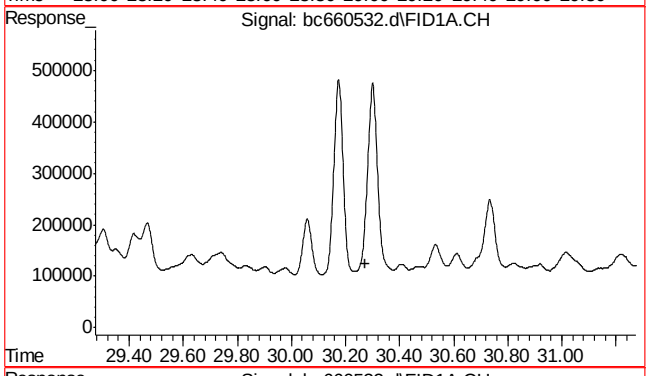
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



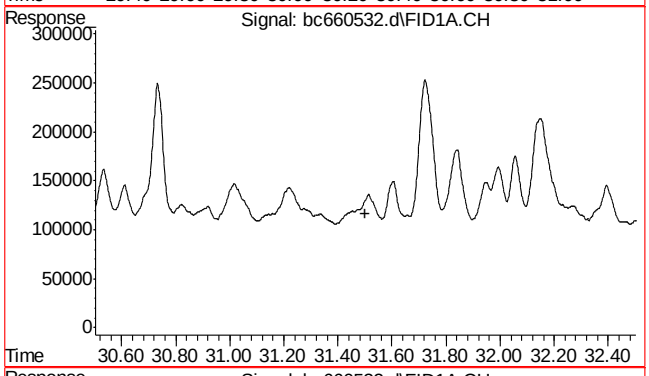
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



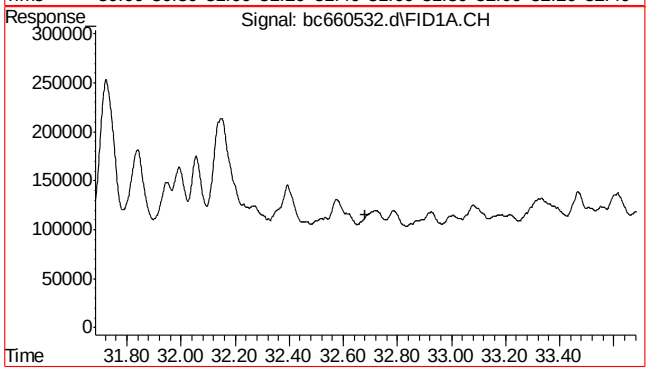
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



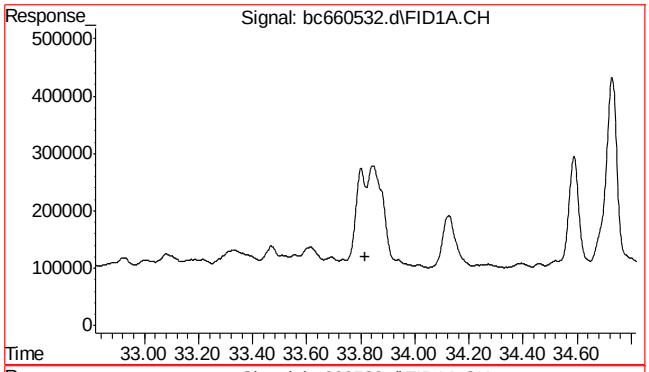
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



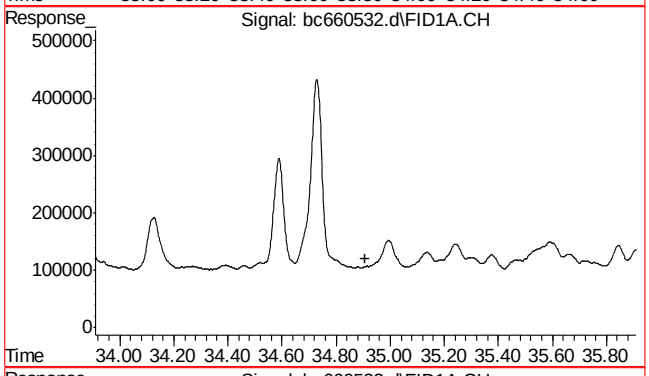
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



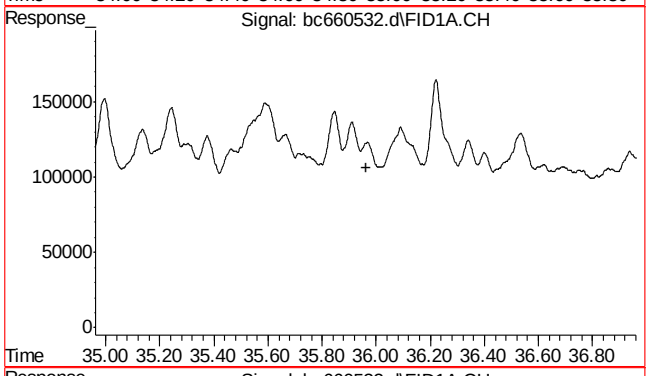
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



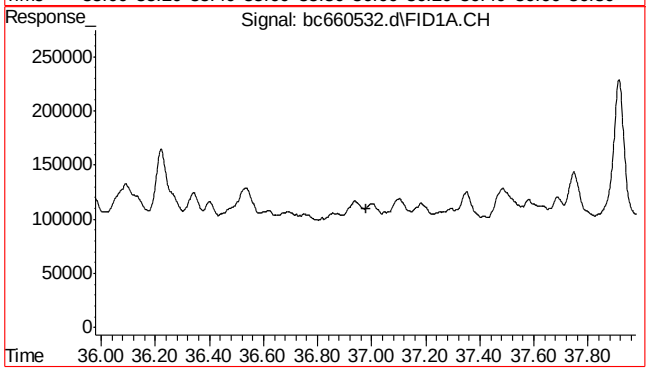
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



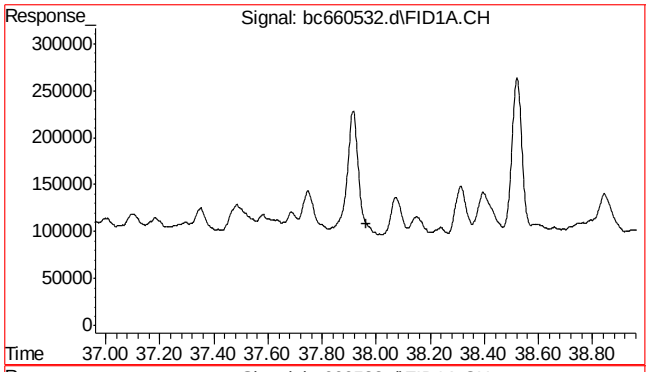
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



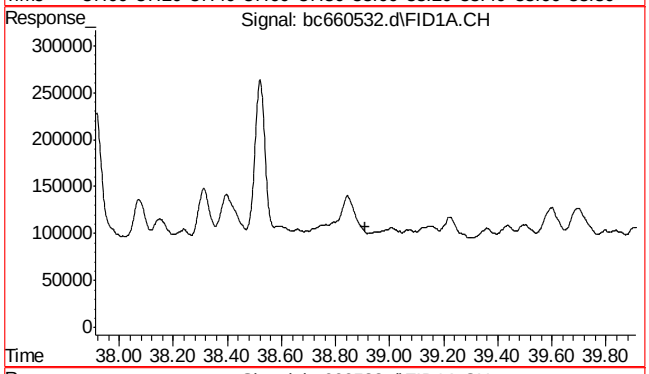
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



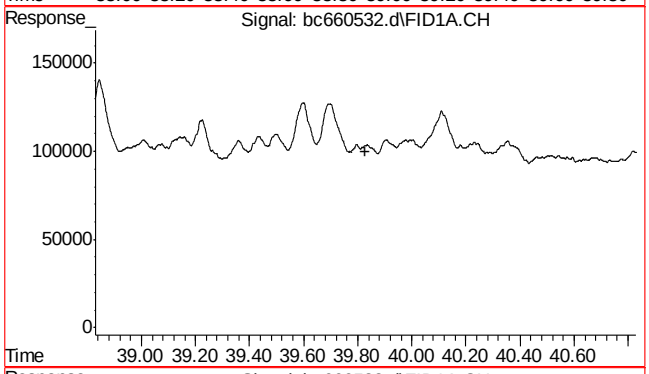
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



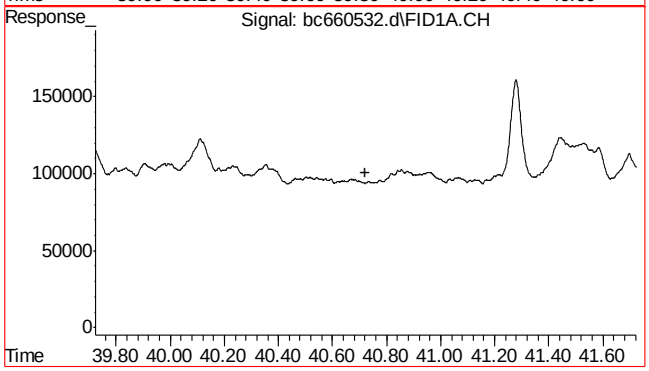
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



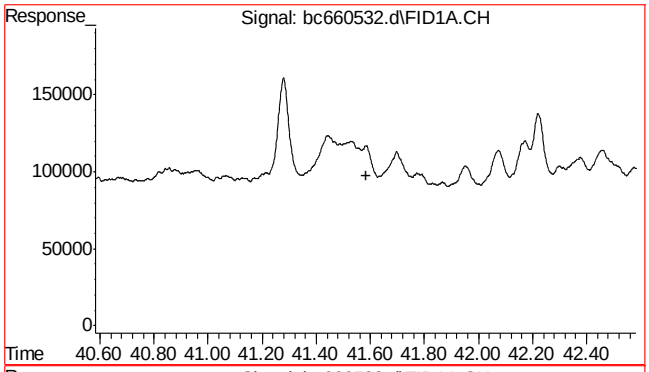
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



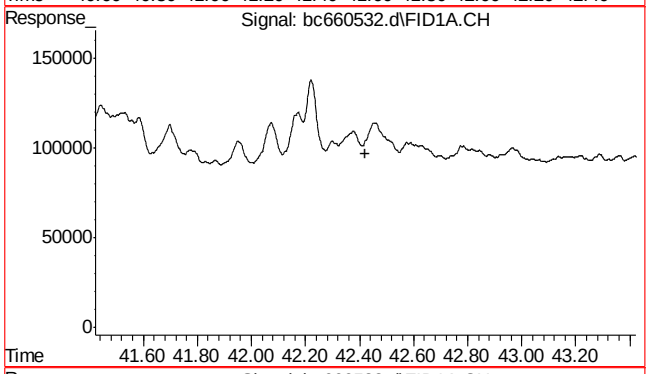
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



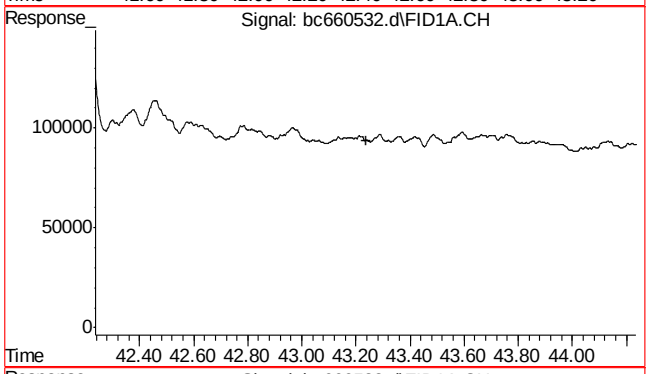
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



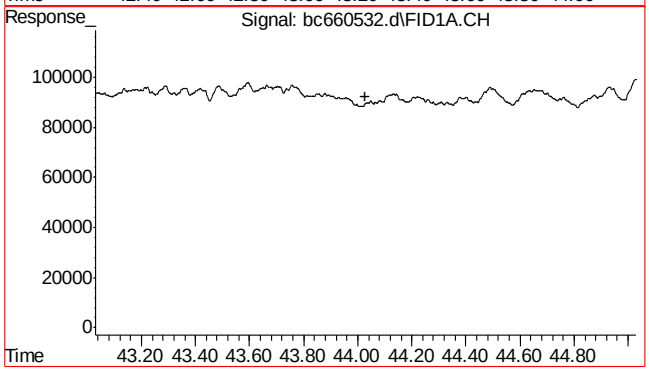
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



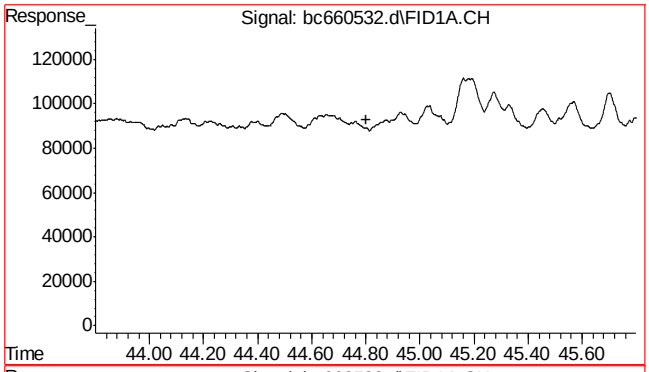
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



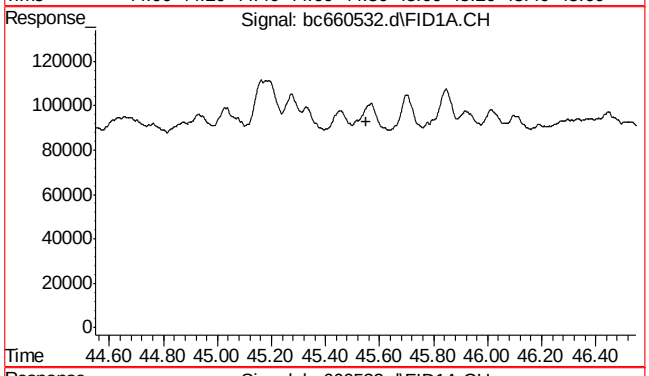
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



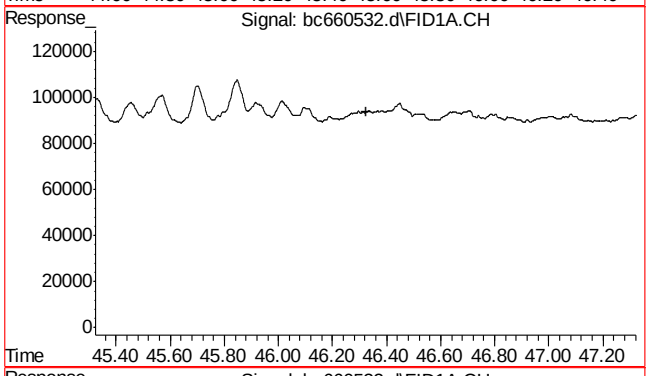
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



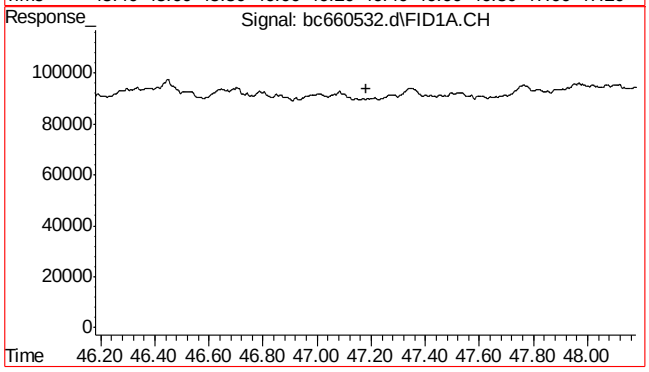
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



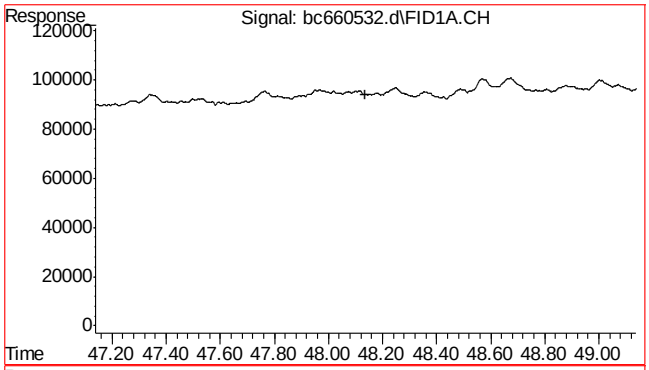
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



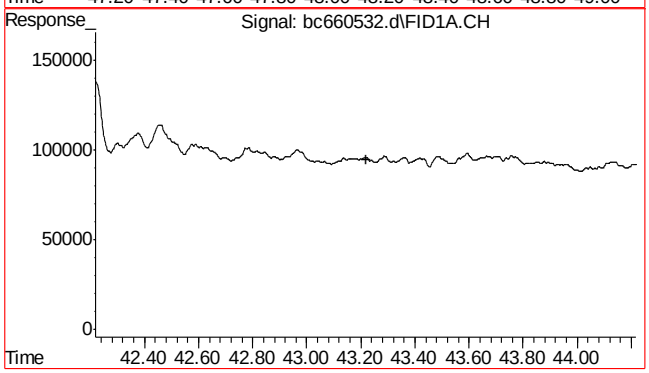
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660528.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 08:31:26
Operator : kimmien
Sample : mc30024-8a,op37816
Misc : op37816,gbc3617,1.18,,,10,,
ALS Vial : 38 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:23:20 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

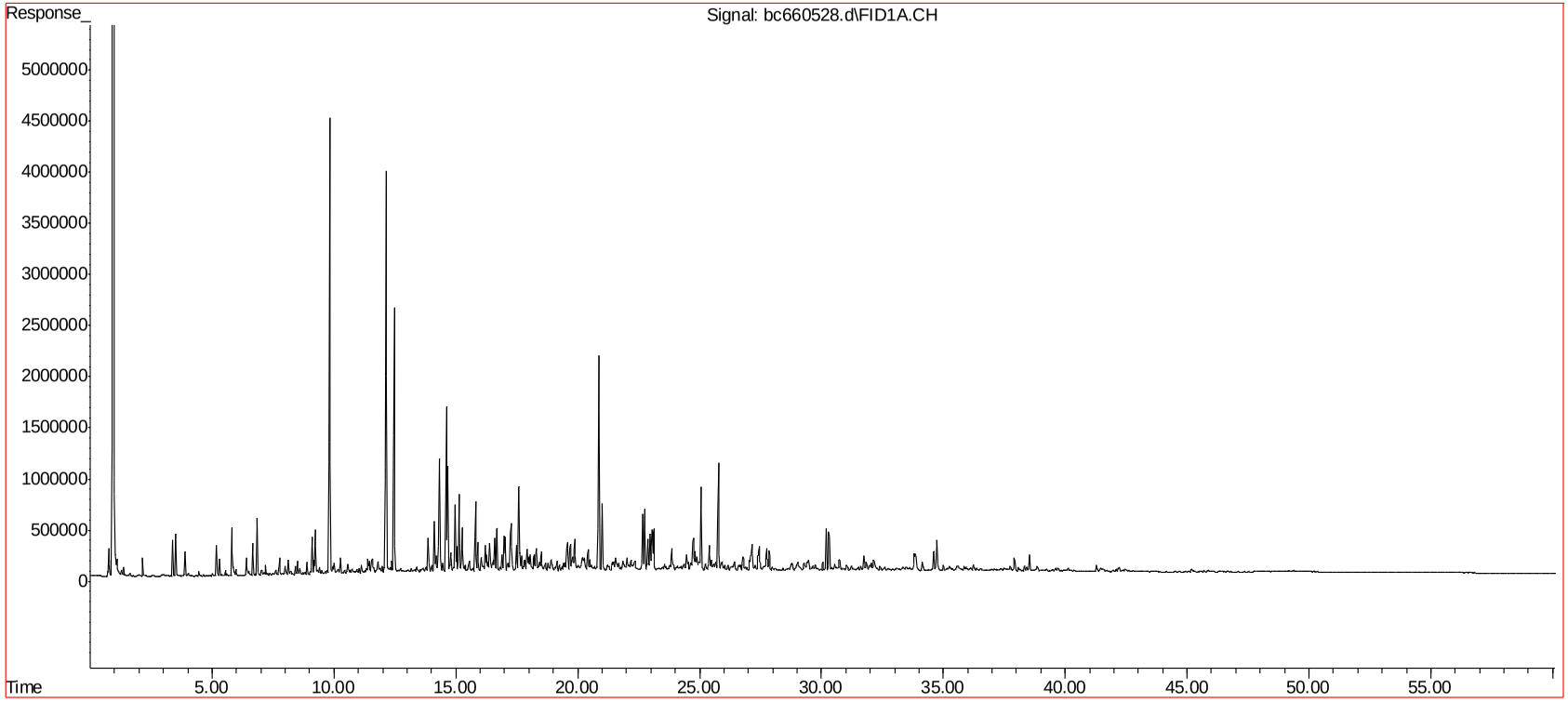
(f)=RT Delta > 1/2 Window (m)=manual int.

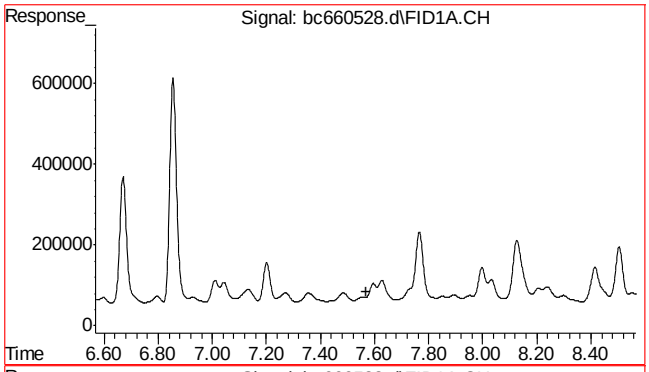
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660528.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 08:31:26
Operator : kimmien
Sample : mc30024-8a,op37816
Misc : op37816,gbc3617,1.18,,,10,,
ALS Vial : 38 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:23:20 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

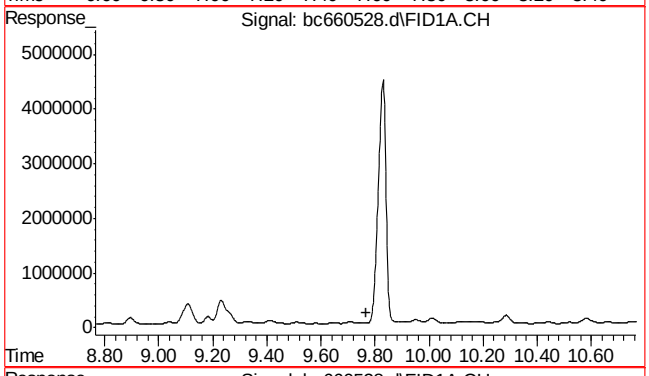
Volume Inj. :
Signal Phase :
Signal Info :





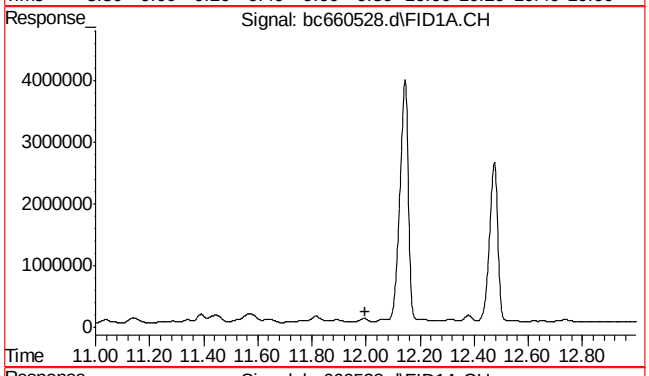
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



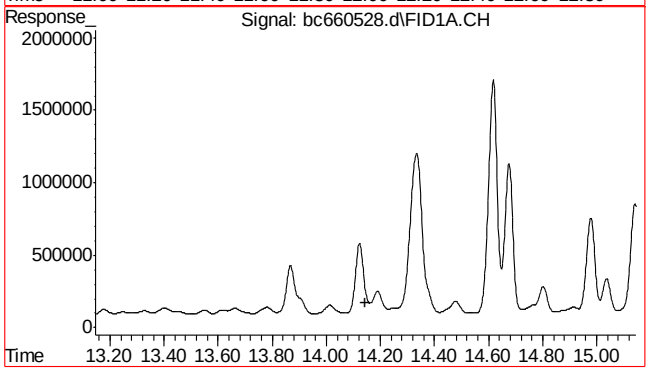
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



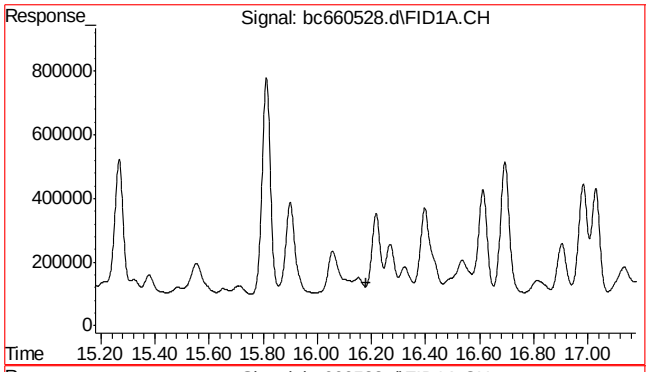
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



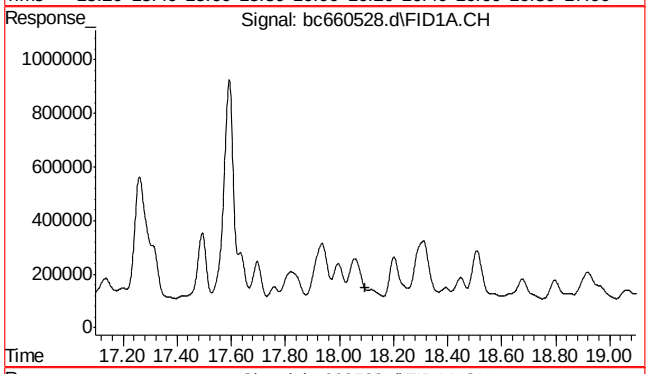
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



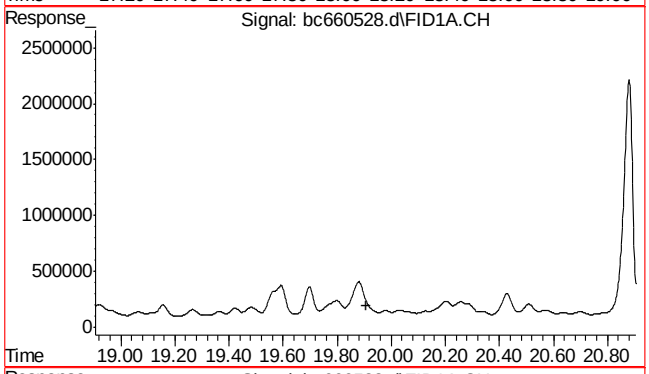
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



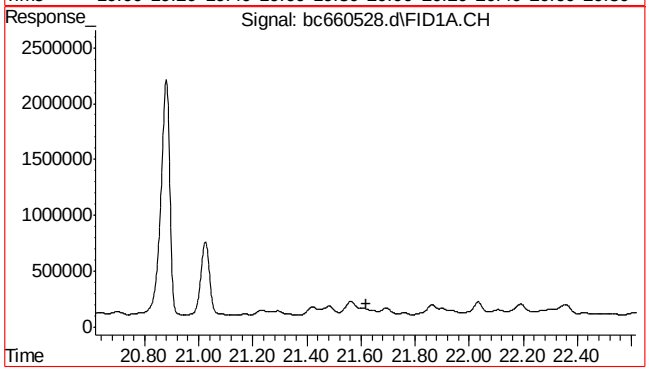
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



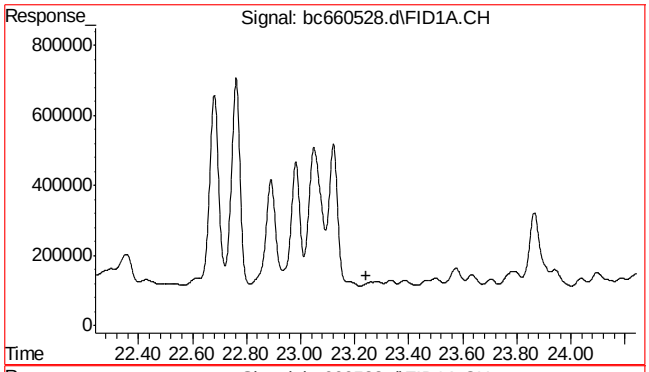
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



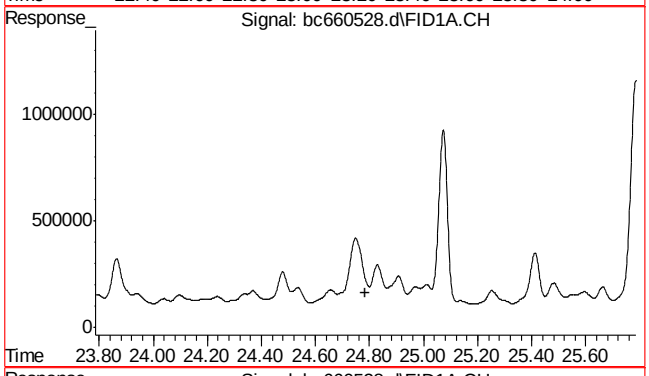
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



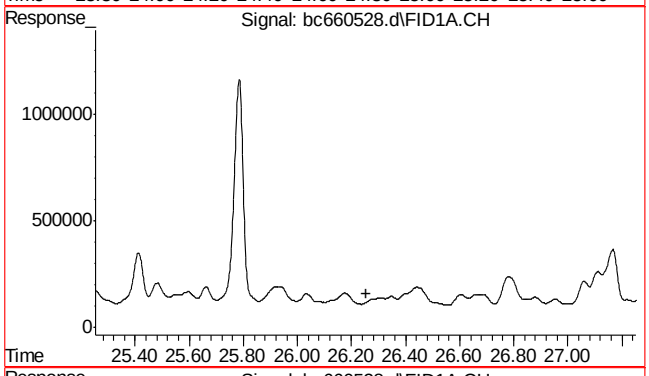
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



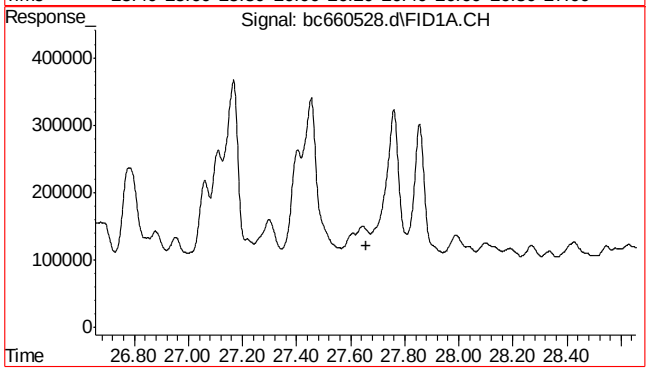
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



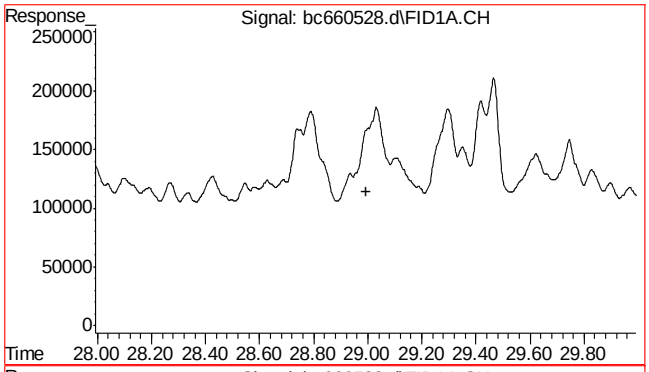
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



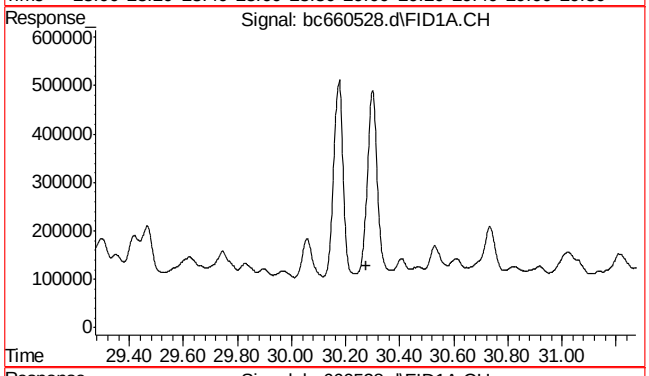
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



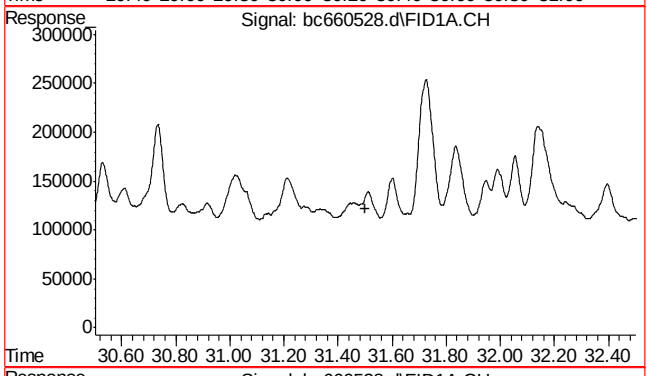
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



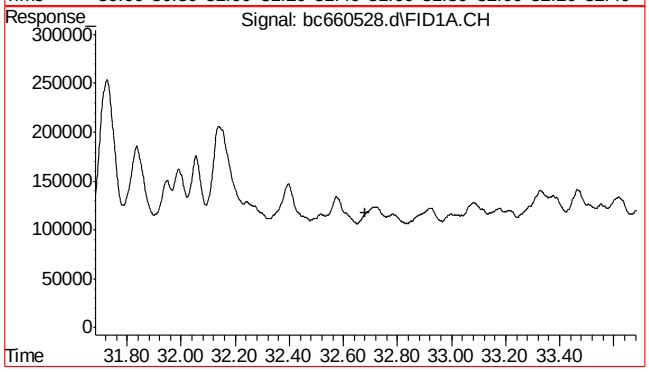
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



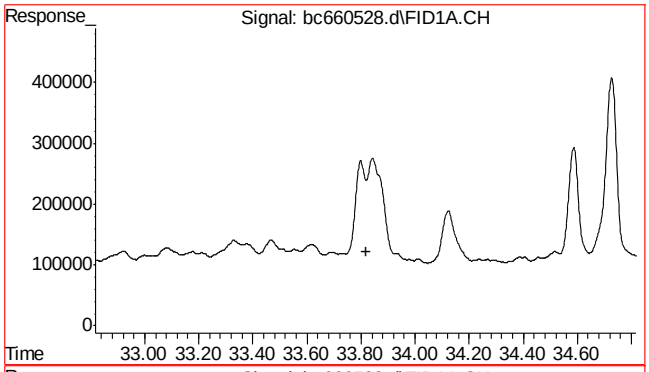
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



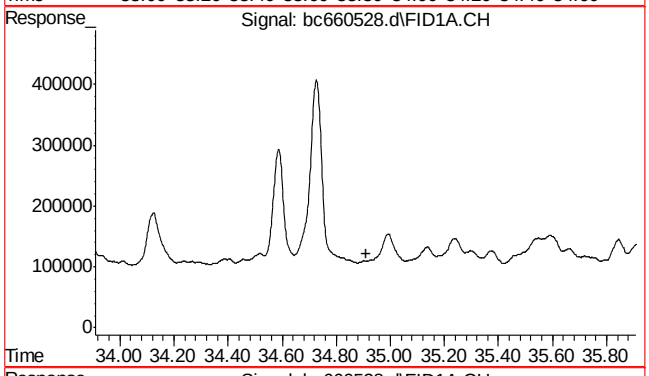
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



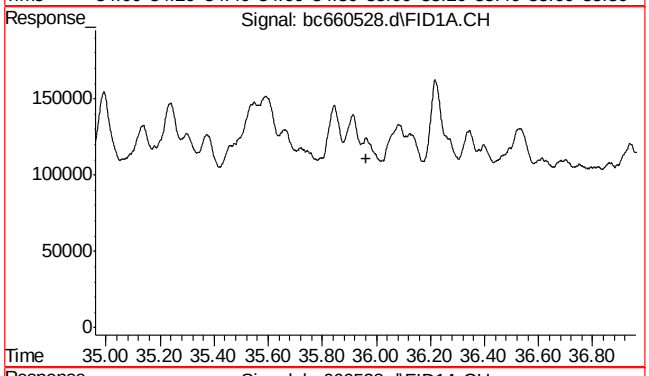
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



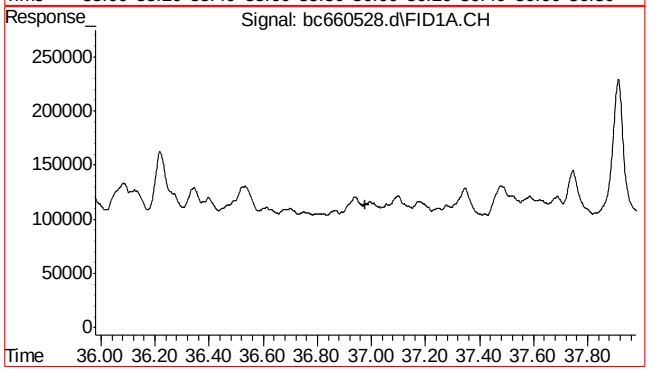
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



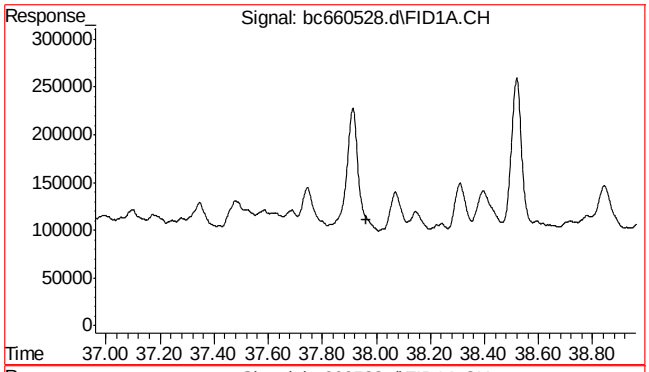
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



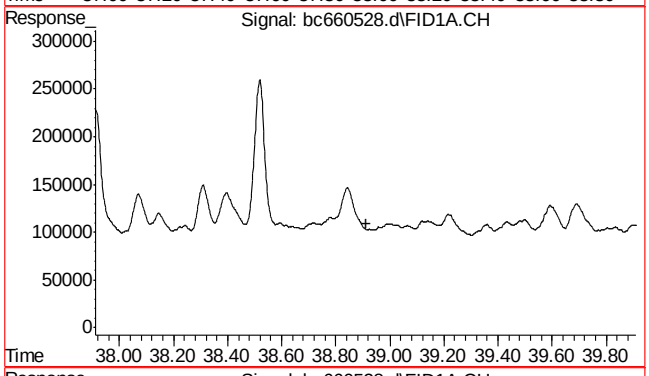
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



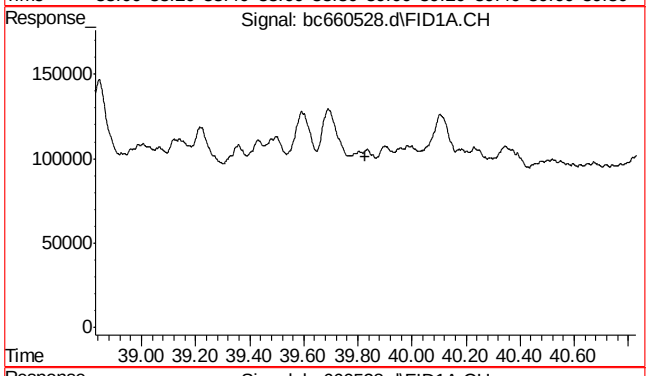
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



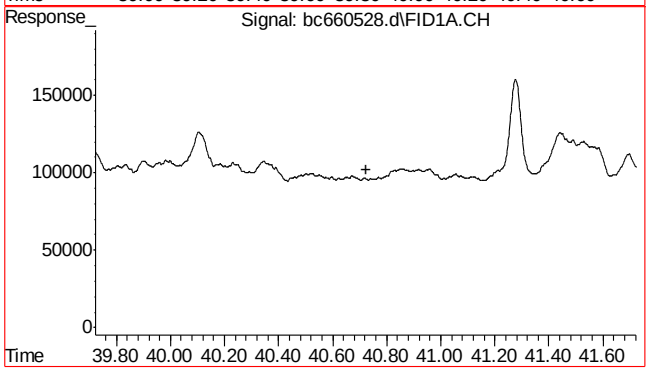
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



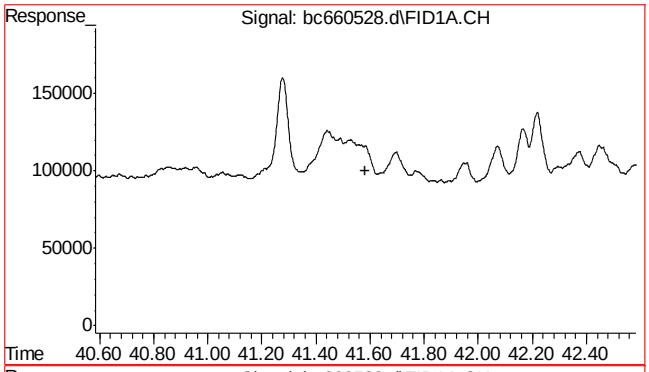
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



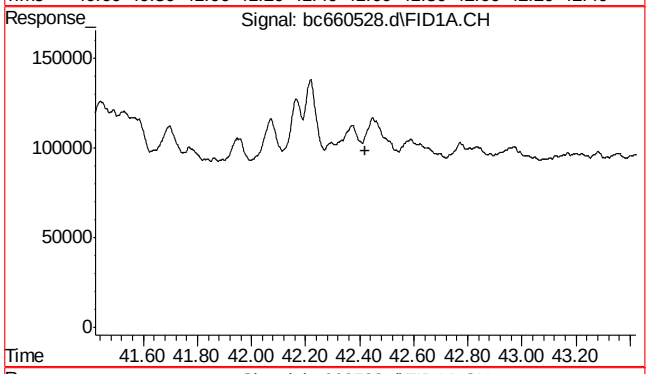
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



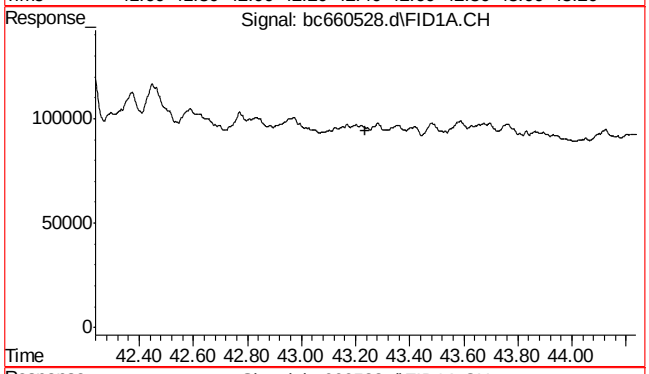
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



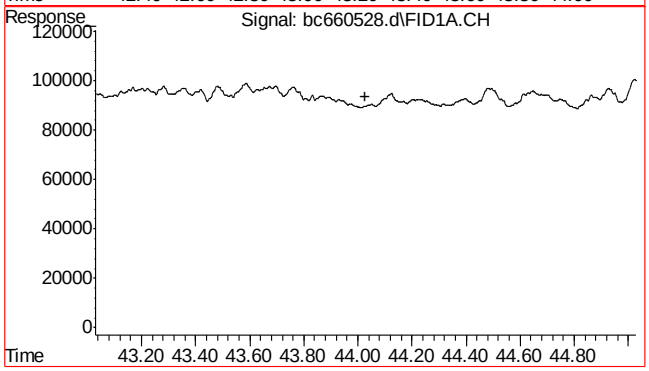
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



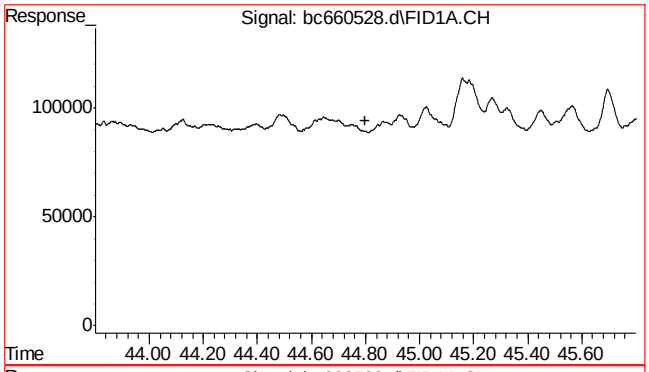
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



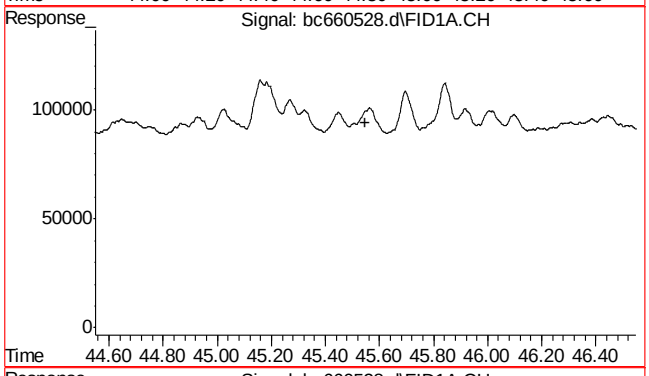
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



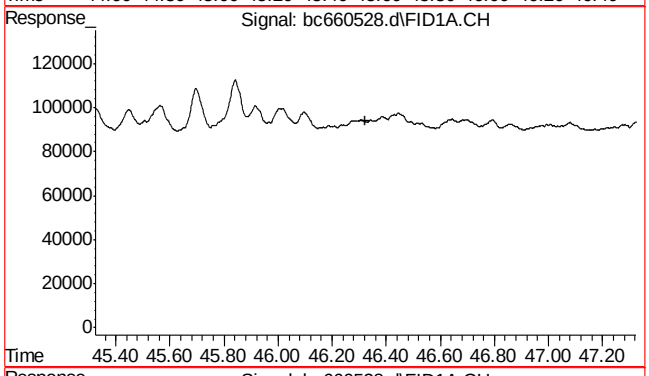
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



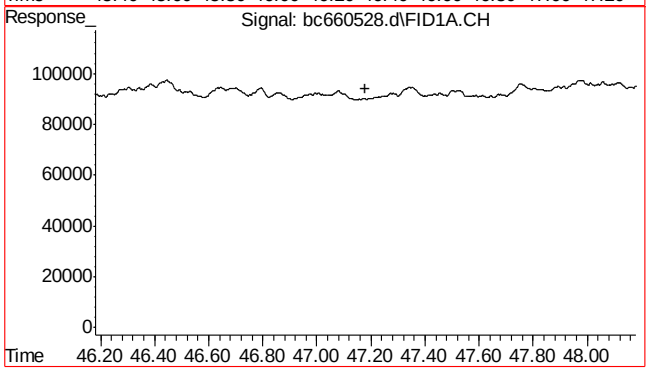
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



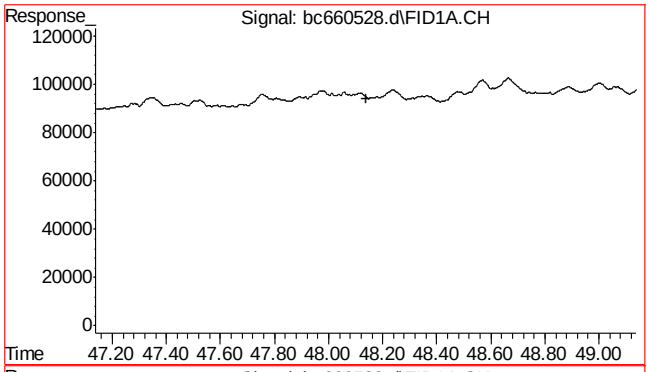
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



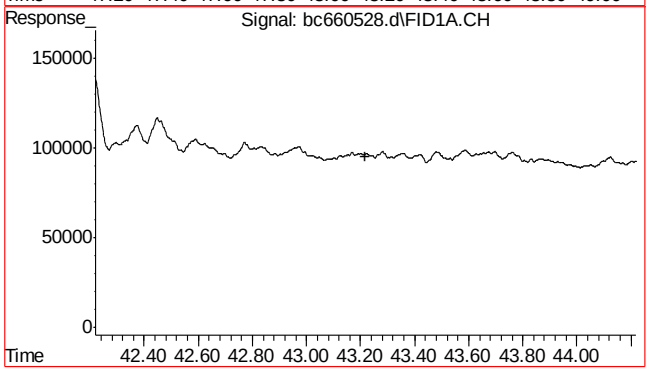
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660524.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 06:08:06
Operator : kimmien
Sample : mc30024-9a,op37816,10
Misc : op37816,gbc3617,1.17,,,10,10,
ALS Vial : 36 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:22:38 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

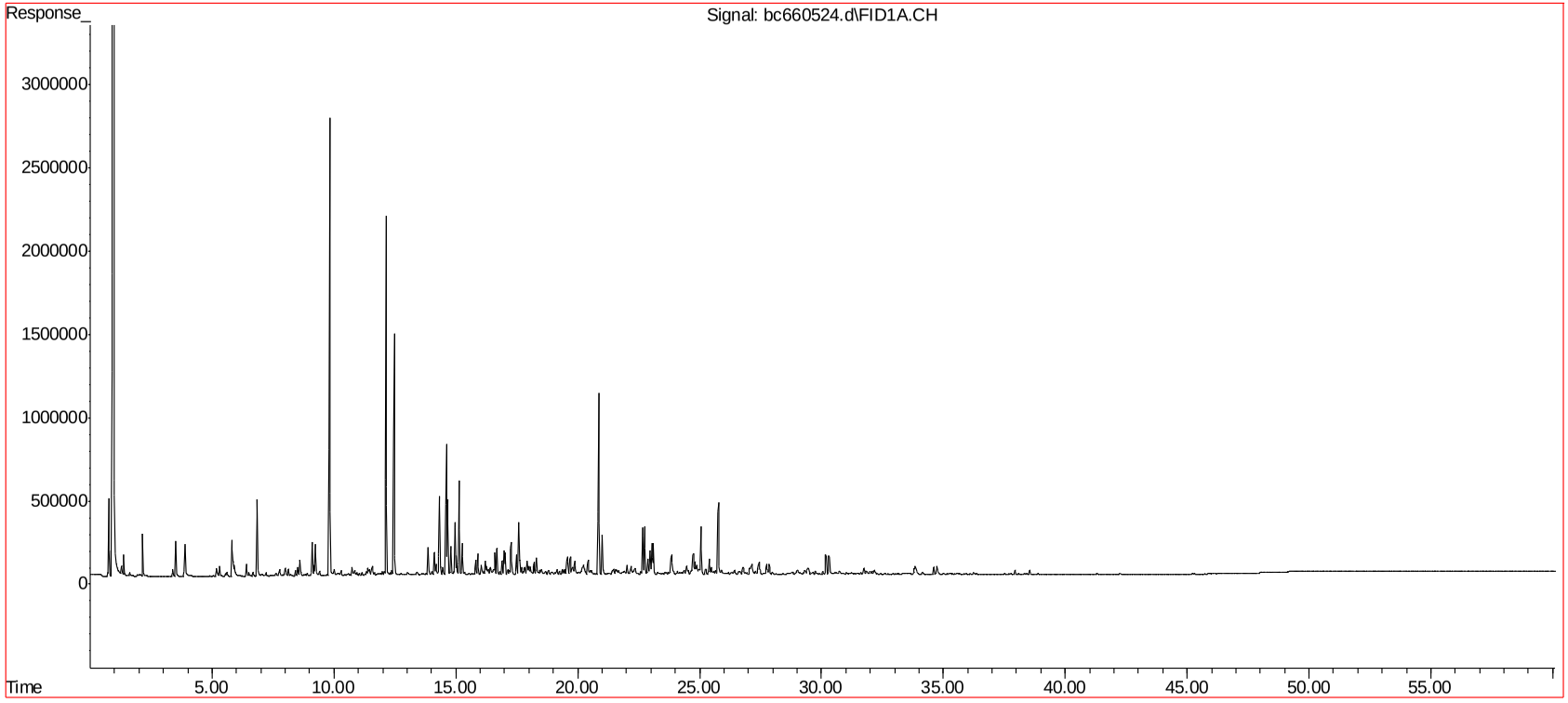
(f)=RT Delta > 1/2 Window (m)=manual int.

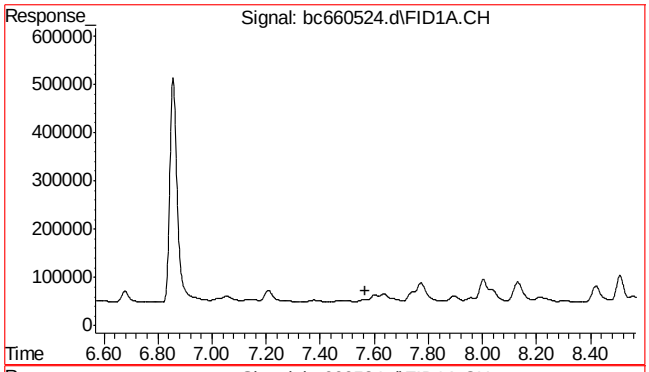
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660524.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 06:08:06
Operator : kimmien
Sample : mc30024-9a,op37816,10
Misc : op37816,gbc3617,1.17,,,10,10,
ALS Vial : 36 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:22:38 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

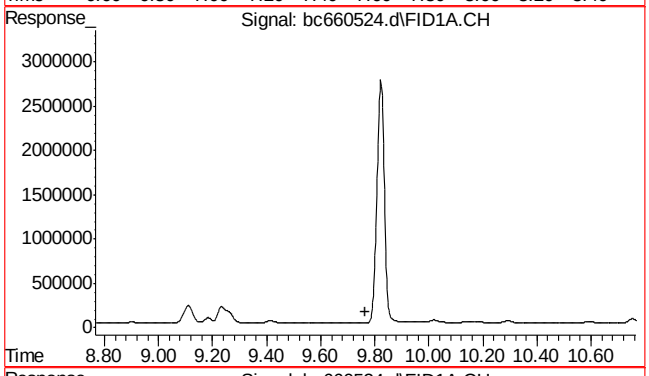
Volume Inj. :
Signal Phase :
Signal Info :





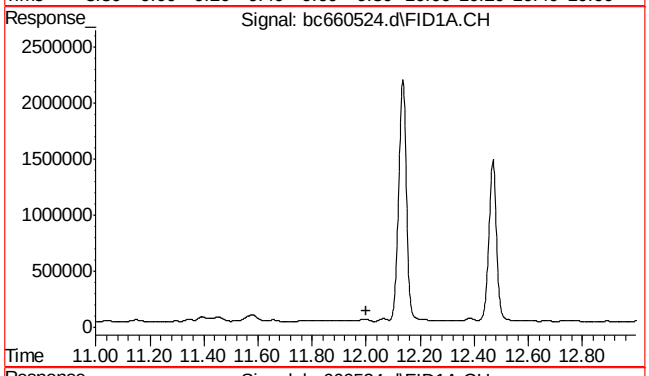
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



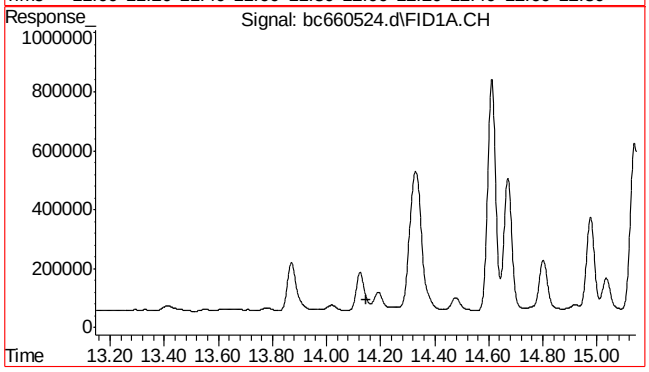
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



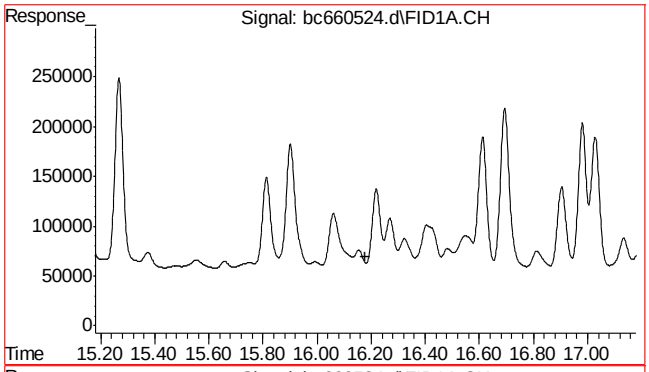
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



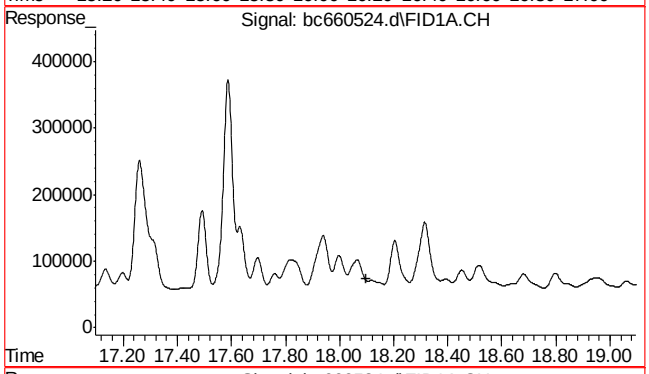
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



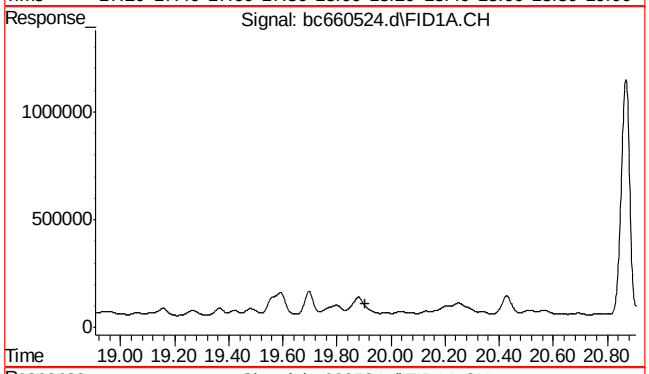
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



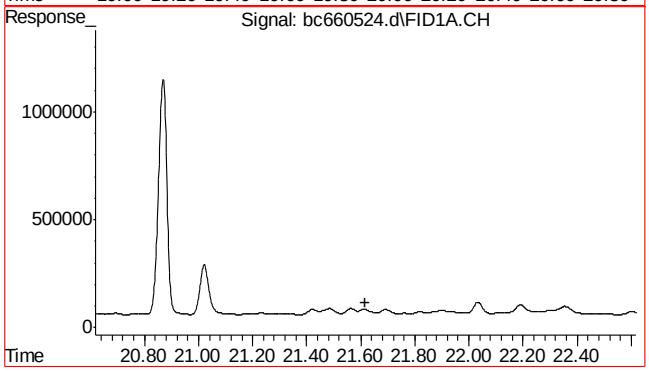
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



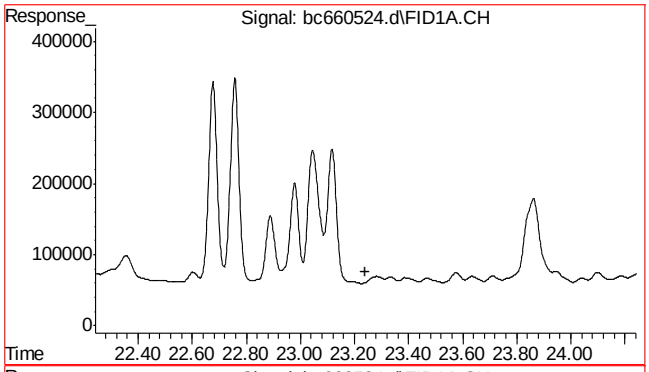
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



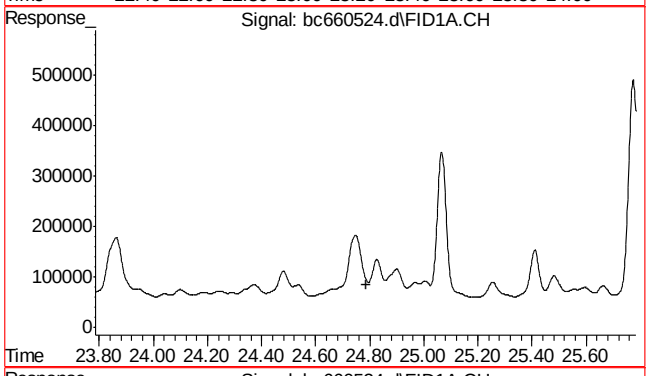
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



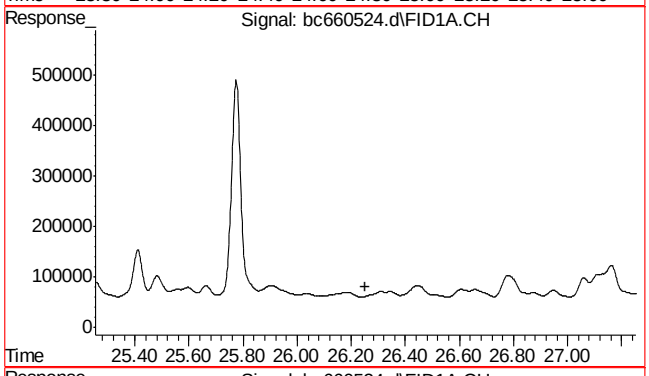
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



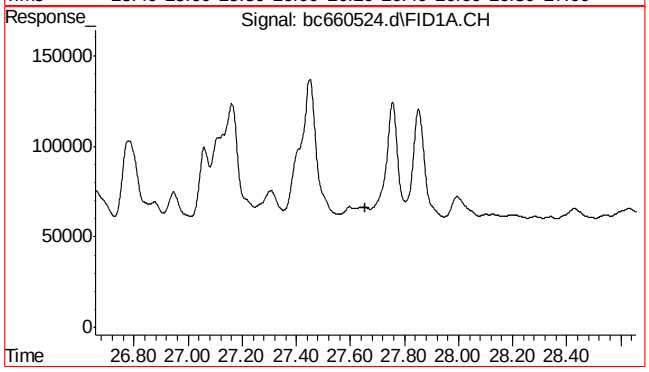
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



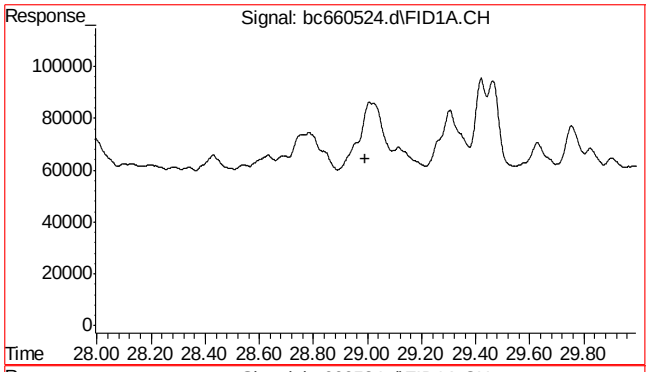
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



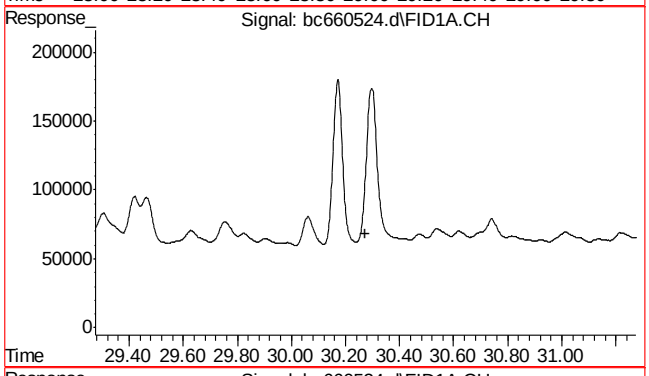
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



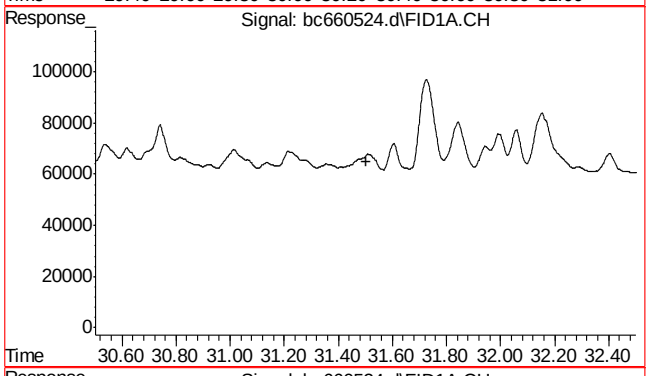
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



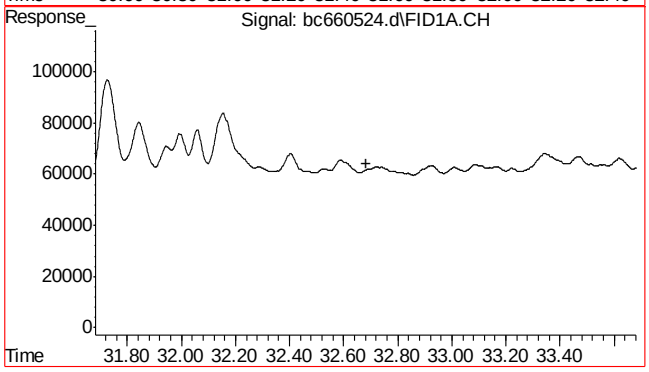
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



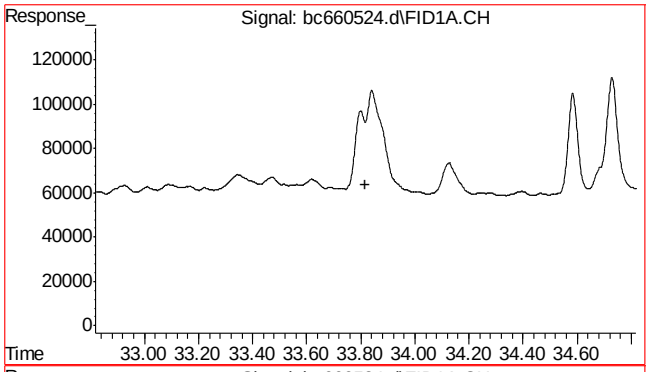
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



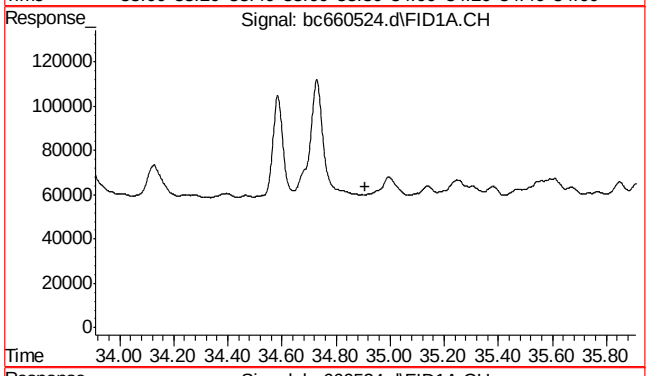
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



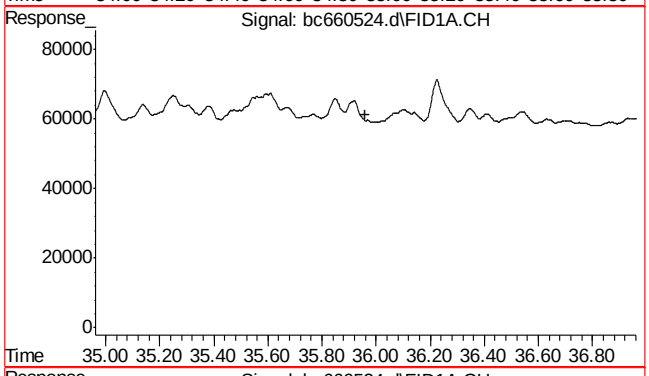
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



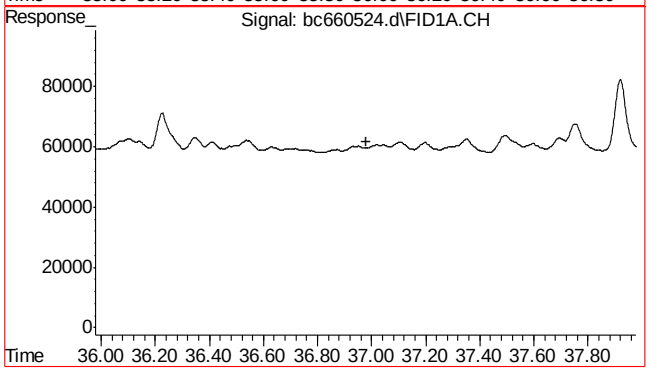
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



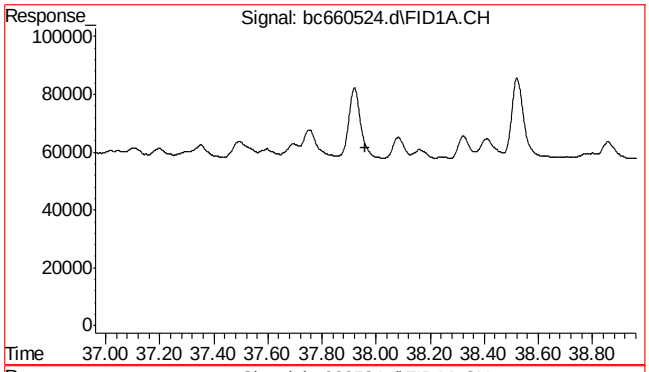
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



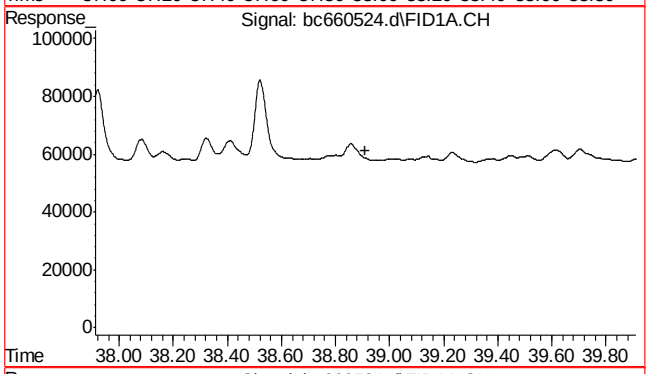
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



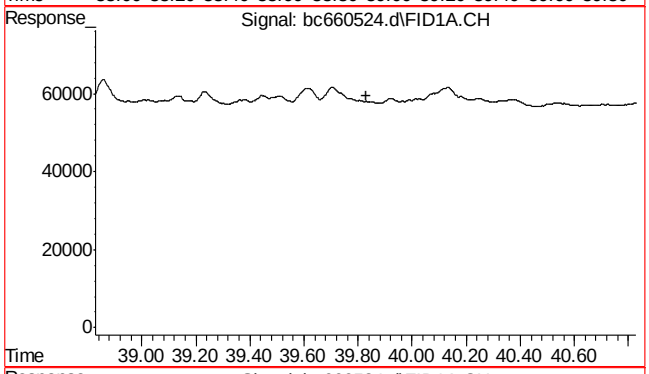
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



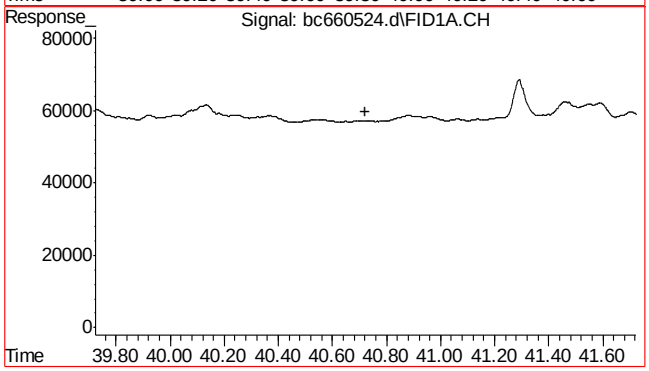
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



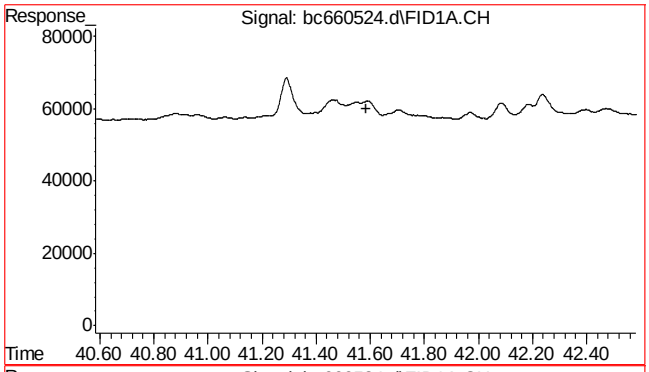
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



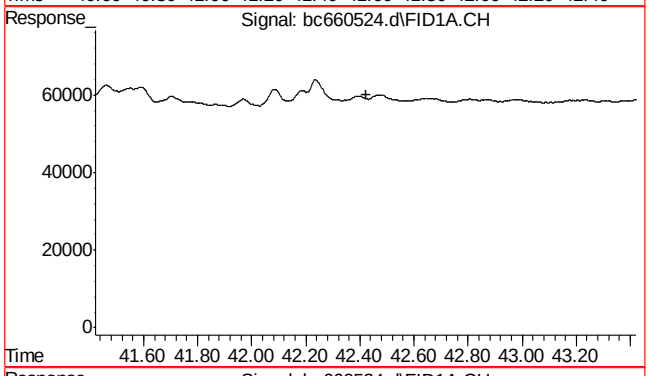
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



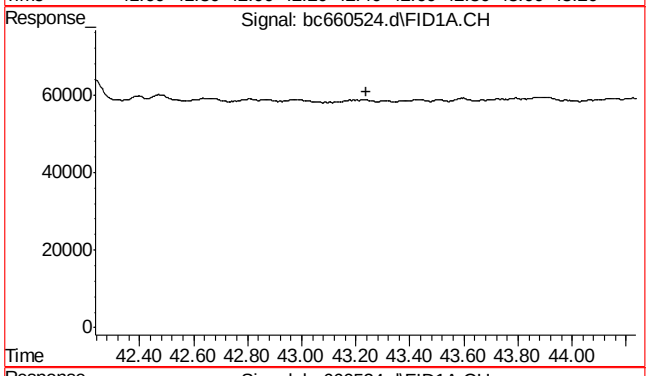
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



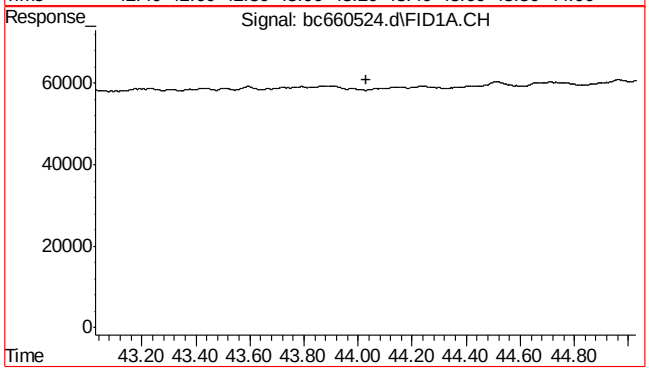
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



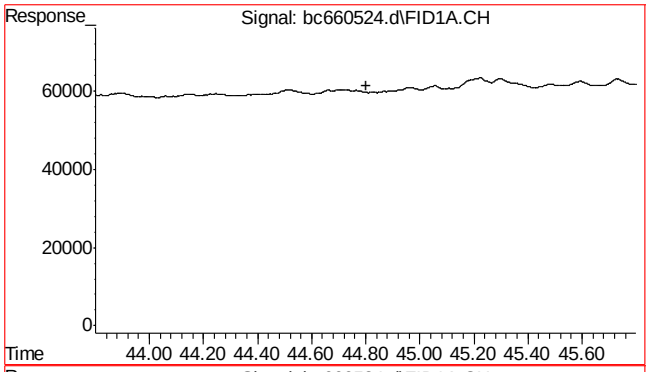
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



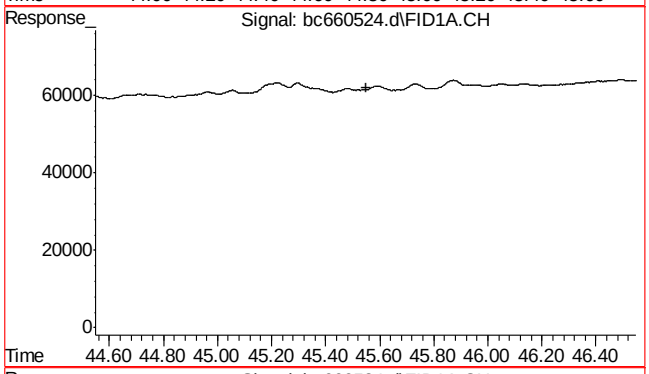
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



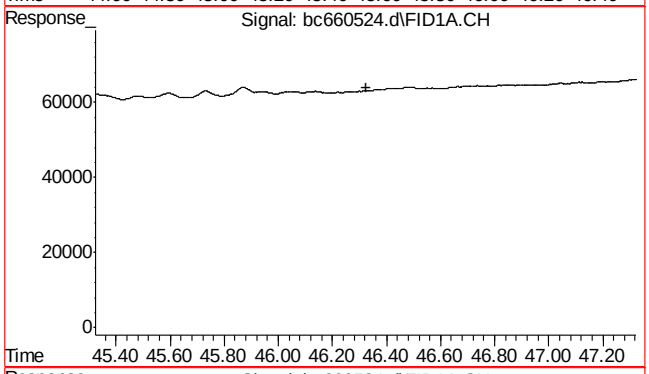
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



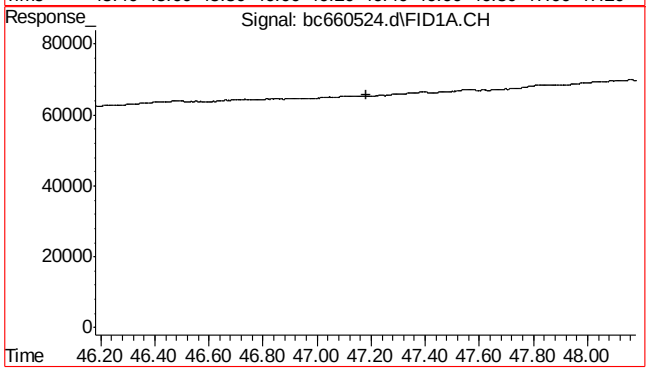
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



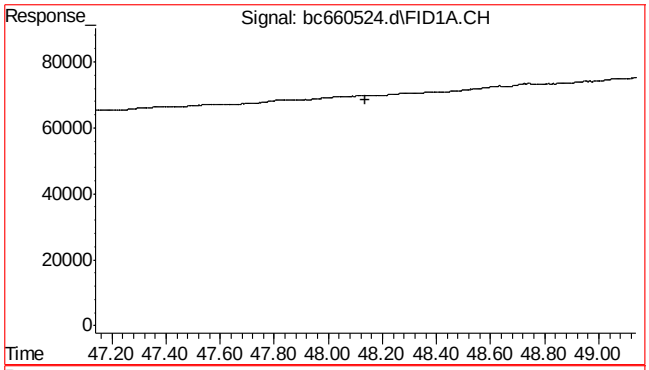
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



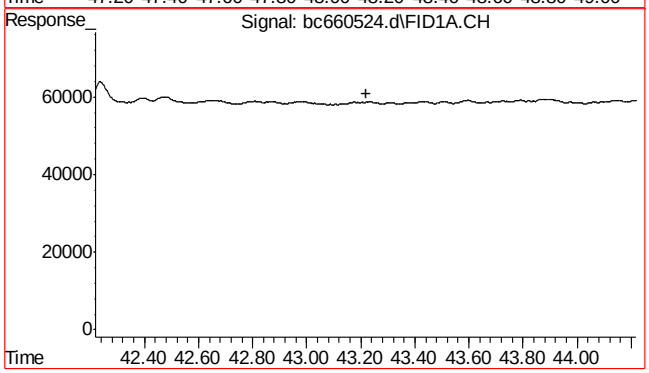
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660504.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 18:05:57
Operator : kimmien
Sample : mc30024-10a,op37816
Misc : op37816,gbc3617,1.45,,,10,,
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:19:07 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

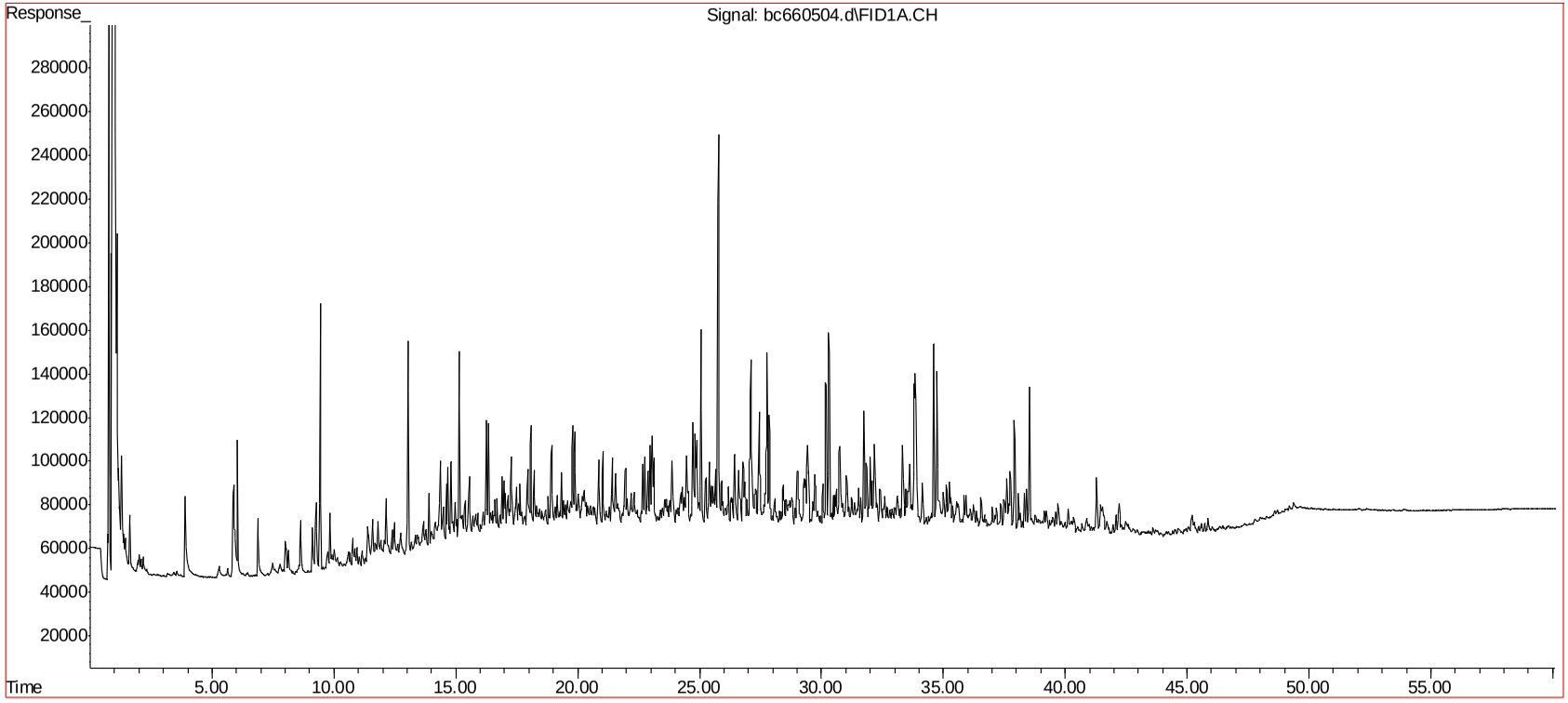
(f)=RT Delta > 1/2 Window (m)=manual int.

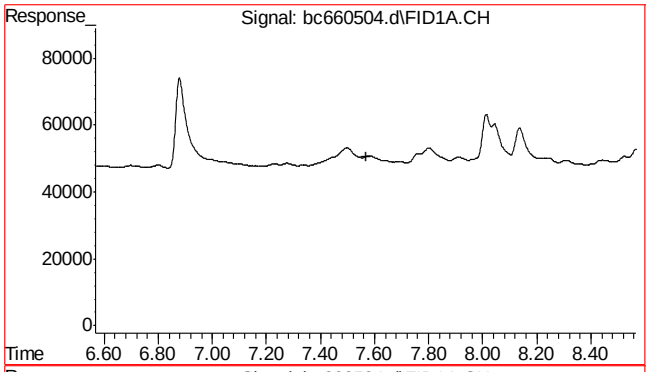
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660504.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 18:05:57
Operator : kimmien
Sample : mc30024-10a,op37816
Misc : op37816,gbc3617,1.45,,,10,,
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:19:07 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

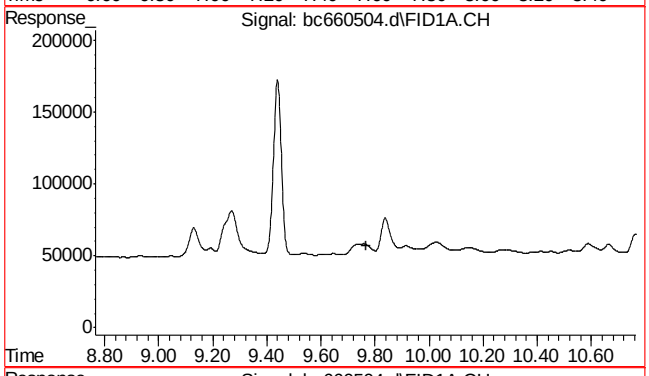
Volume Inj. :
Signal Phase :
Signal Info :





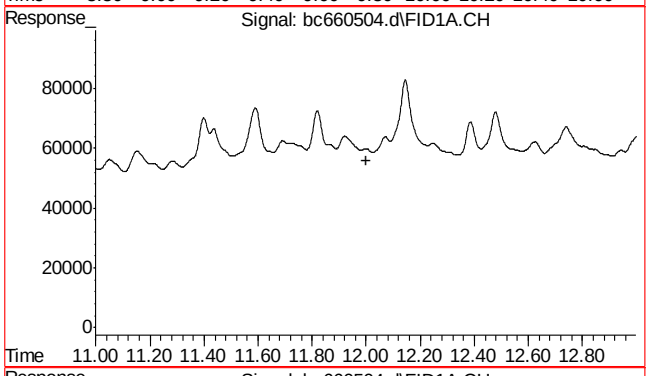
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



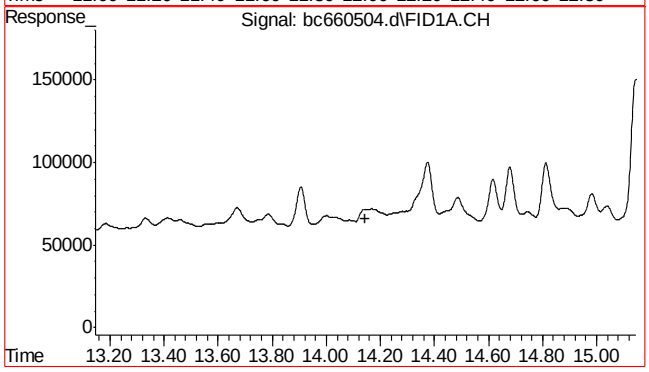
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



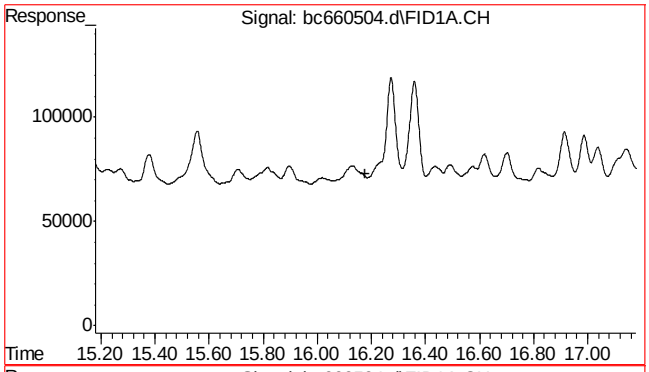
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



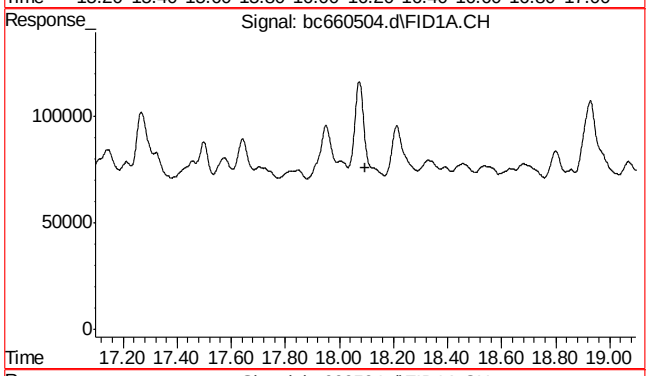
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



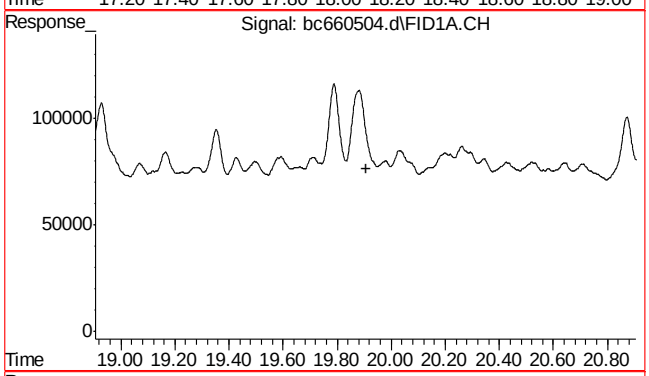
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



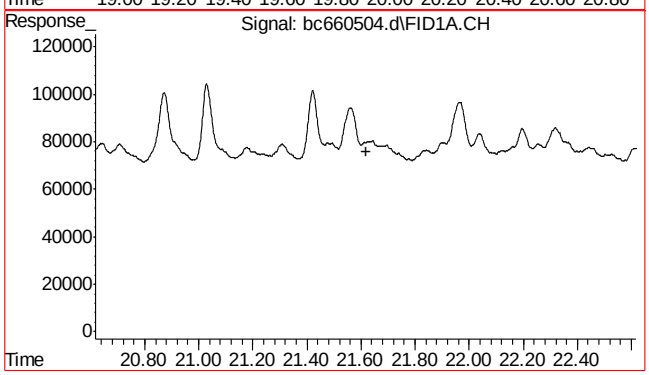
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



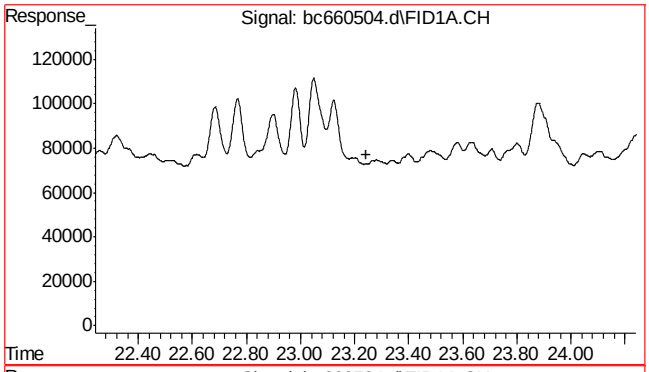
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



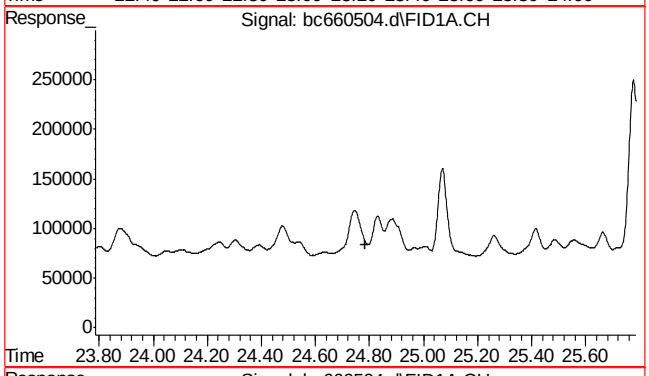
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



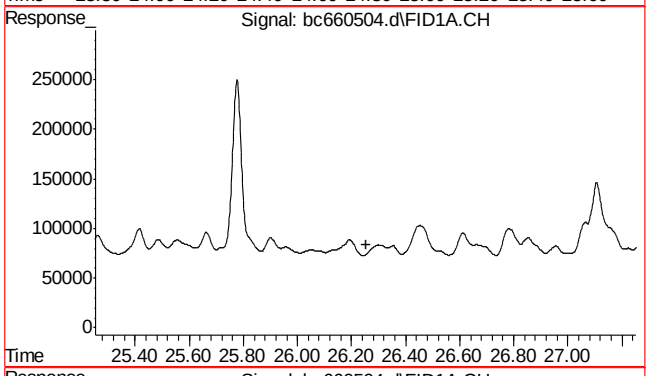
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



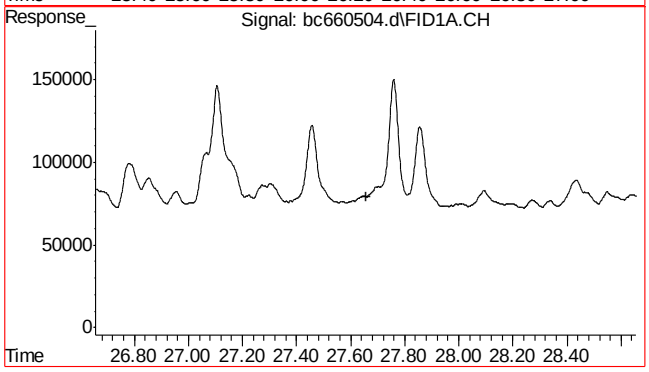
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



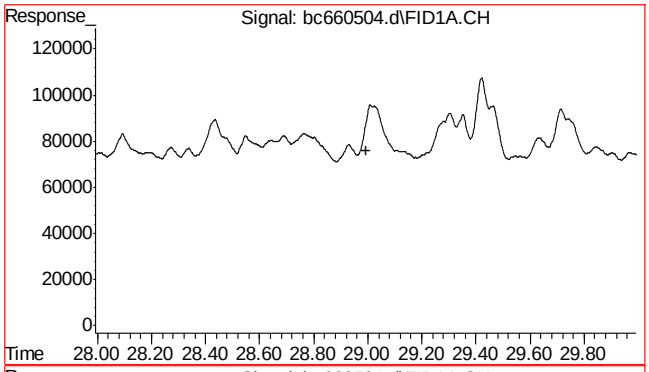
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



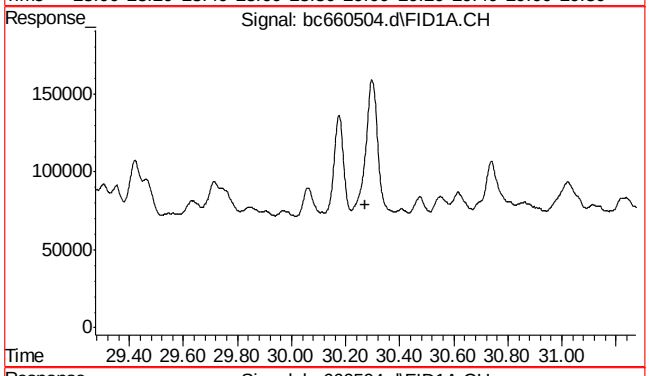
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



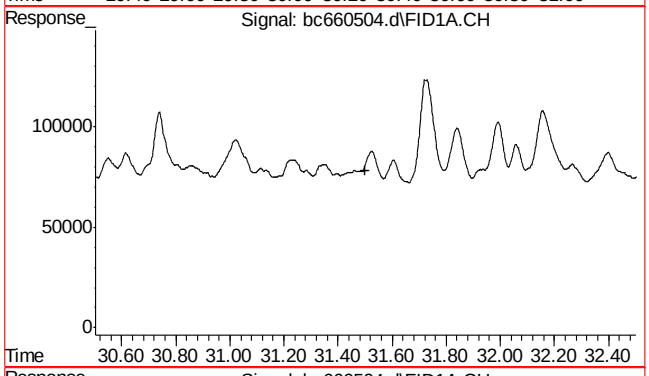
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



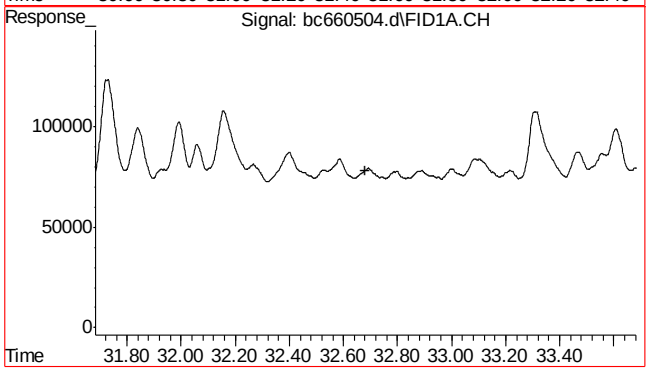
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



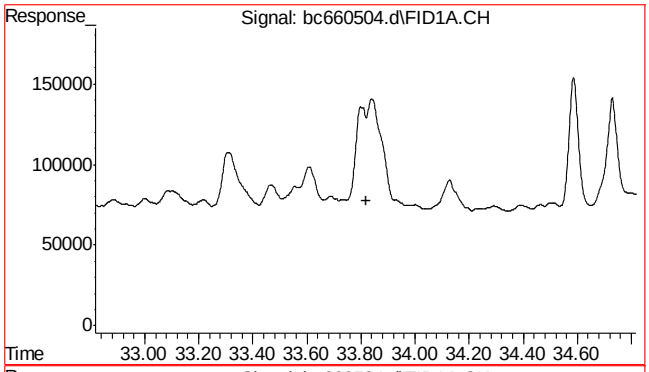
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



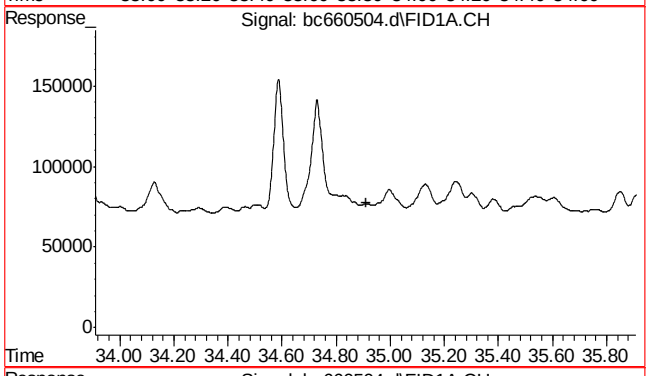
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



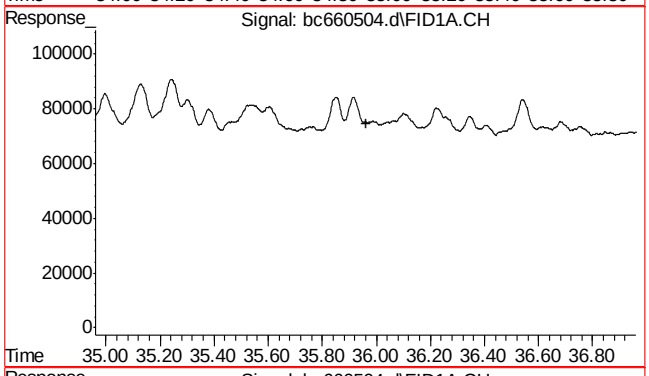
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



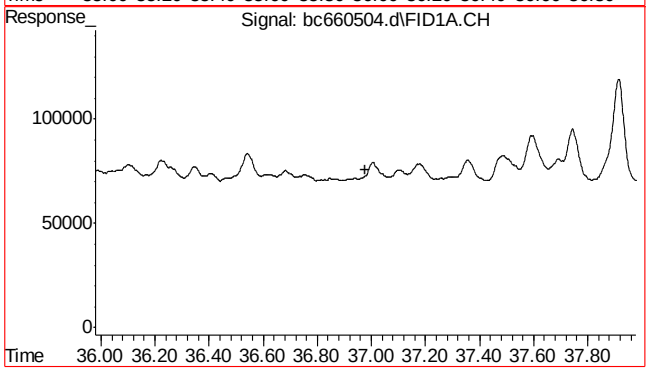
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



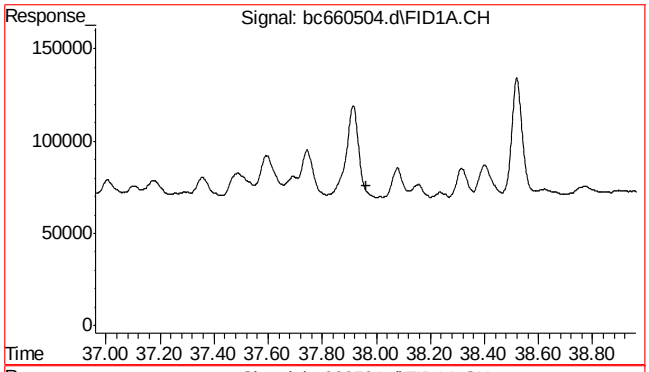
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



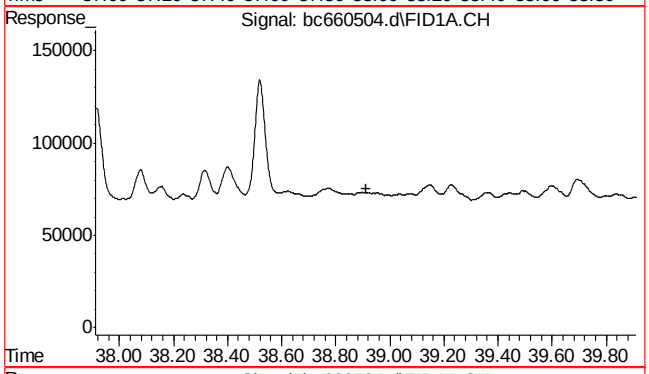
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



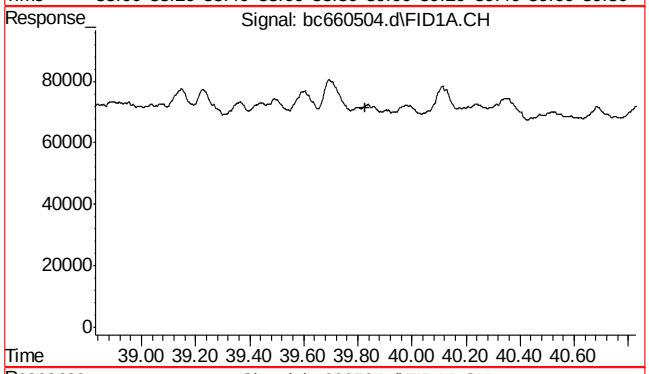
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



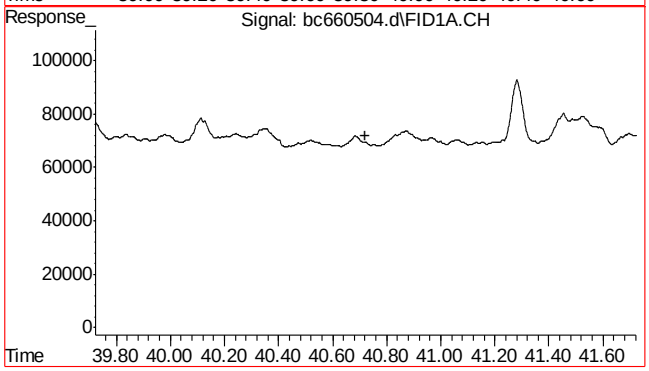
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



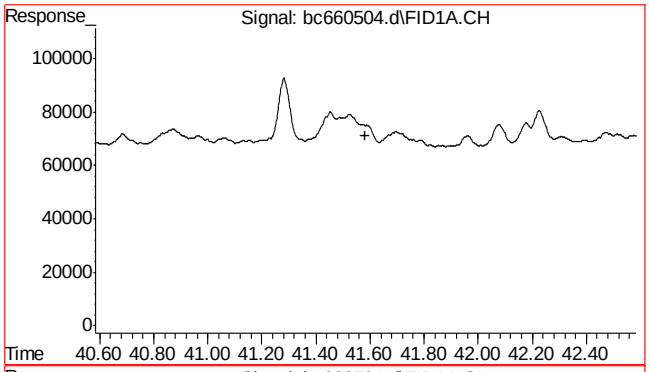
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



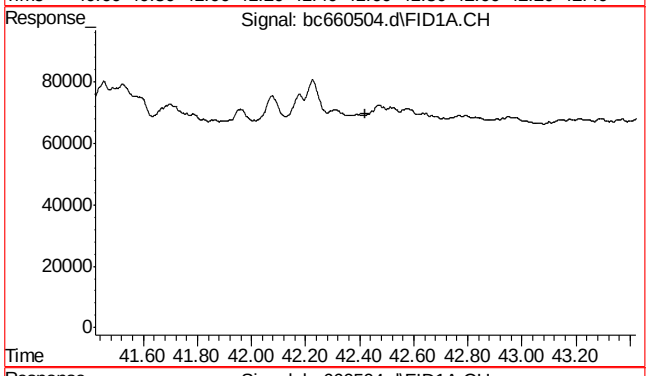
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



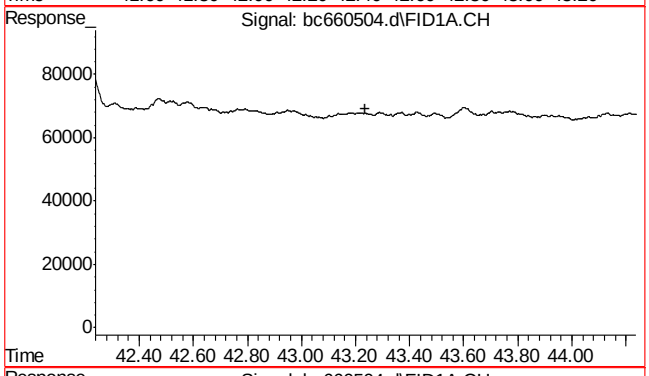
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



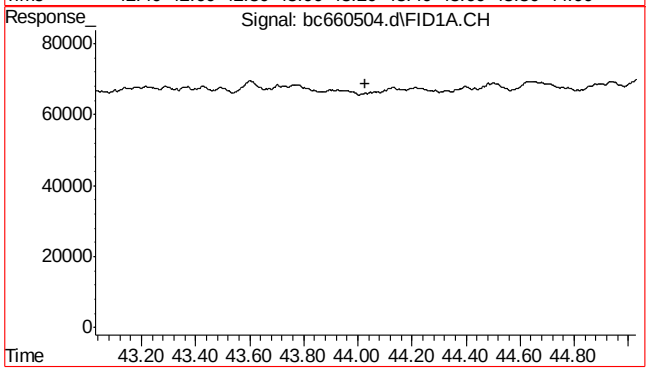
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



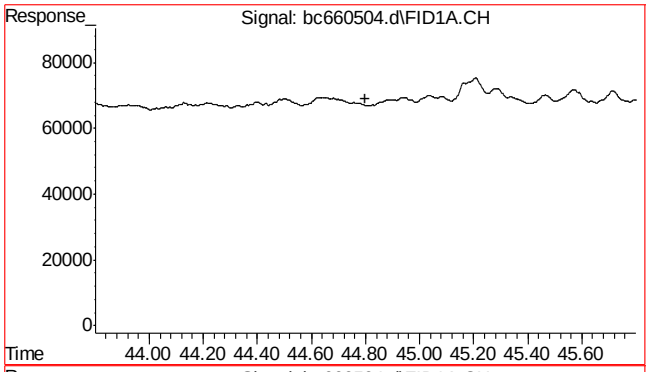
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



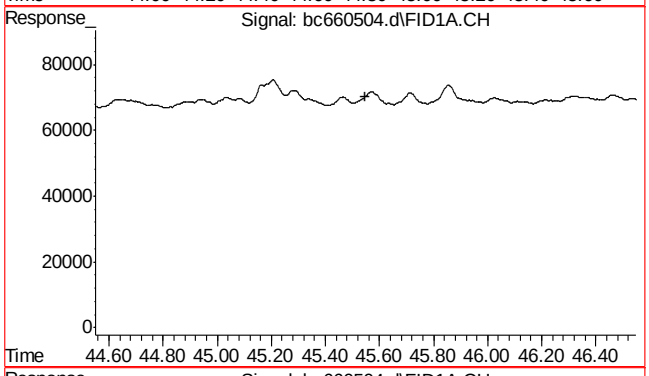
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



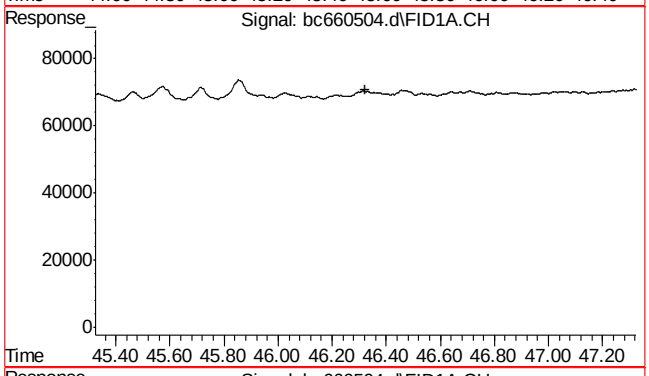
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



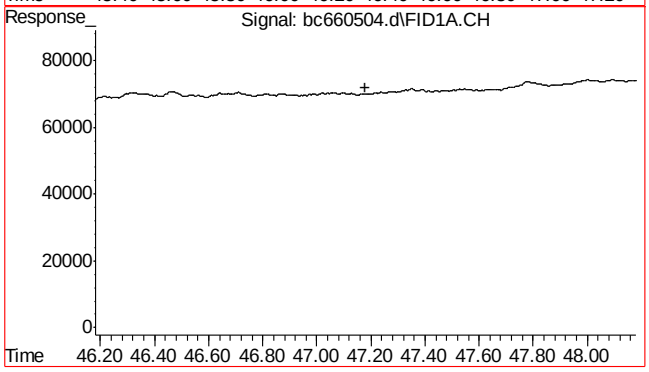
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



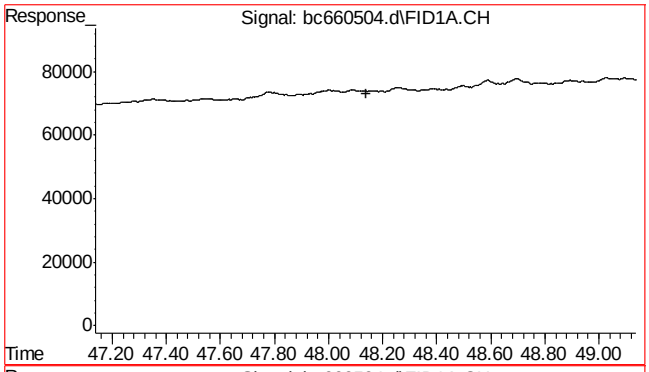
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



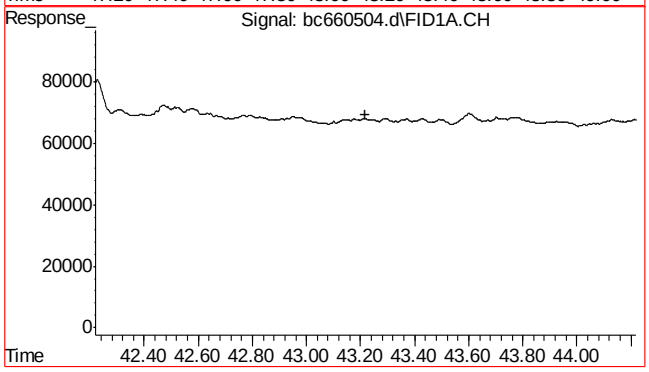
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660500.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 15:41:41
Operator : kimmien
Sample : mc30024-11a,op37816
Misc : op37816,gbc3617,1.66,,,10,,
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:18:33 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

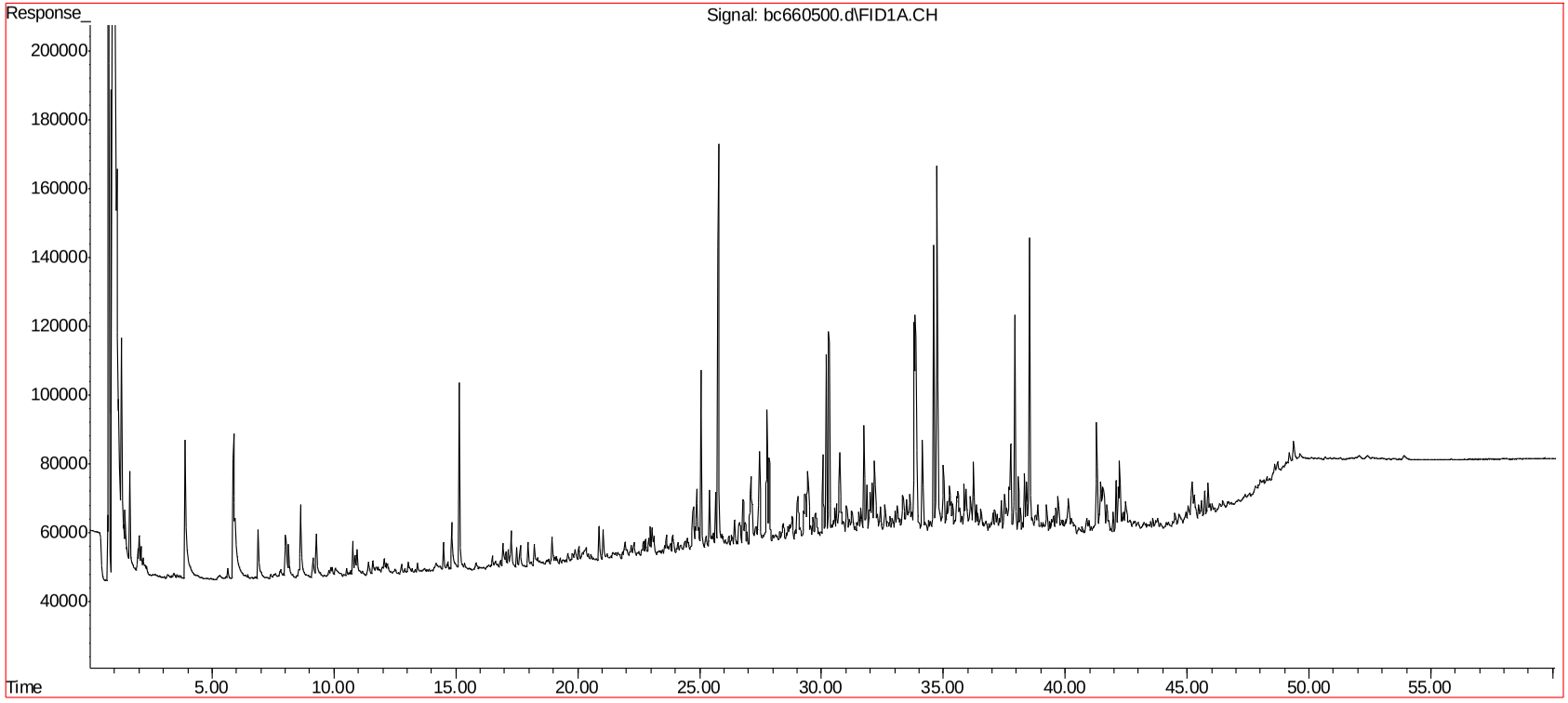
(f)=RT Delta > 1/2 Window (m)=manual int.

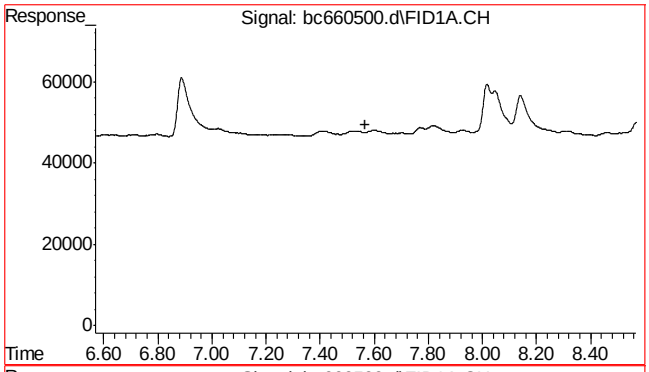
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660500.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 15:41:41
Operator : kimmien
Sample : mc30024-11a,op37816
Misc : op37816,gbc3617,1.66,,,10,,
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:18:33 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

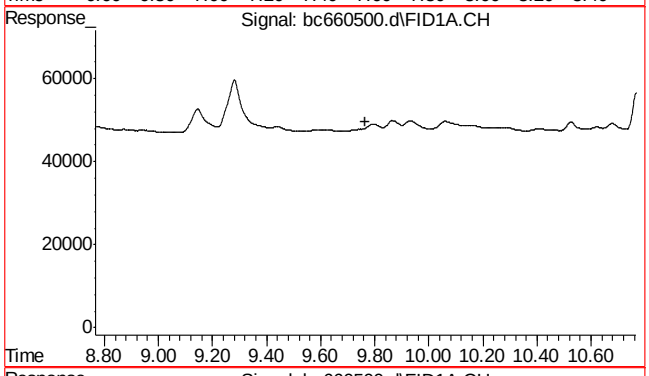
Volume Inj. :
Signal Phase :
Signal Info :





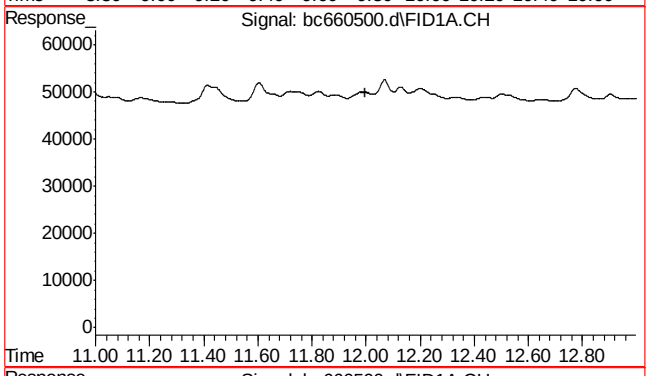
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



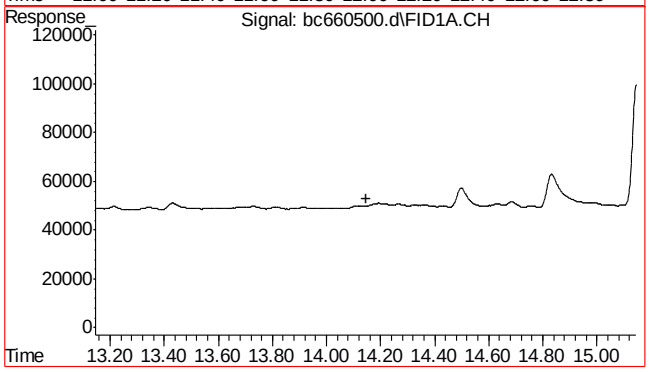
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



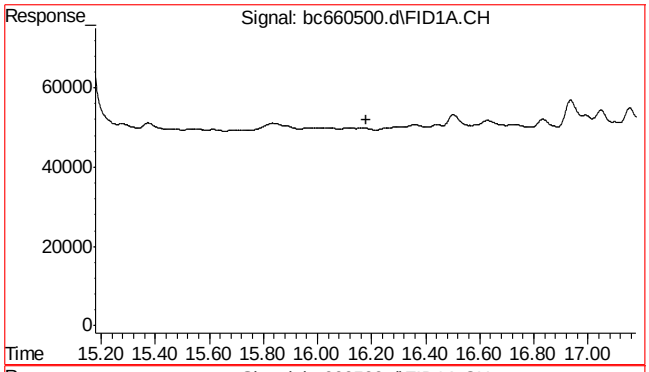
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



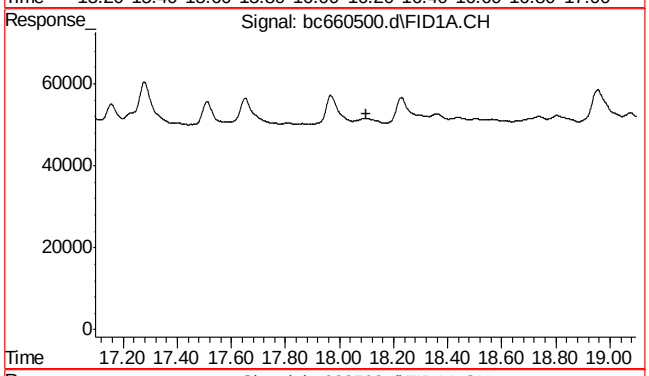
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



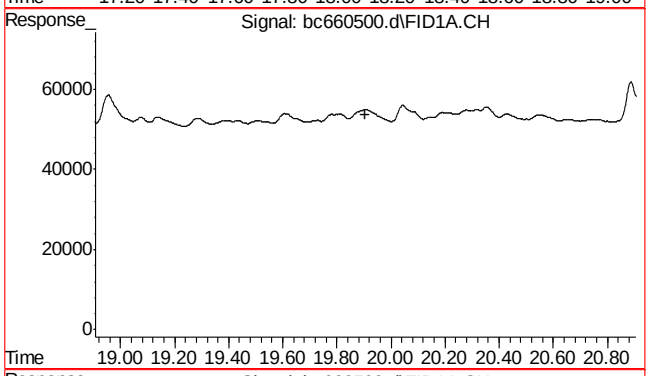
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



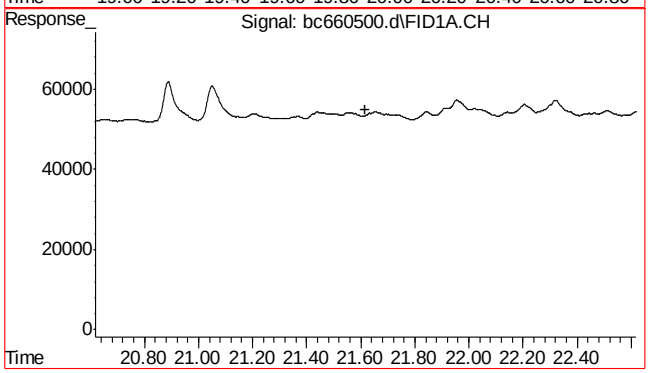
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



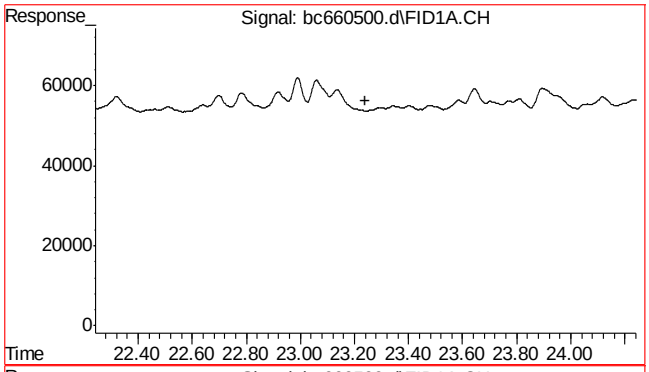
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



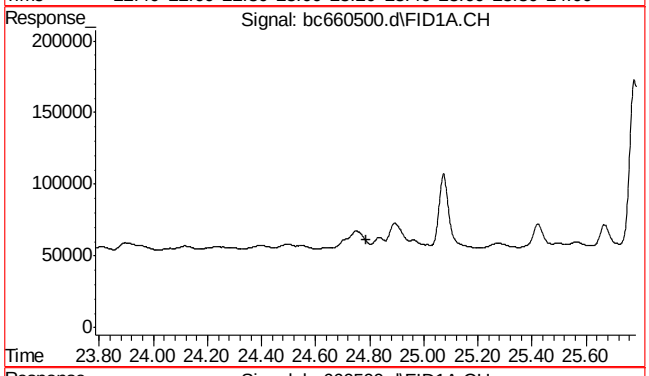
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



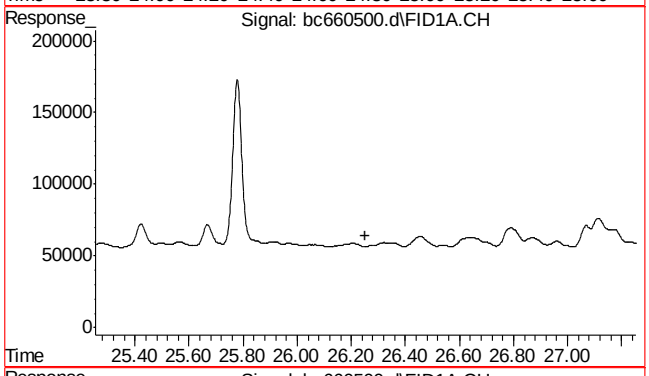
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



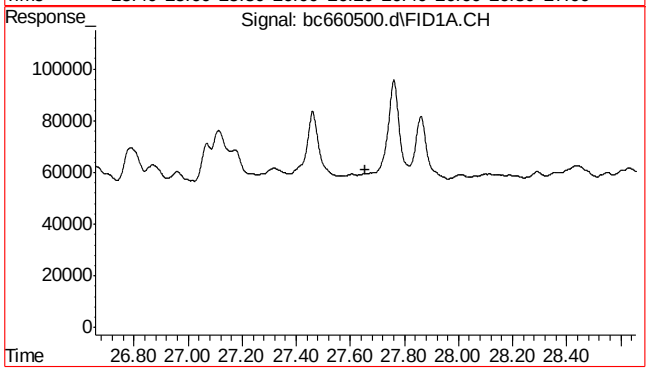
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



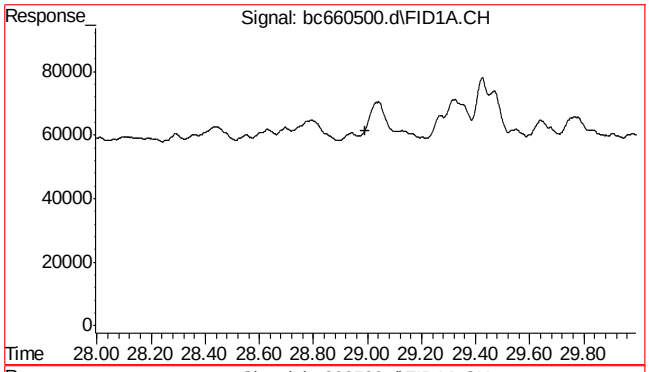
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



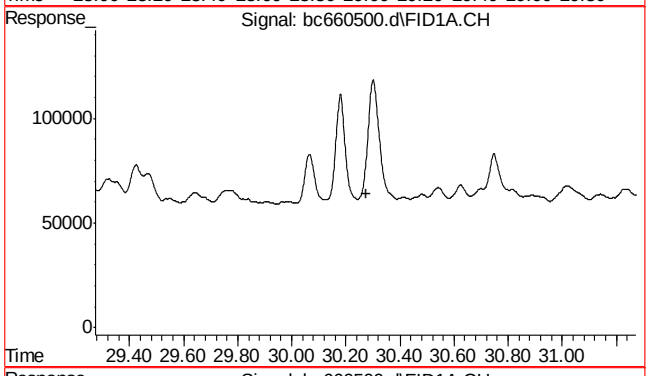
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



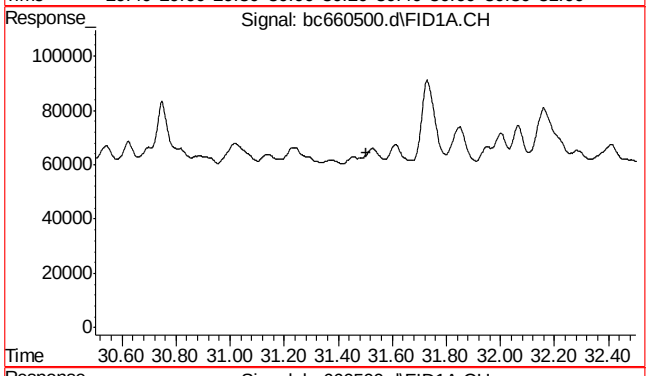
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



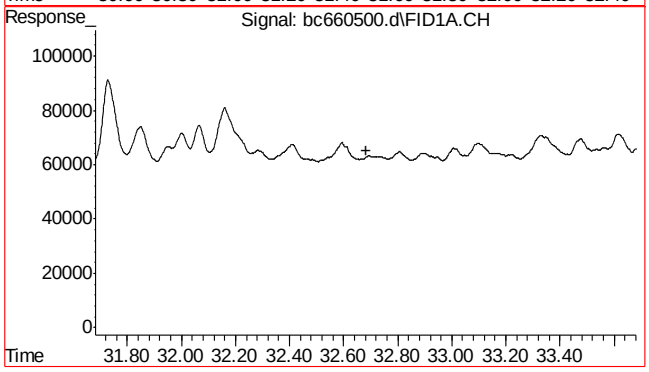
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



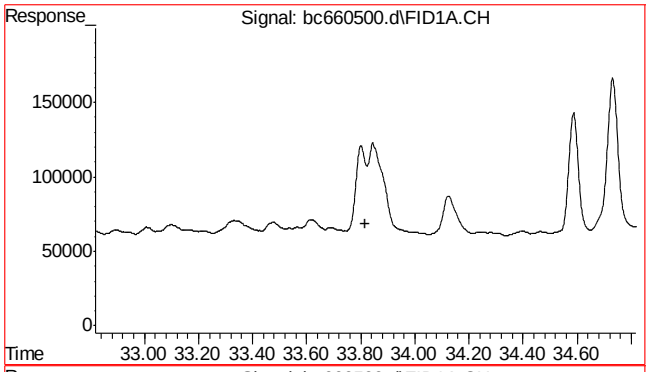
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



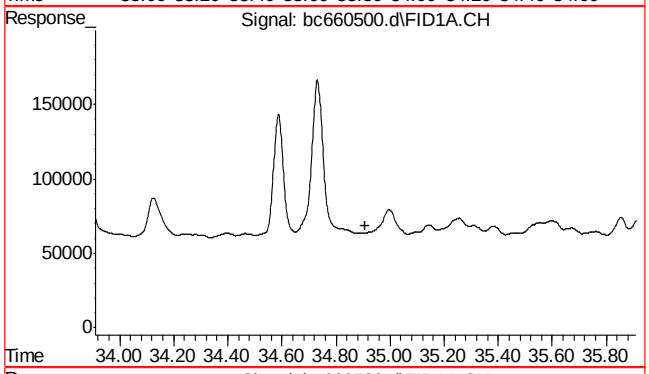
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



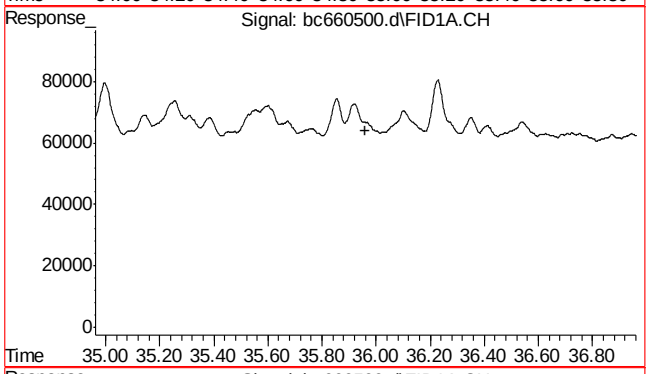
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



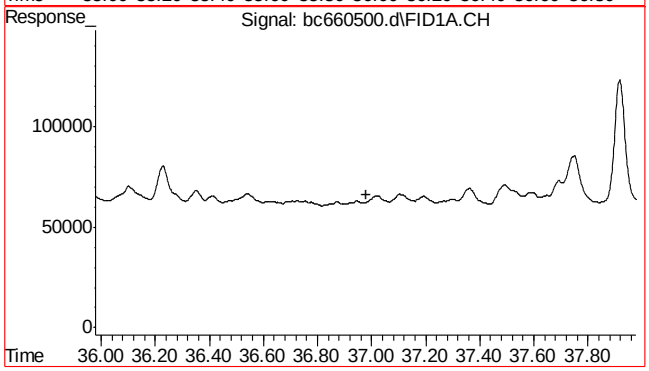
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



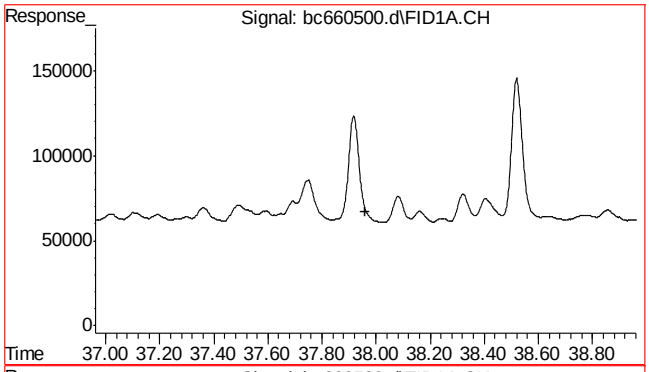
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



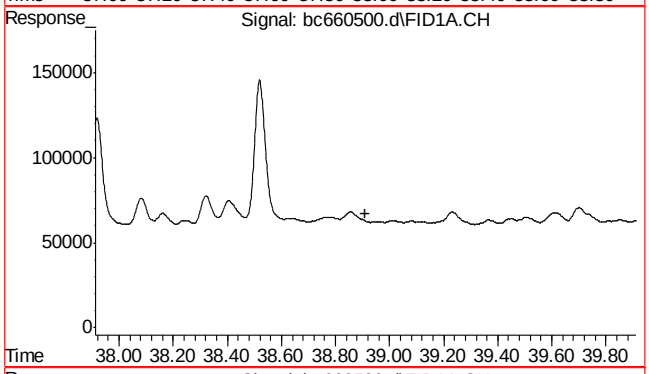
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



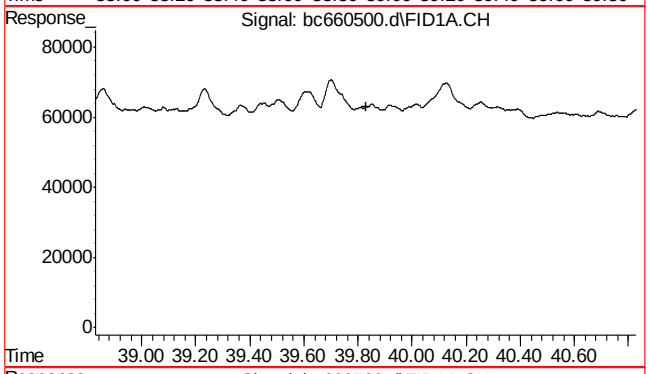
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



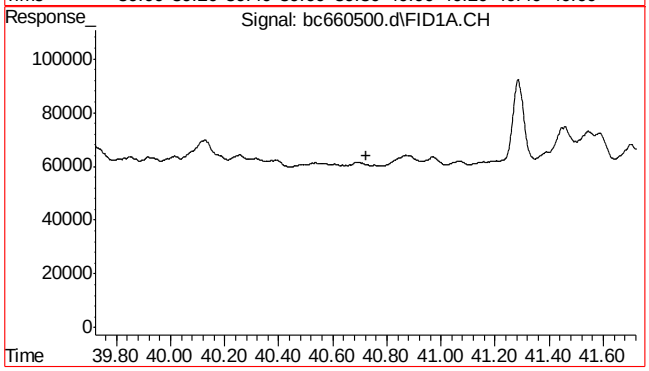
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



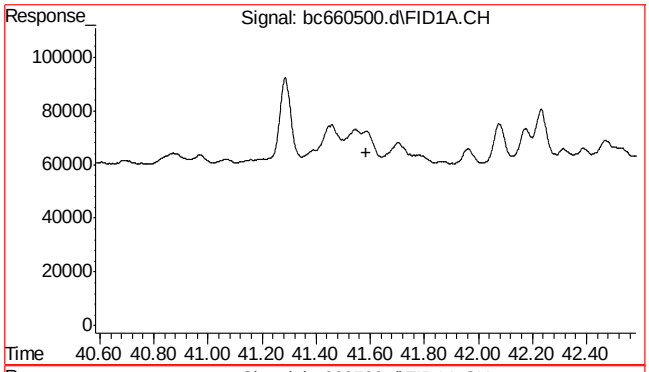
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



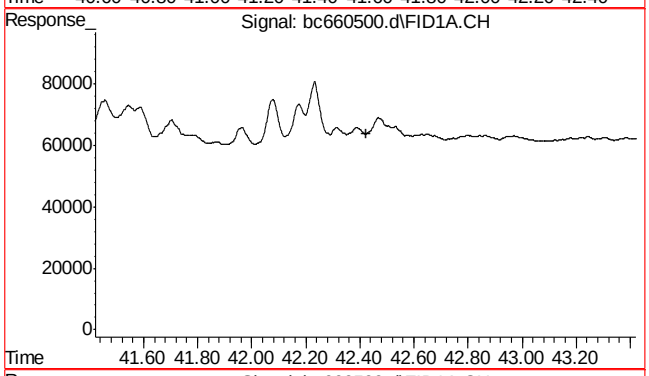
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



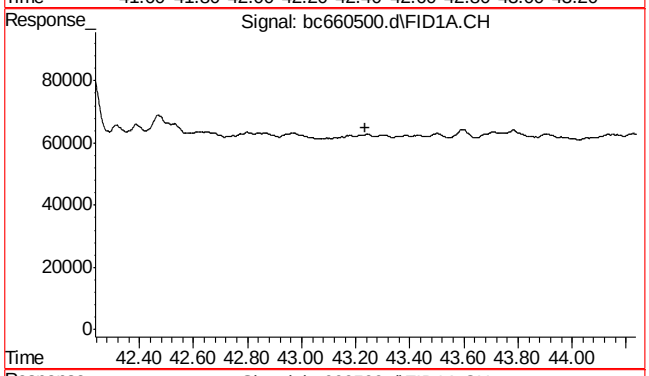
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



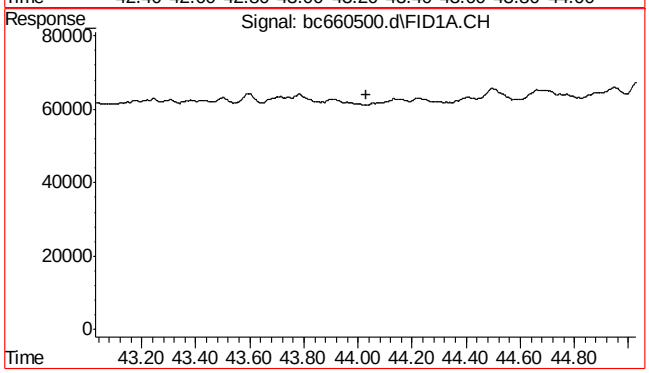
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



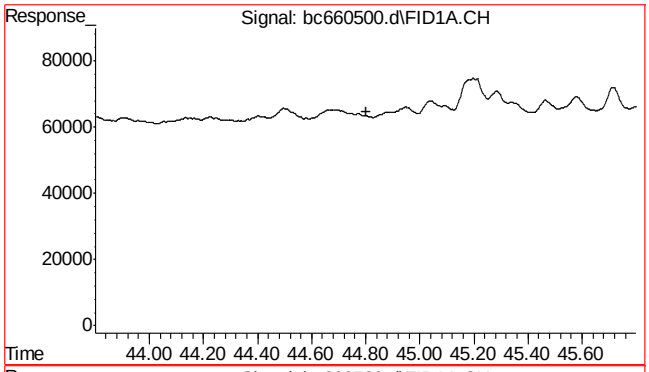
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



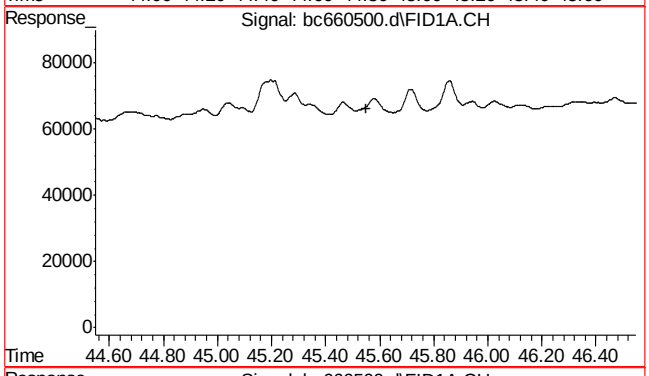
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



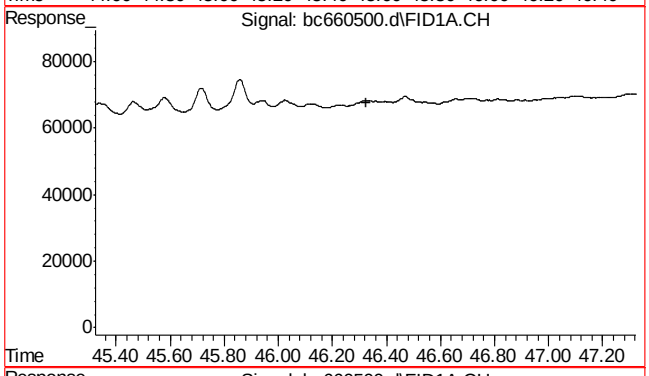
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



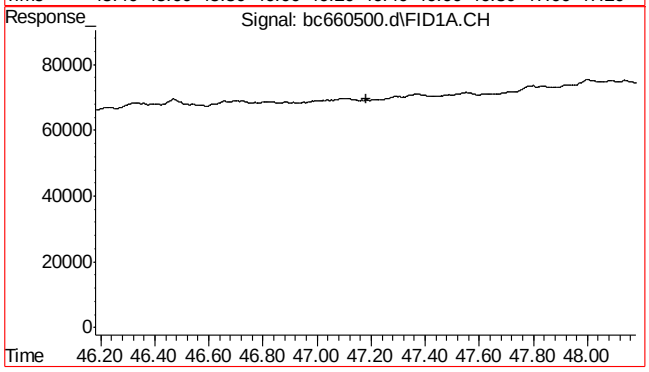
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



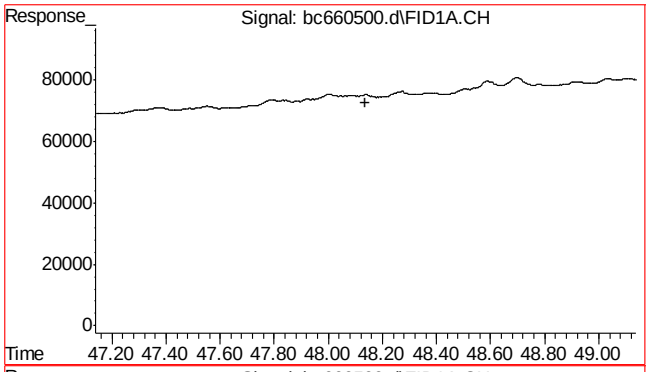
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



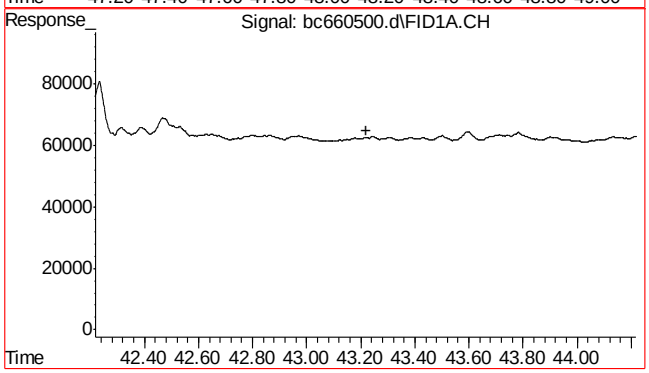
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660456.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 12:29:49
Operator : kimmien
Sample : mc30024-12a,op37816
Misc : op37816,gbc3617,1.13,,,10,,
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:09:48 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

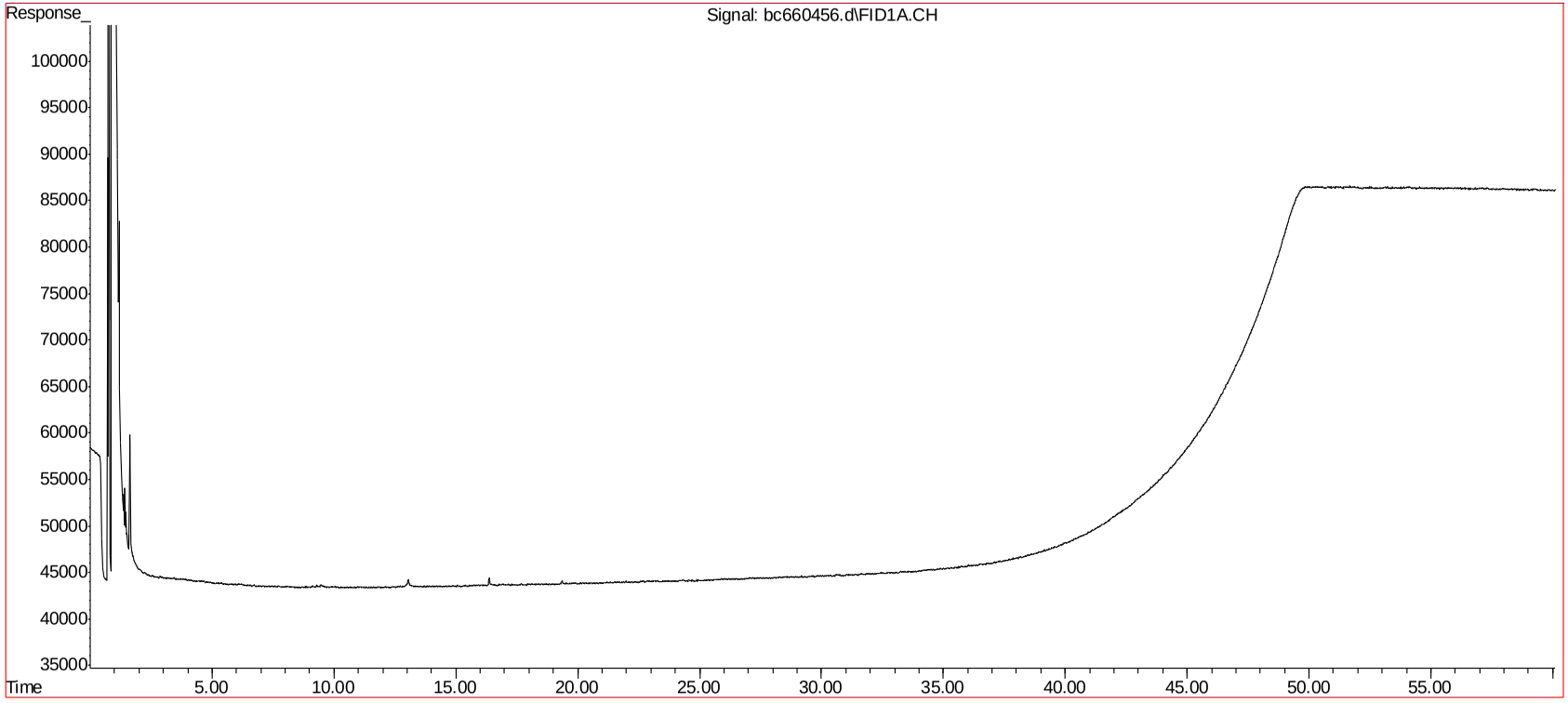
(f)=RT Delta > 1/2 Window (m)=manual int.

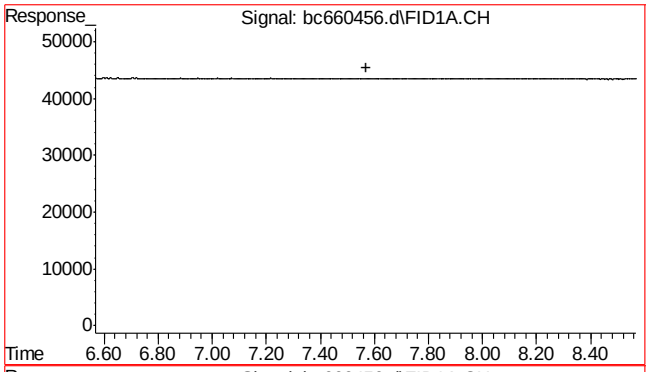
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660456.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 12:29:49
Operator : kimmien
Sample : mc30024-12a,op37816
Misc : op37816,gbc3617,1.13,,,10,,
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:09:48 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

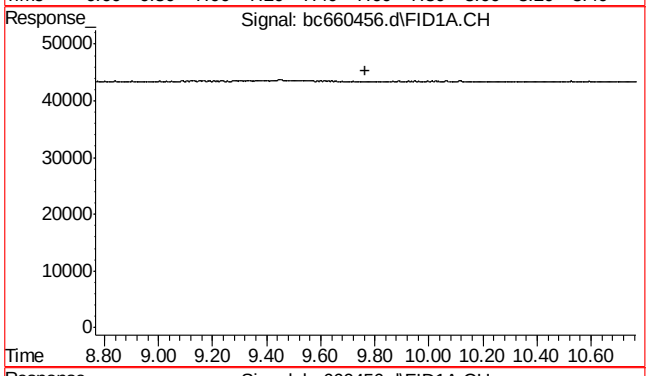
Volume Inj. :
Signal Phase :
Signal Info :





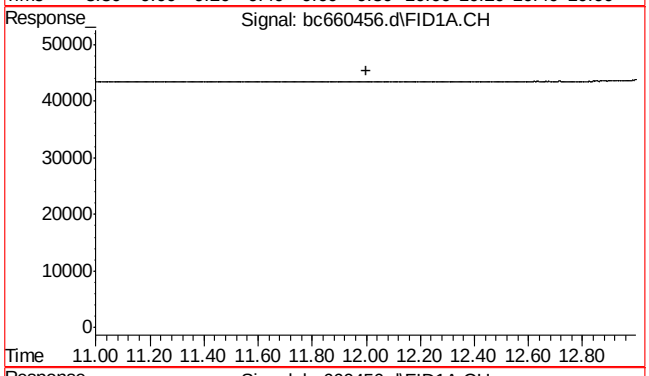
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



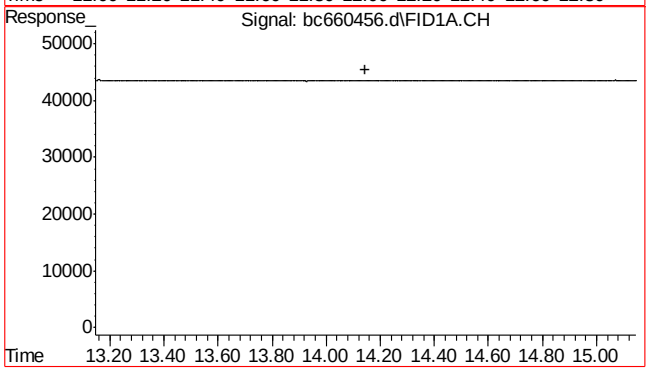
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



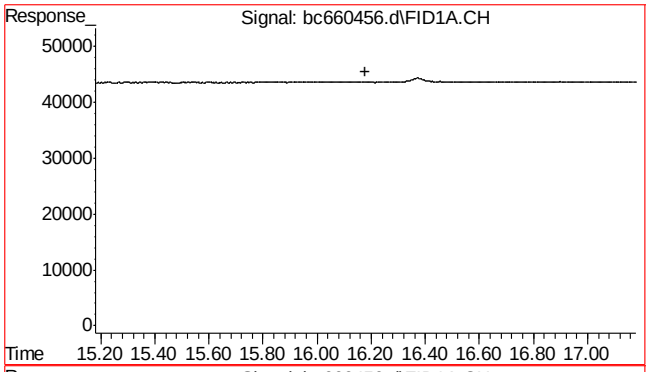
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



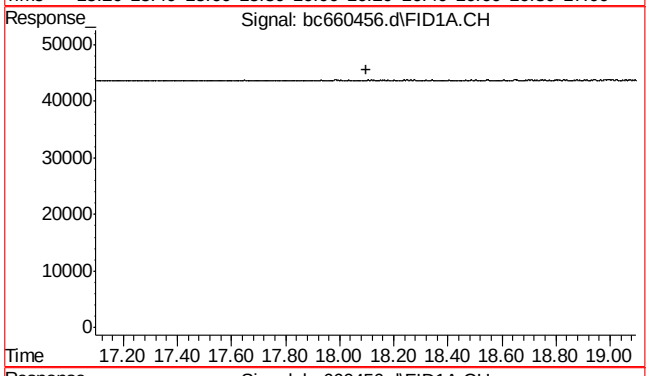
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



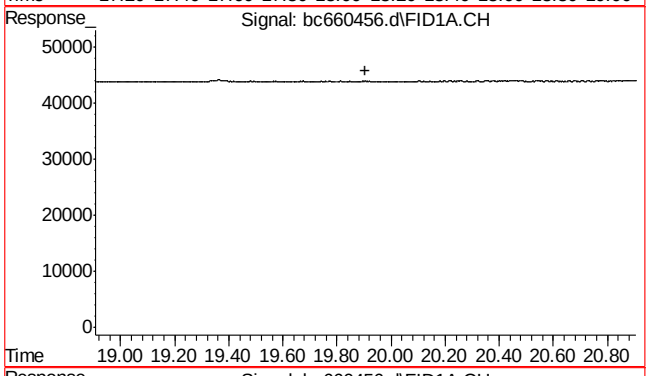
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



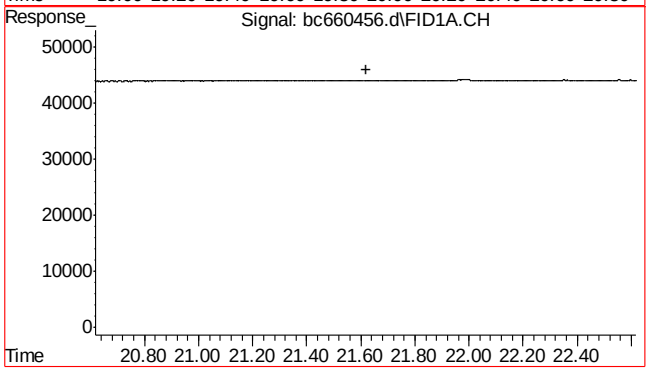
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



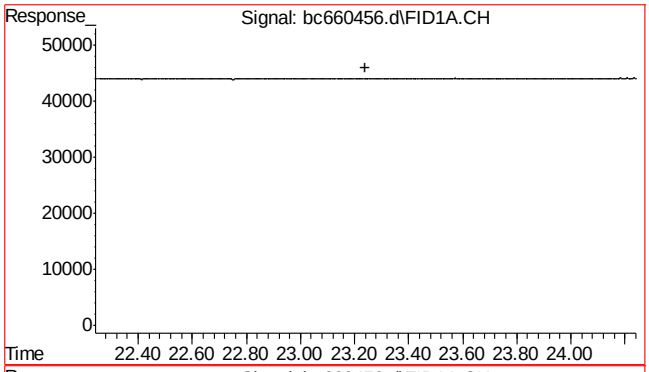
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



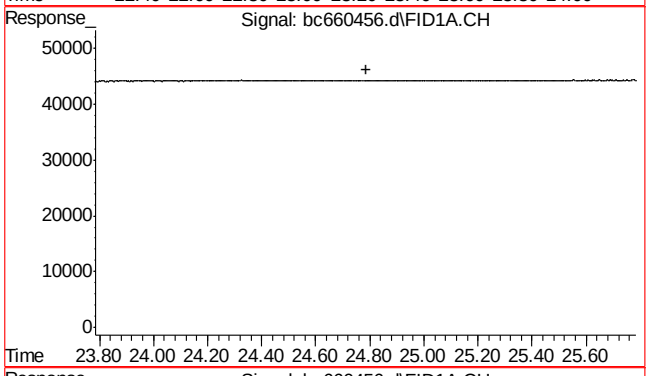
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



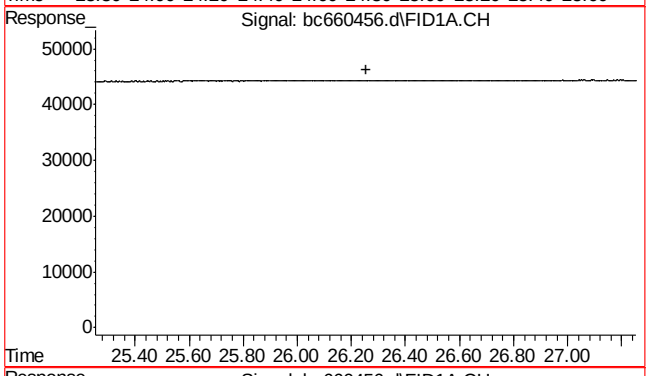
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



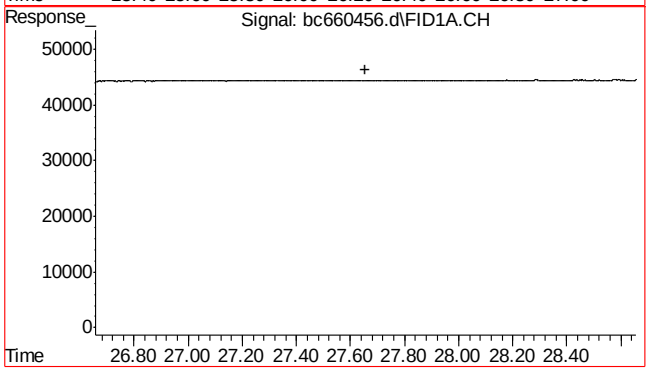
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



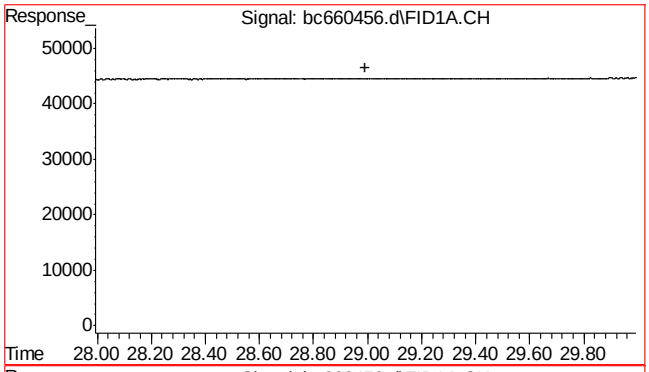
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



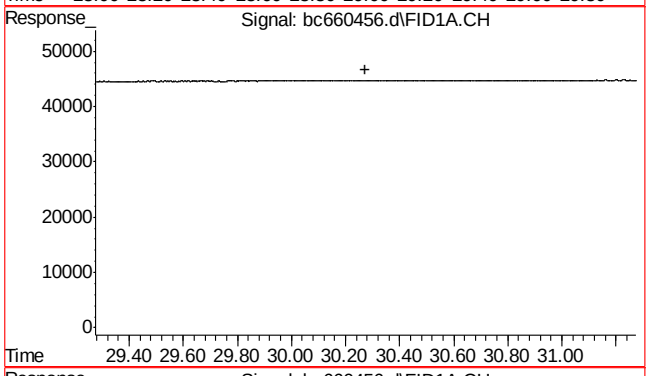
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



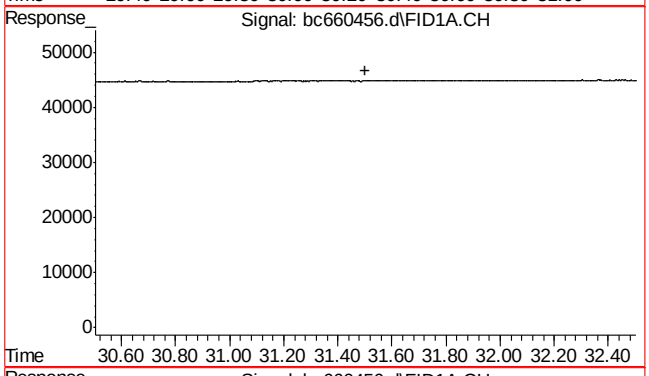
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



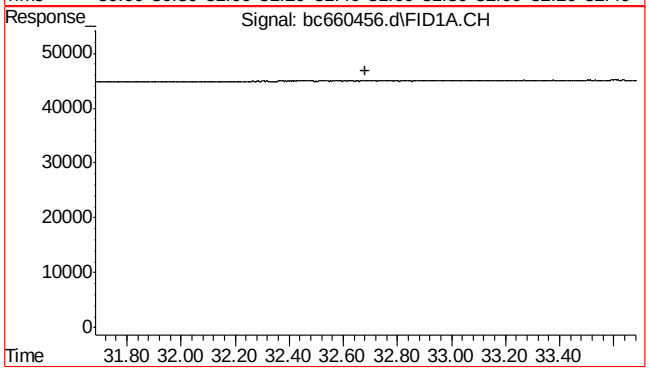
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



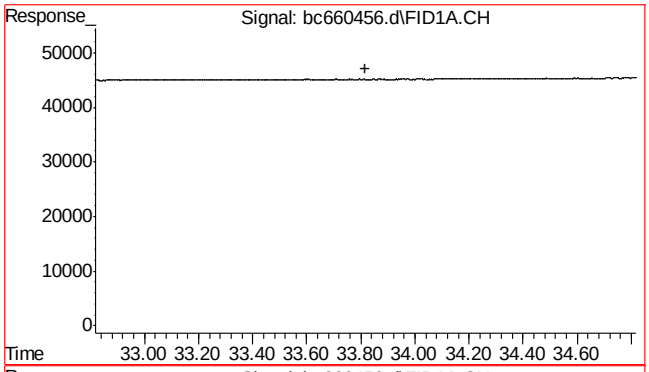
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



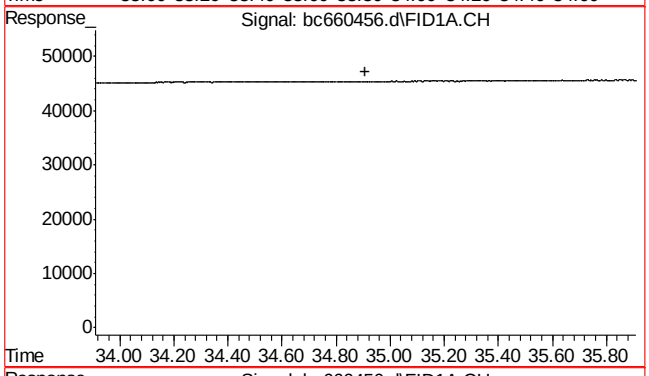
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



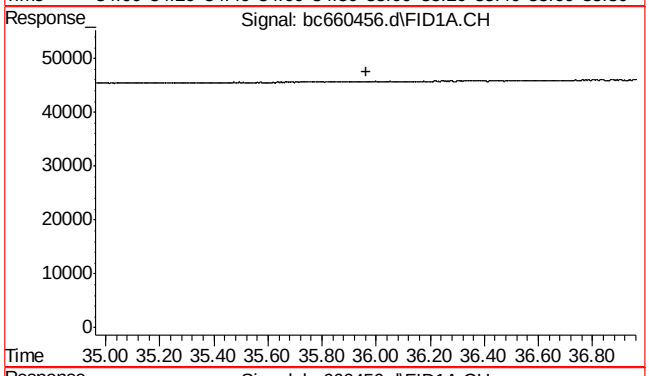
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



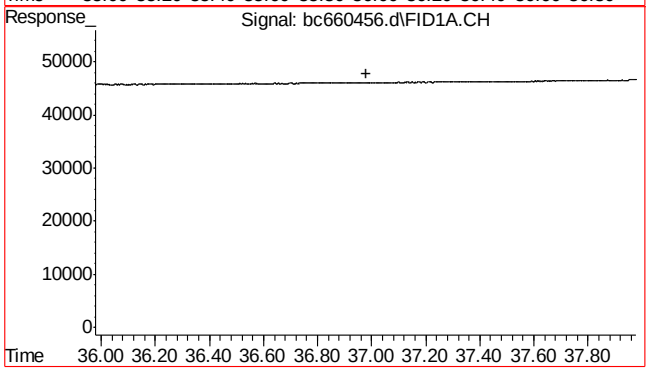
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



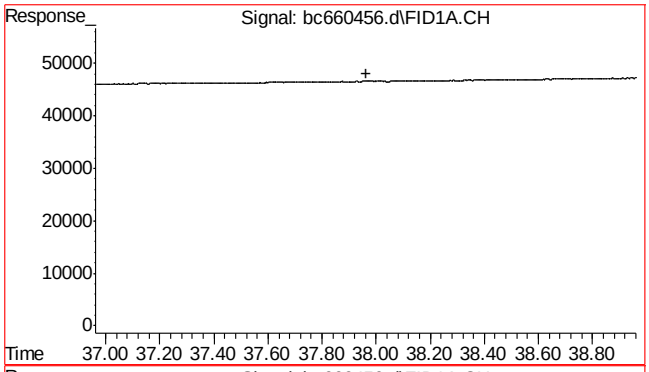
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



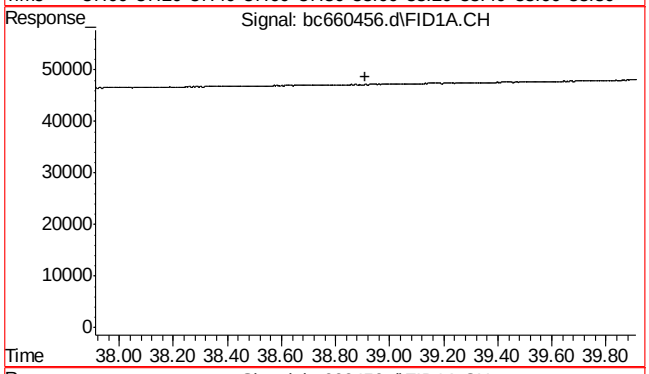
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



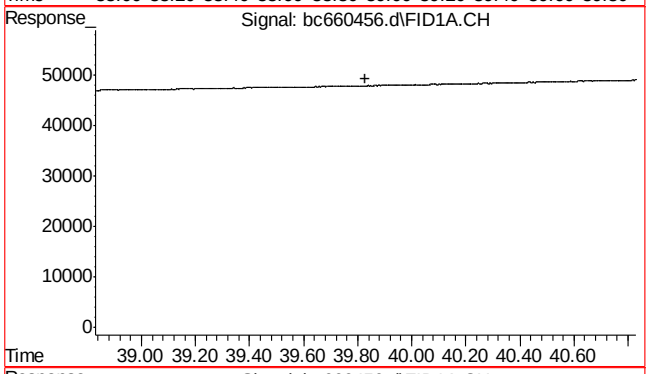
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



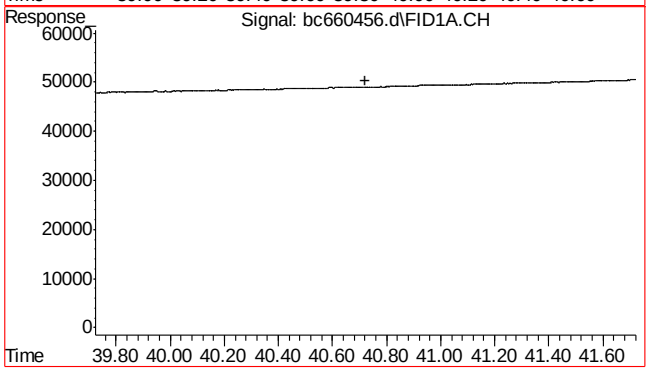
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



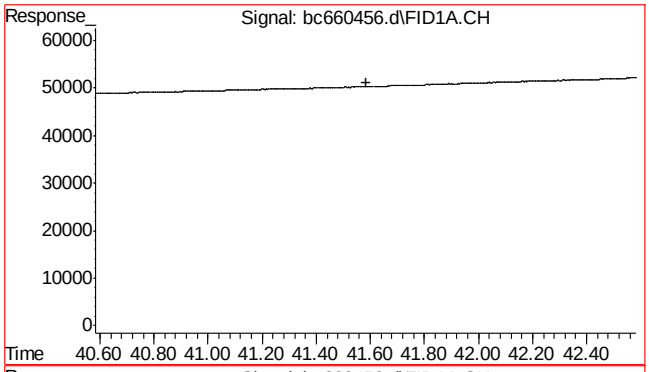
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



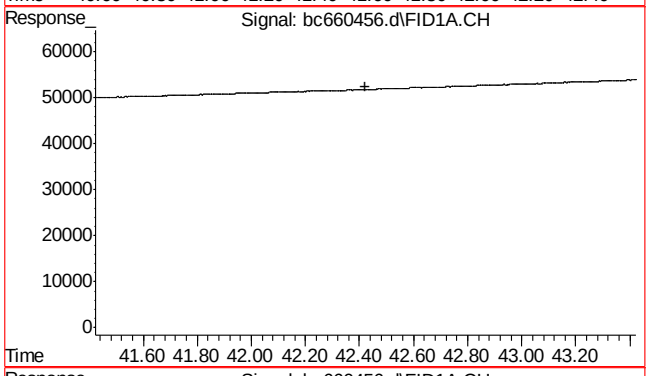
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



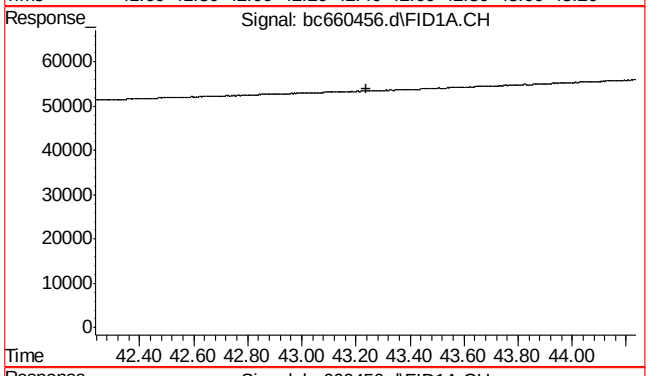
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



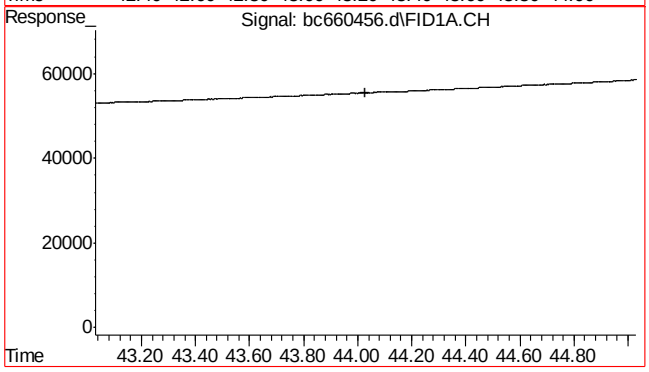
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



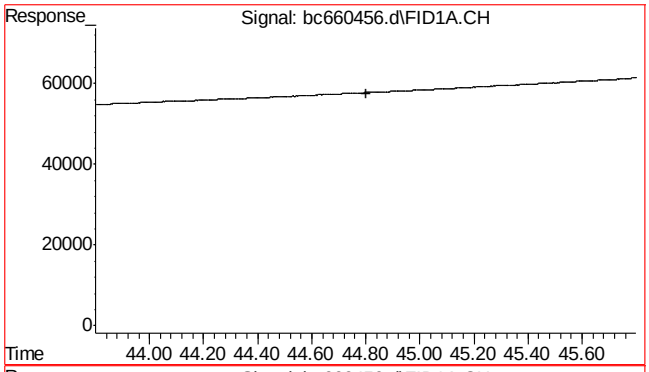
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



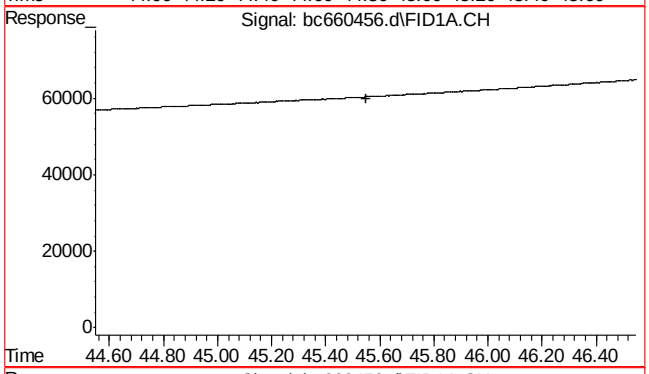
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



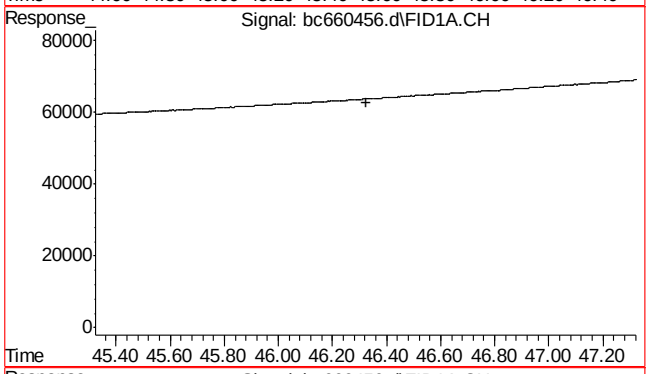
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



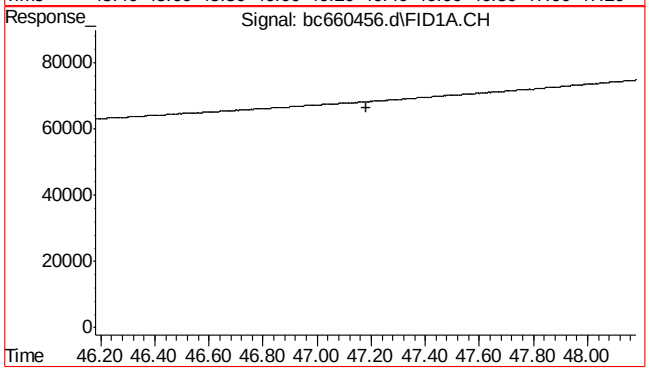
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



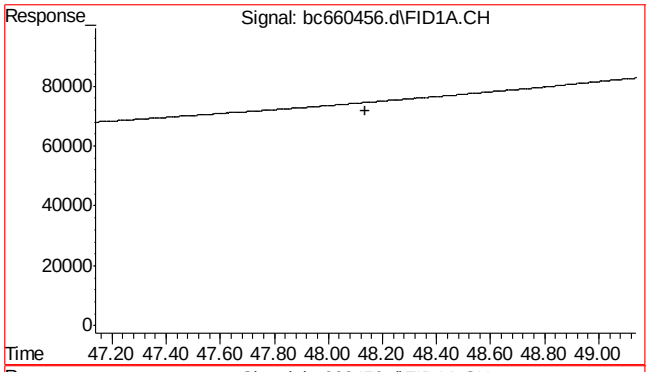
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



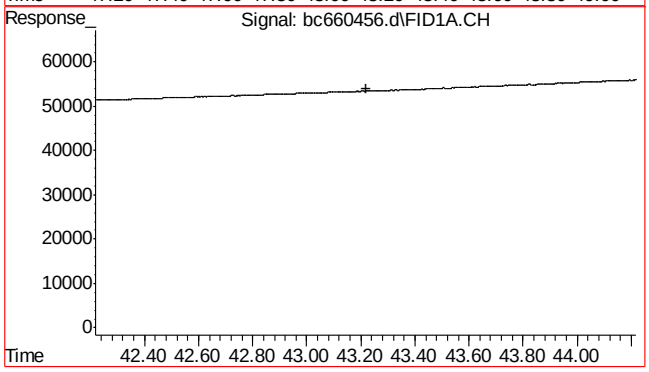
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660516.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 01:18:58
Operator : kimmien
Sample : mc30024-13a,op37816
Misc : op37816,gbc3617,1.71,,,10,,
ALS Vial : 32 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:21:19 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

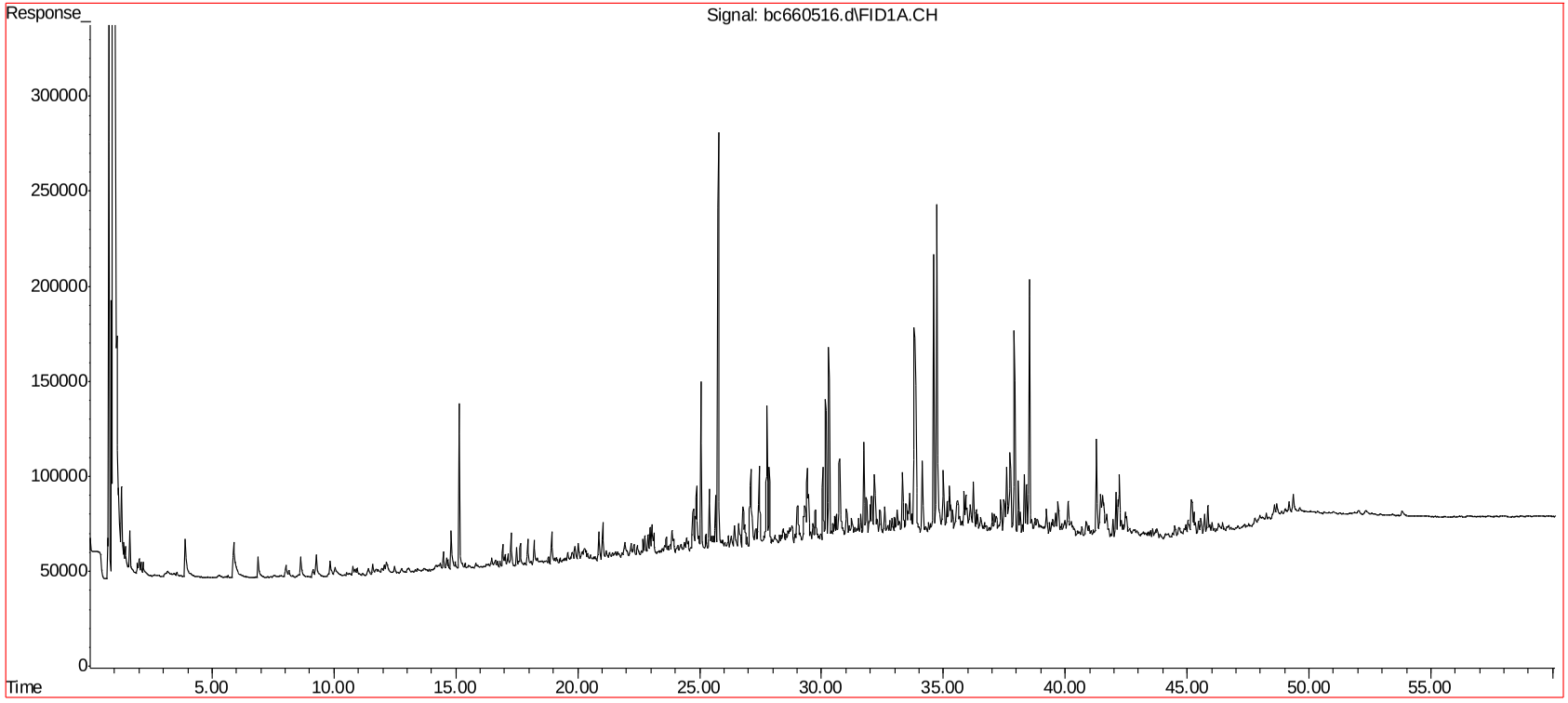
(f)=RT Delta > 1/2 Window (m)=manual int.

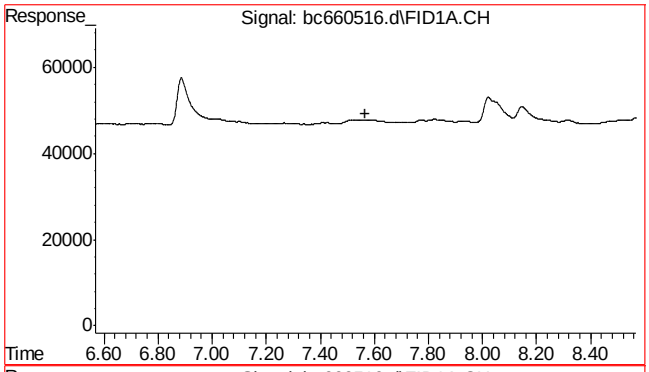
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660516.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 01:18:58
Operator : kimmien
Sample : mc30024-13a,op37816
Misc : op37816,gbc3617,1.71,,,10,,
ALS Vial : 32 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:21:19 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

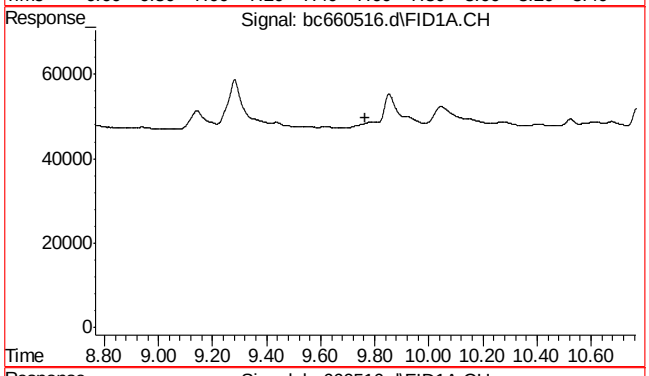
Volume Inj. :
Signal Phase :
Signal Info :





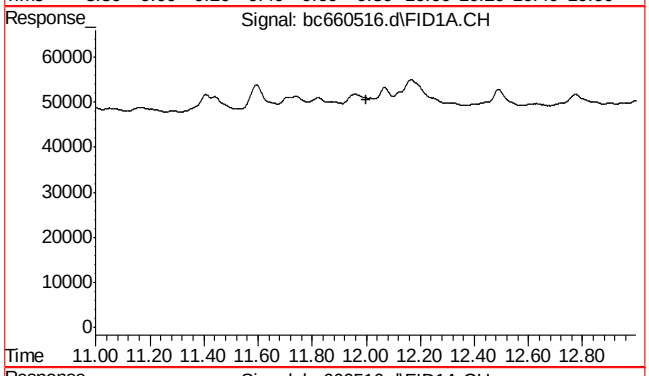
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



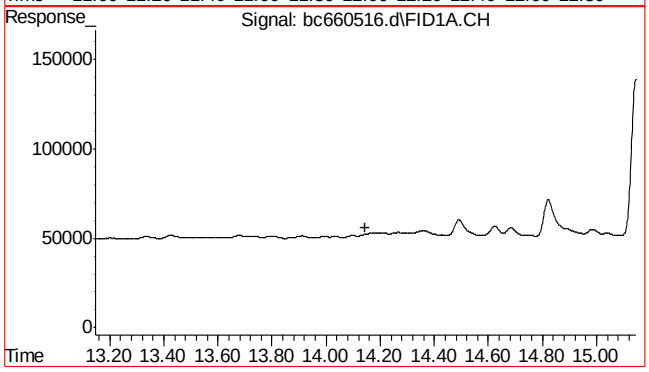
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



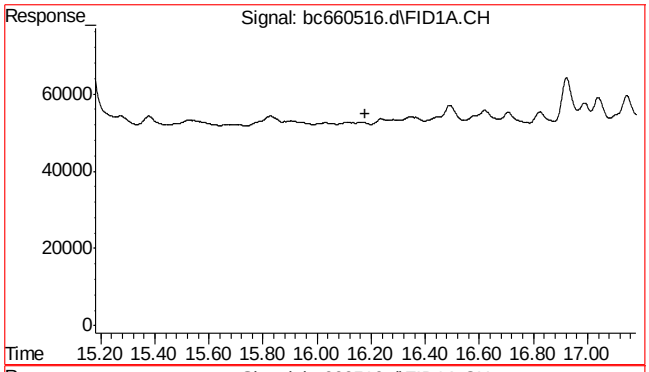
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



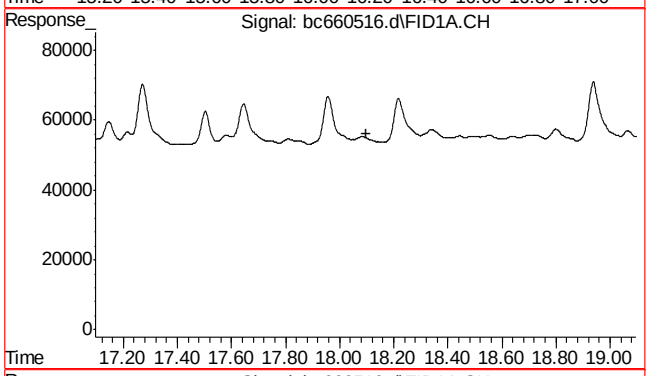
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



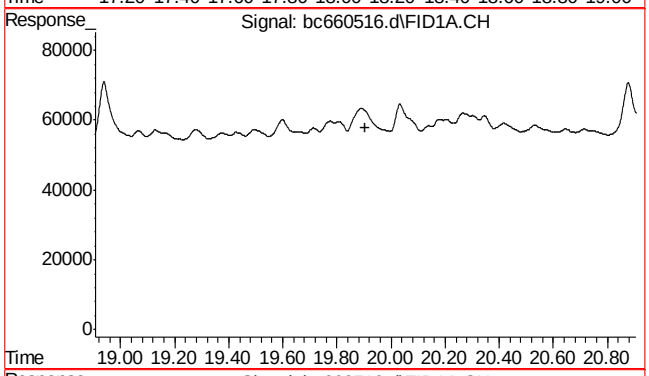
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



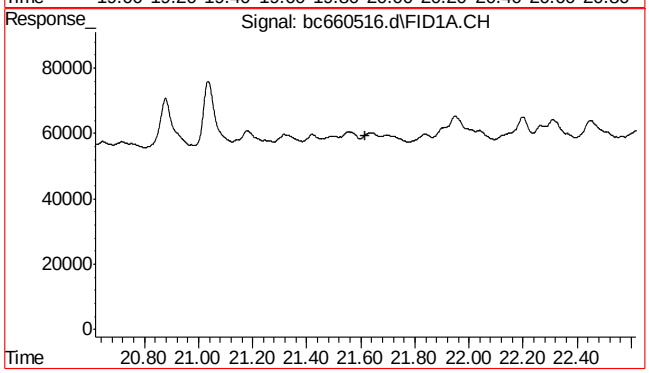
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



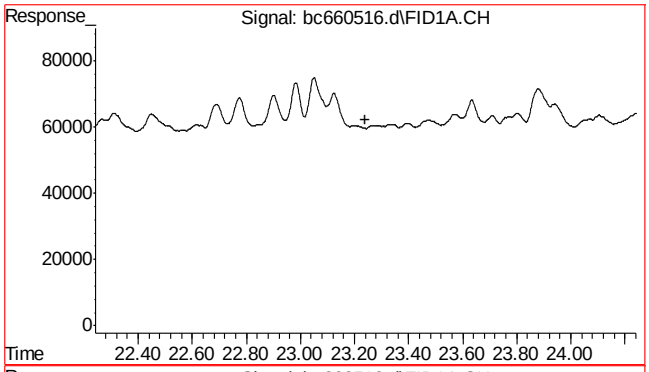
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



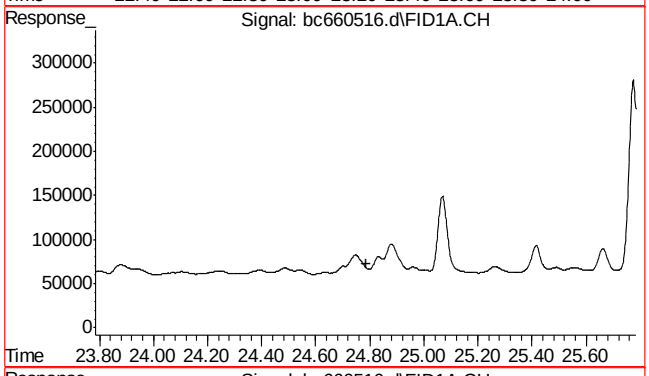
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



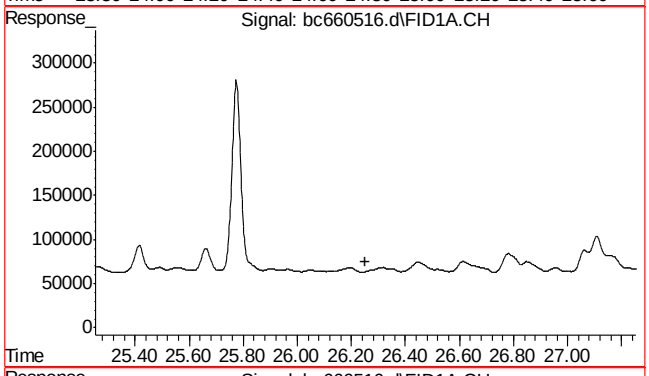
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



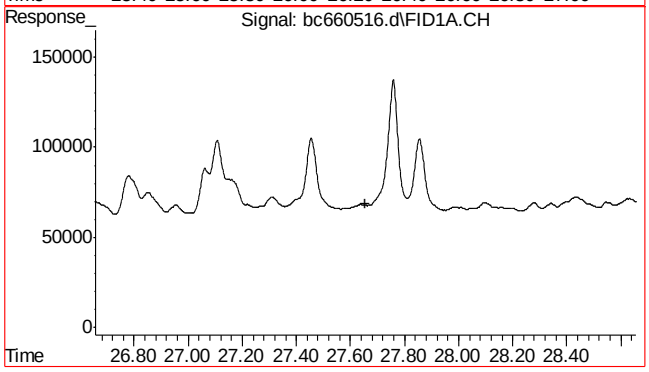
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



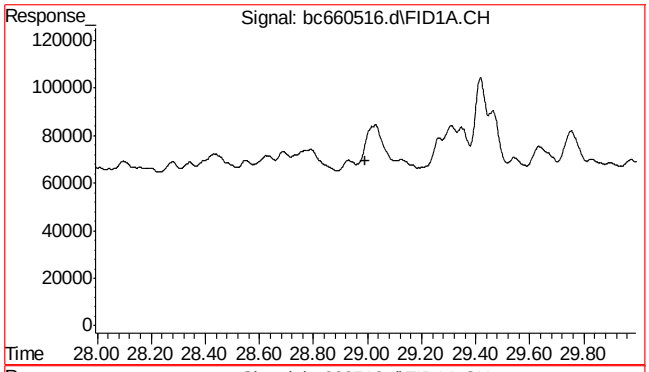
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



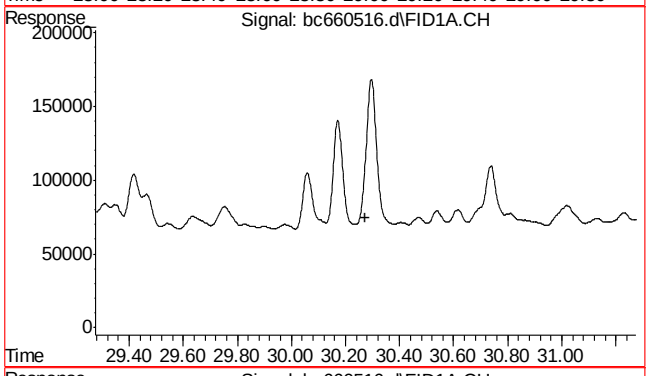
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



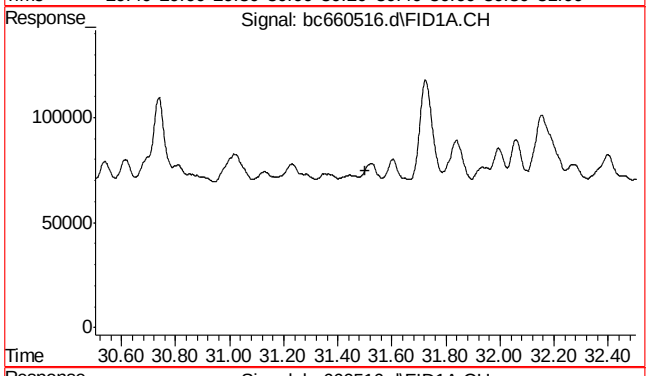
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



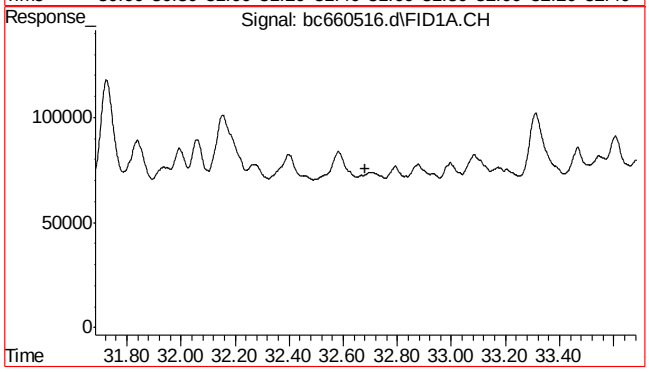
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



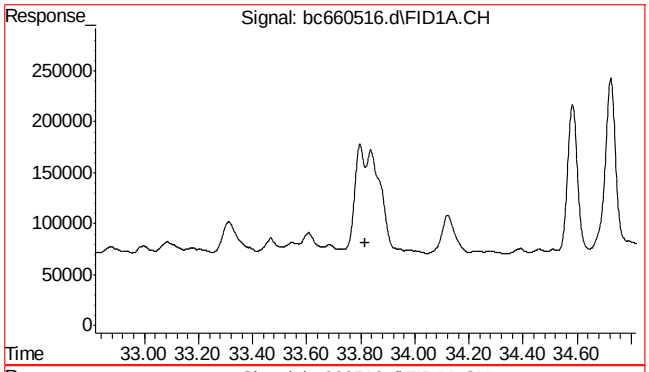
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



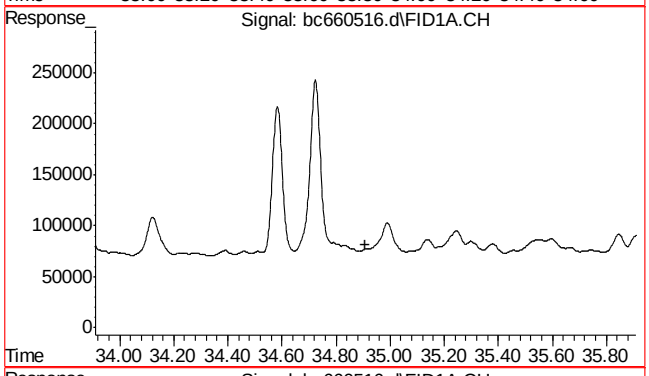
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



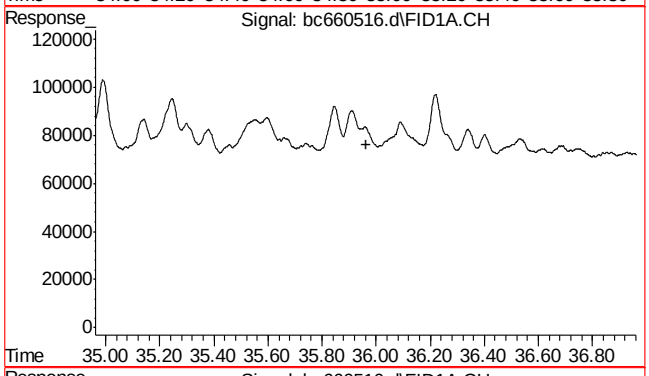
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



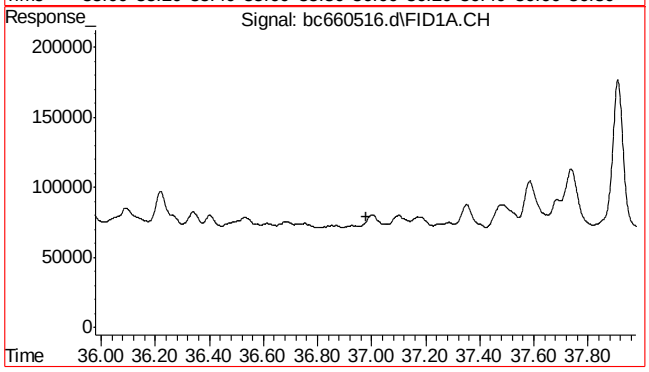
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



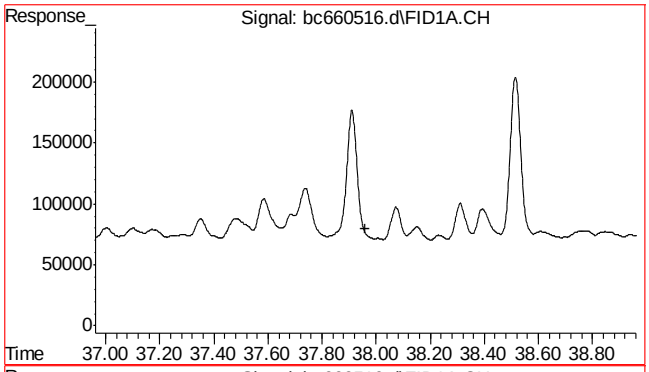
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



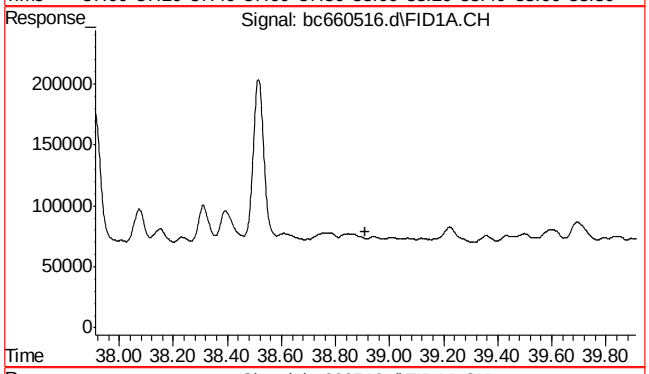
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



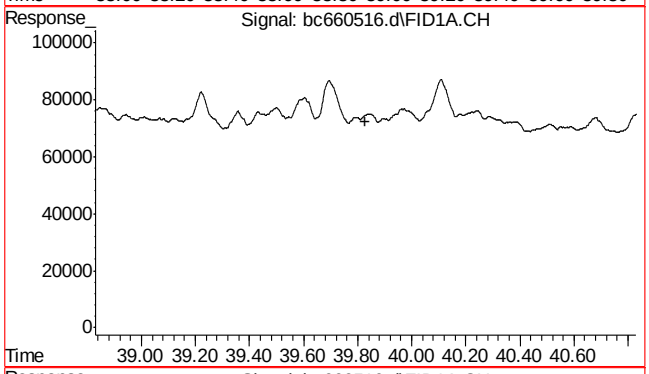
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



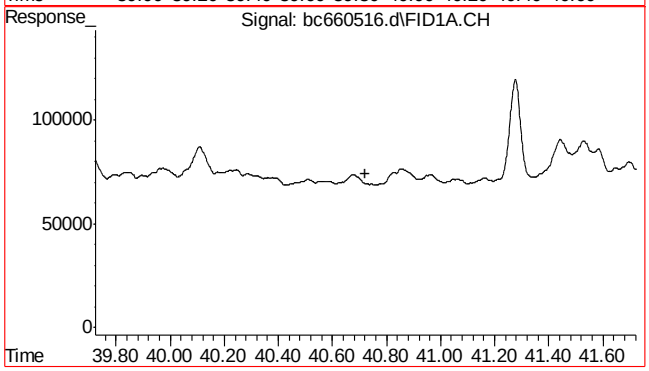
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



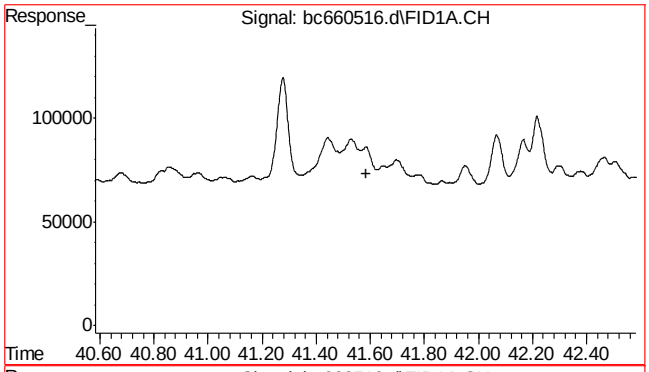
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



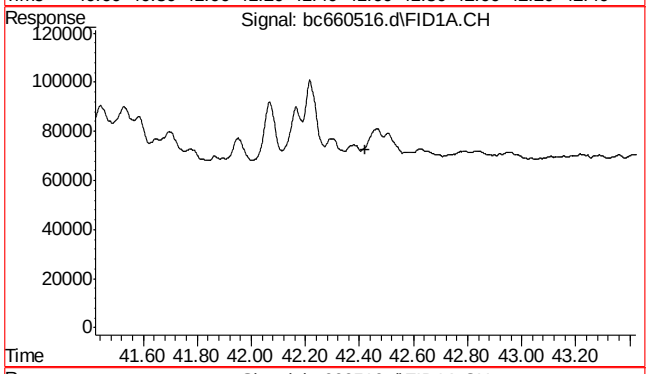
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



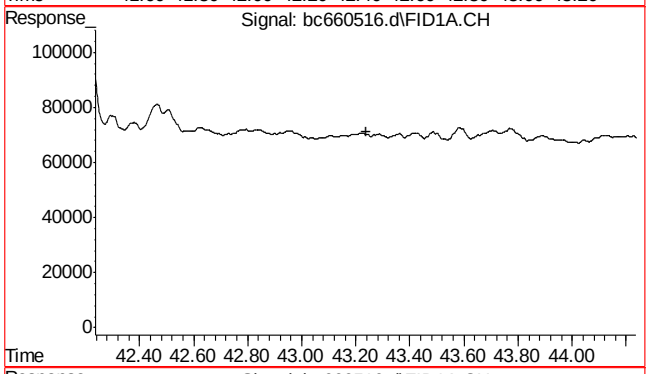
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



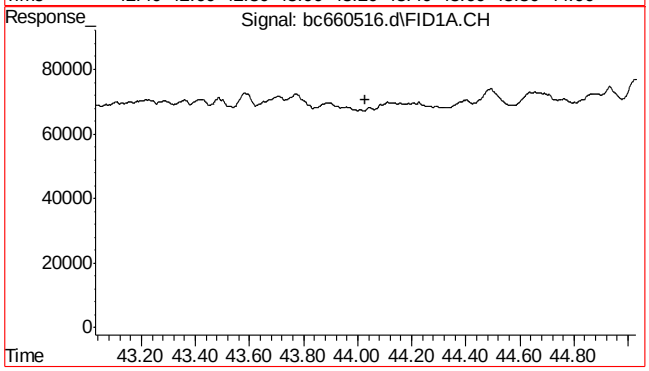
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



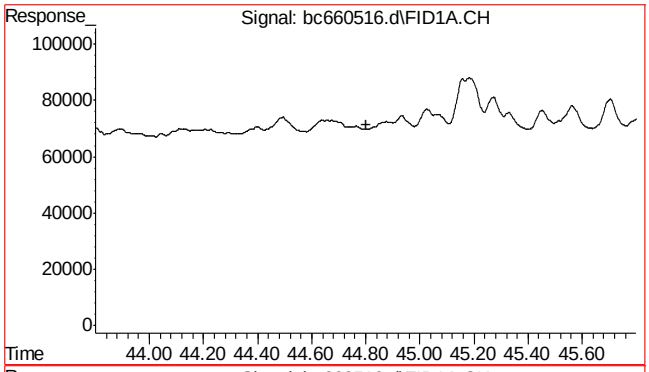
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



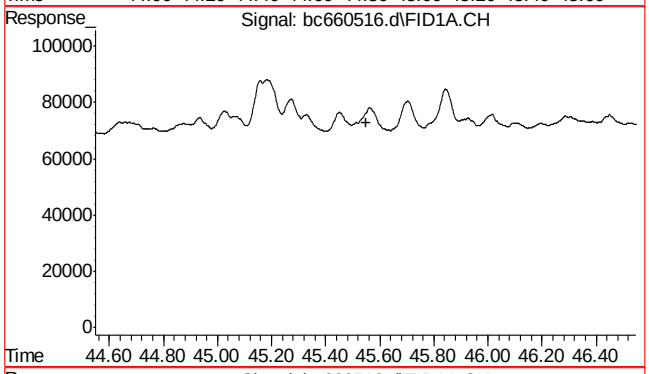
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



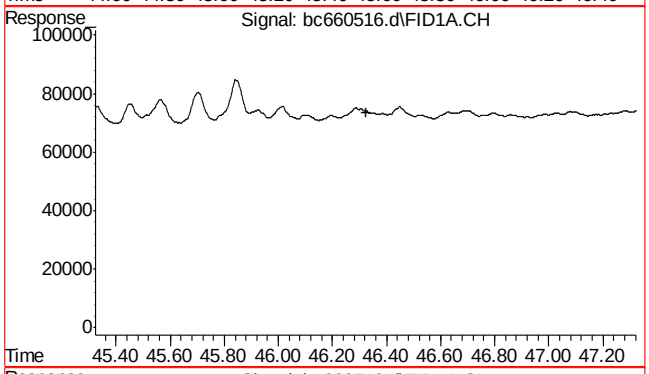
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



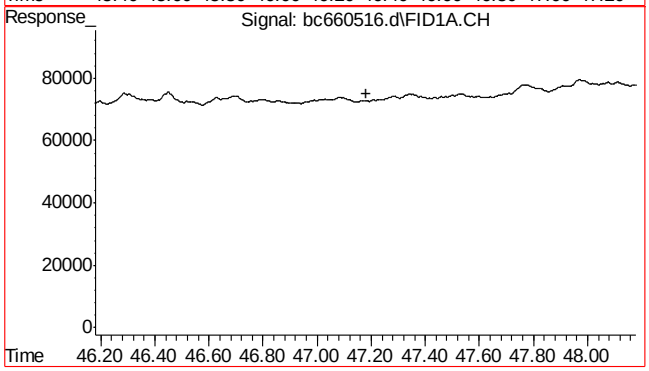
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



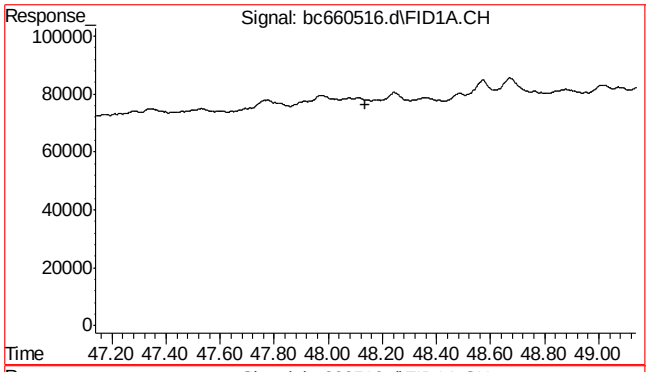
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



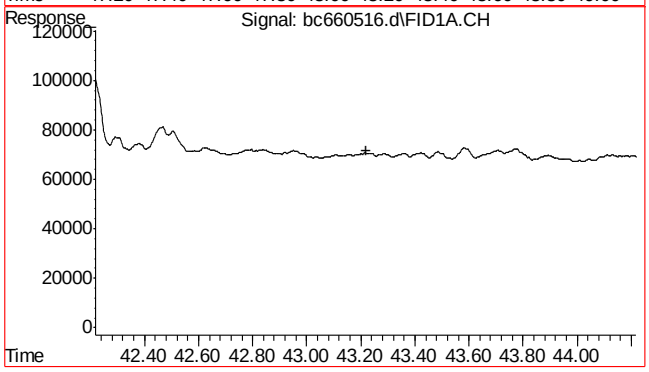
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660480.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 03:19:27
Operator : kimmien
Sample : mc30024-14a,op37816
Misc : op37816,gbc3617,1.22,,,10,,
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:14:42 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

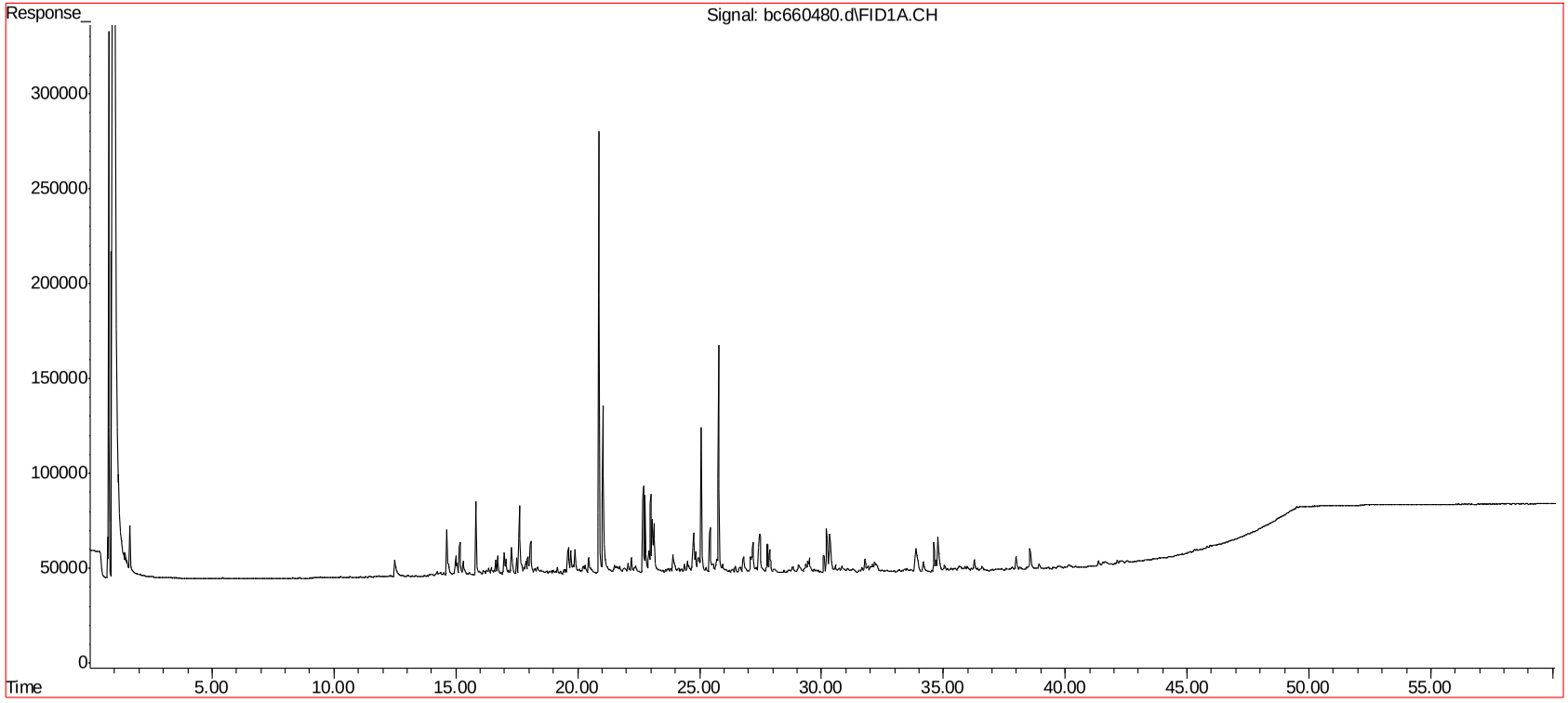
(f)=RT Delta > 1/2 Window (m)=manual int.

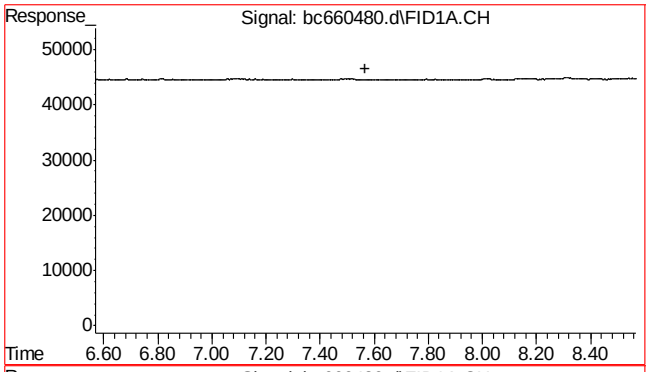
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660480.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 03:19:27
Operator : kimmien
Sample : mc30024-14a,op37816
Misc : op37816,gbc3617,1.22,,,10,,
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:14:42 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

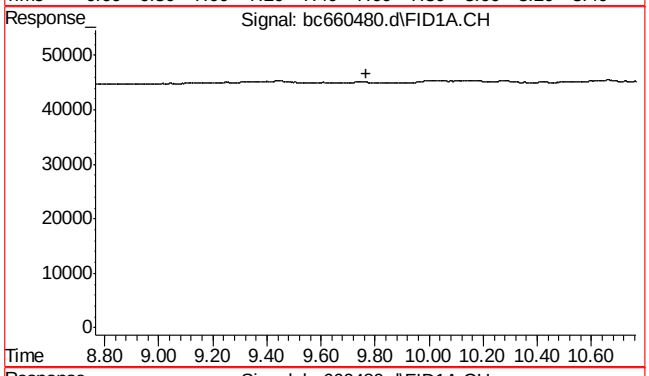
Volume Inj. :
Signal Phase :
Signal Info :





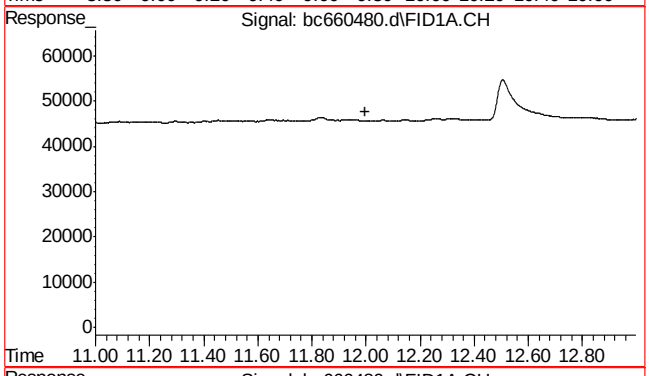
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



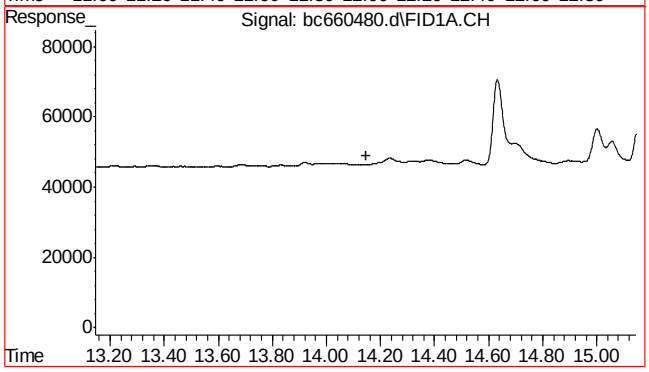
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



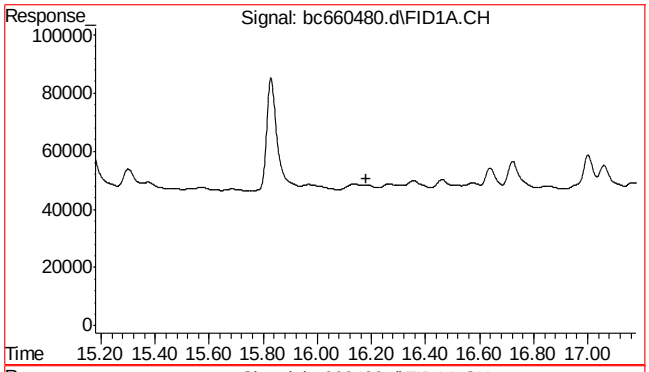
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



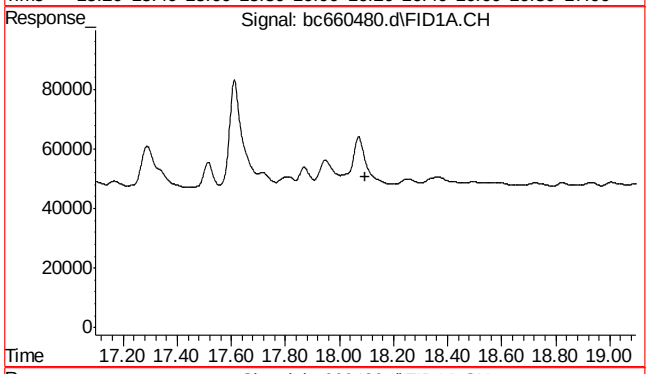
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



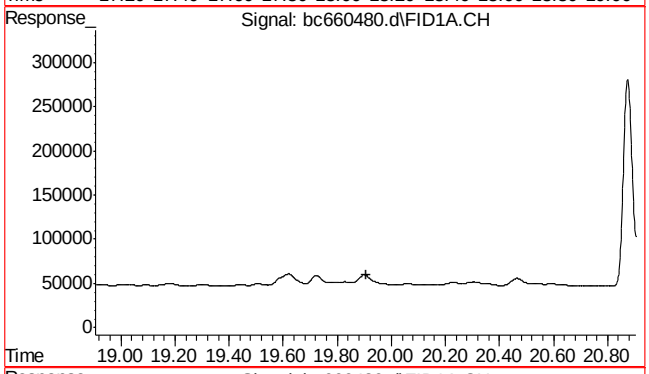
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



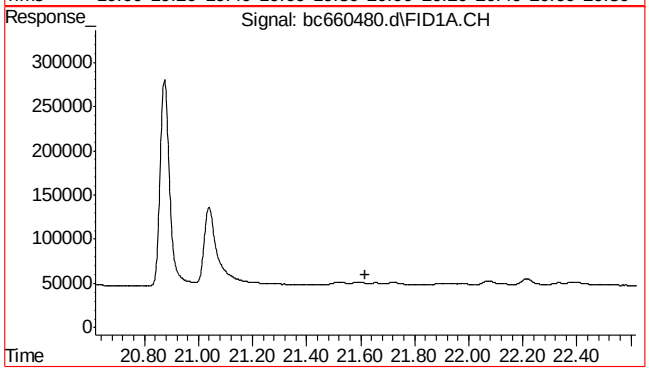
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



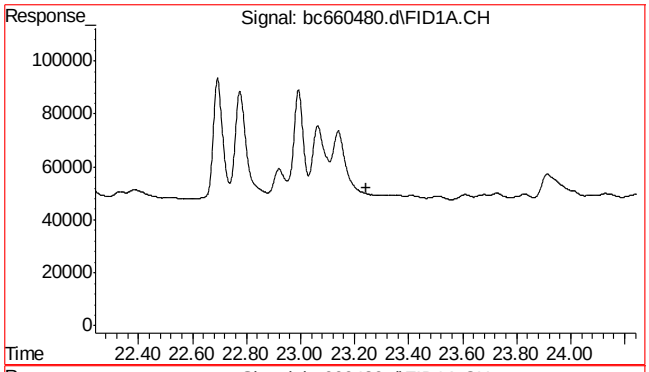
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



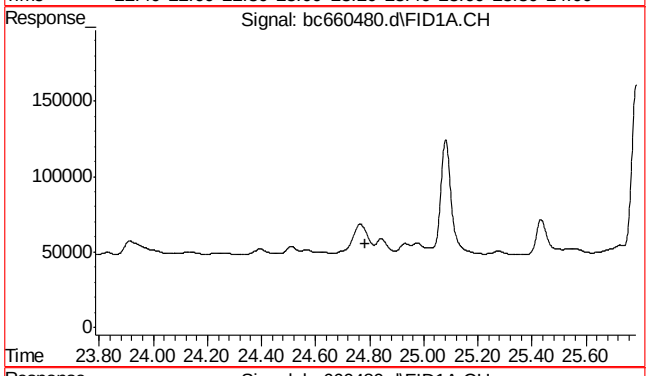
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



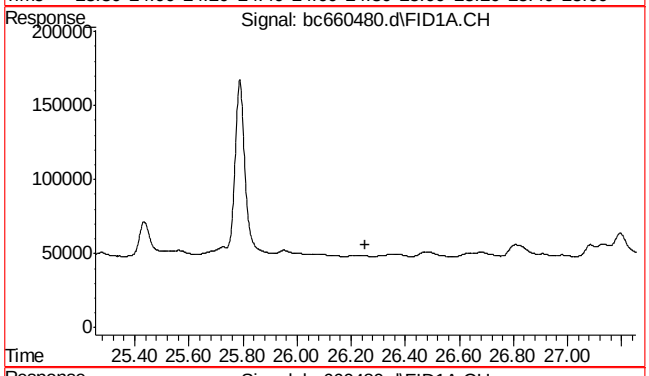
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



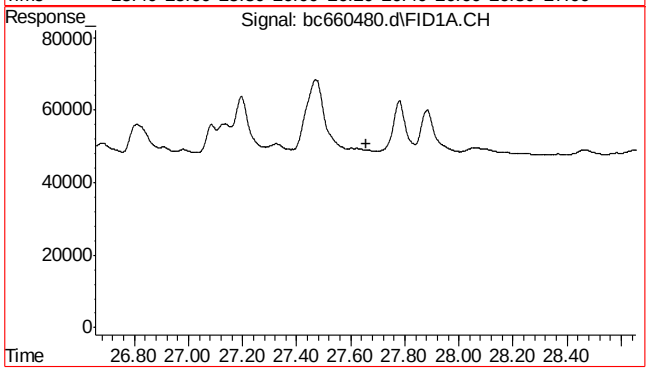
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



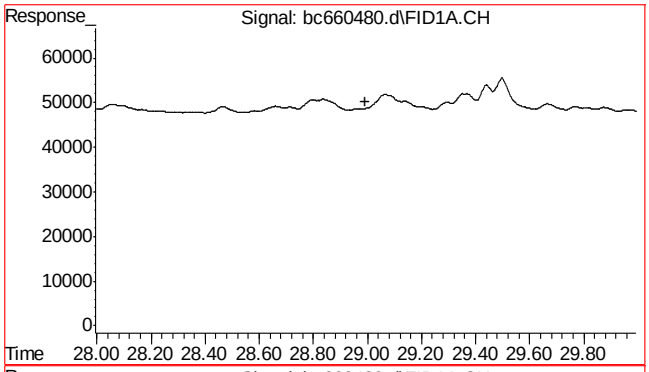
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



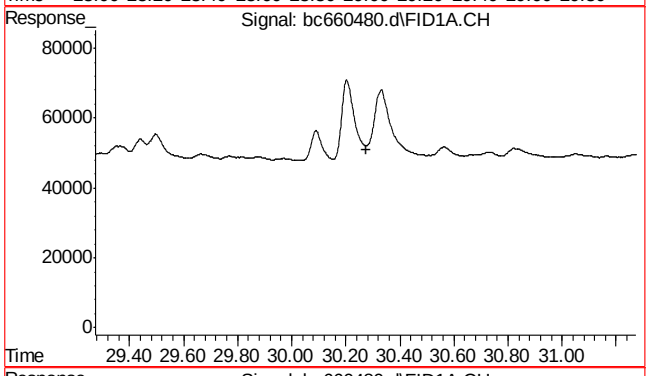
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



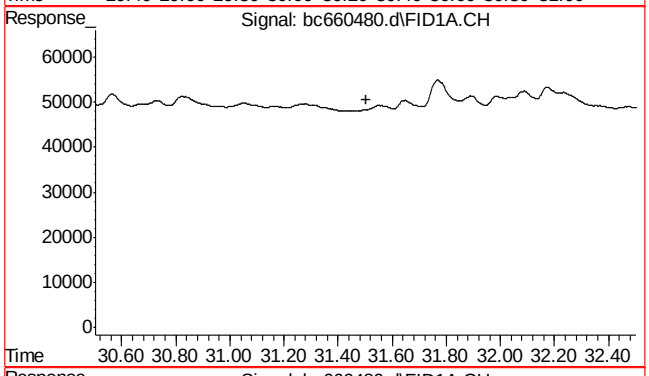
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



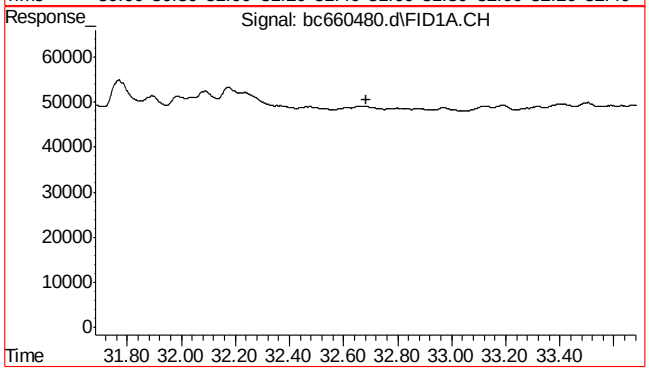
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



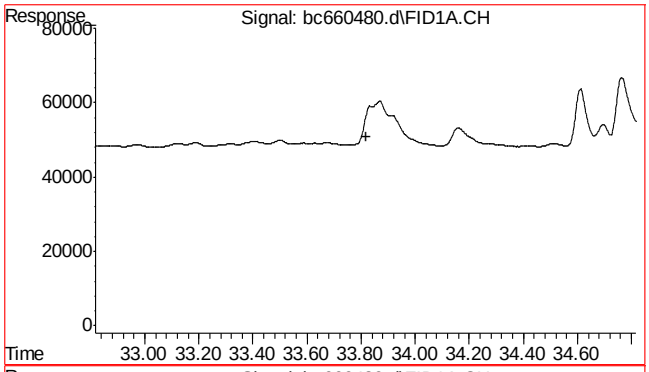
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



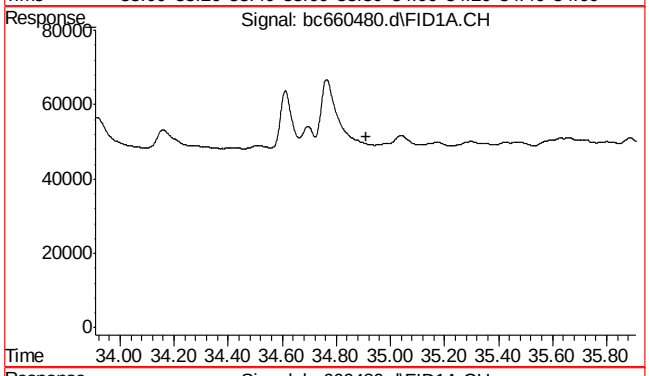
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



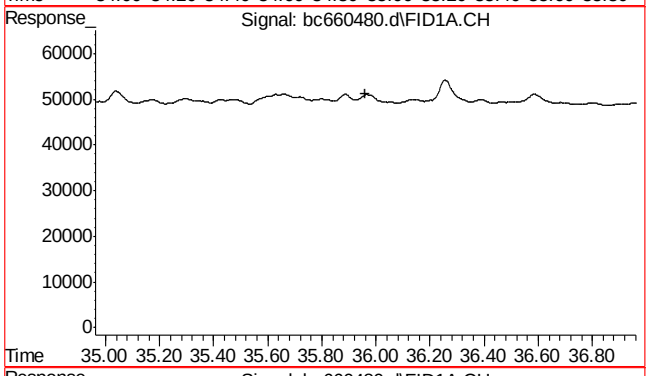
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



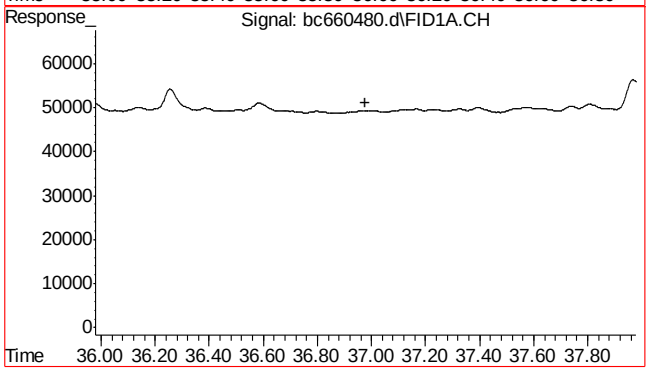
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



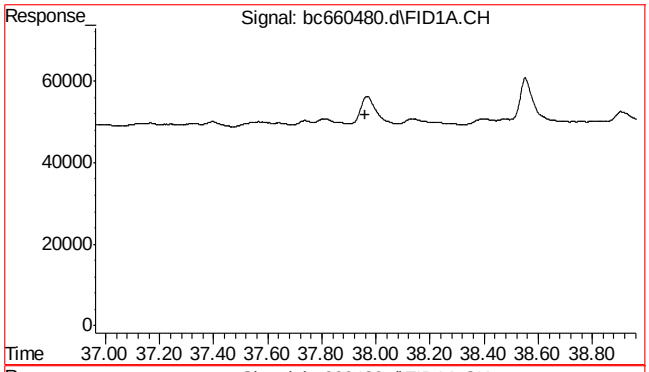
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



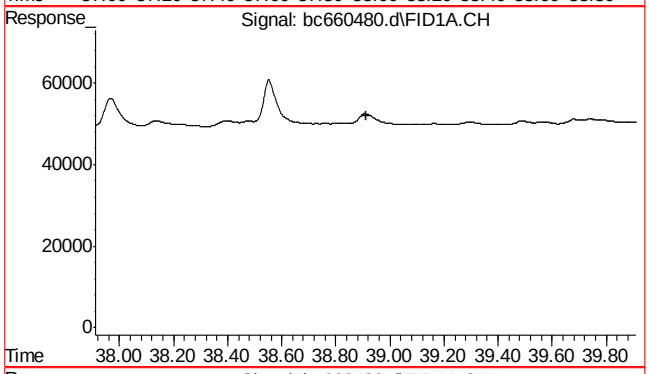
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



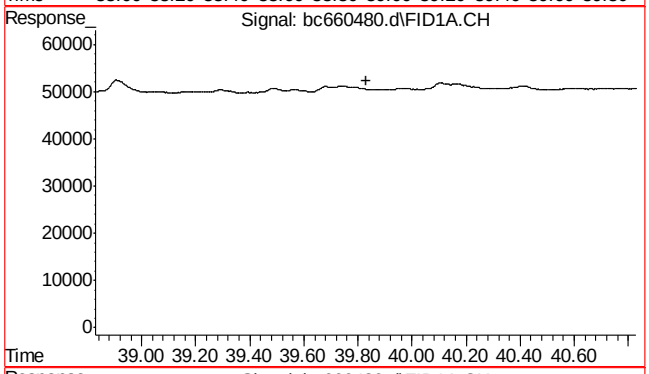
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



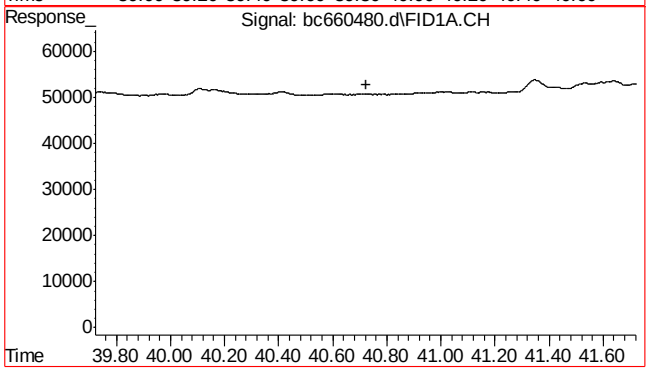
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



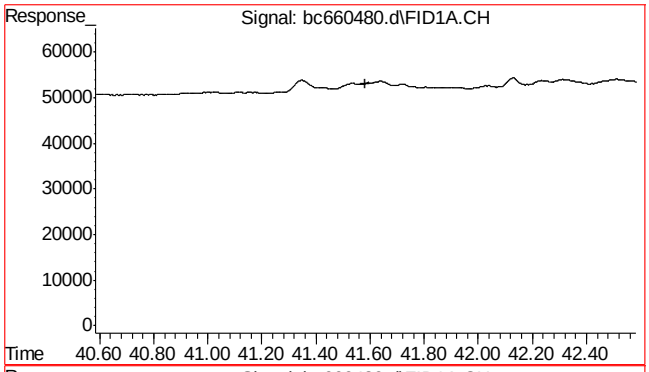
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



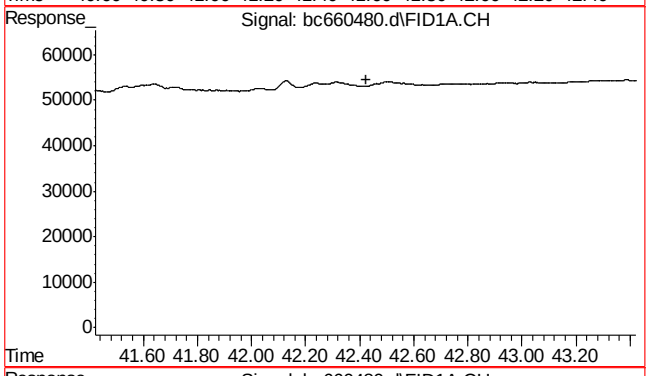
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



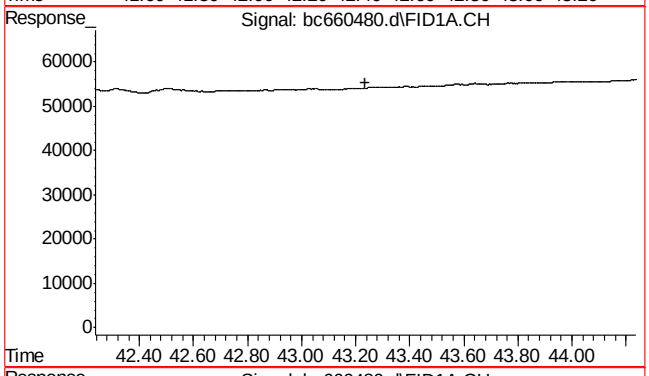
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



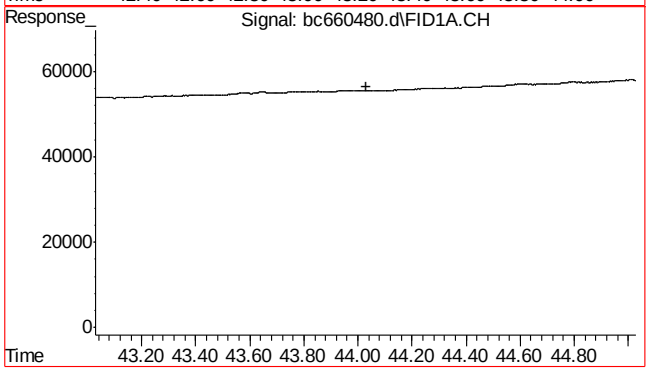
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



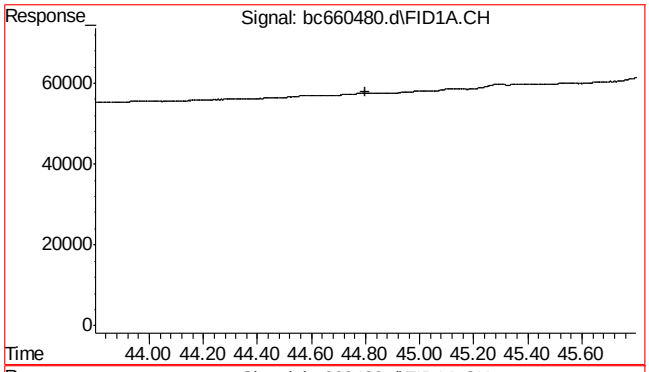
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



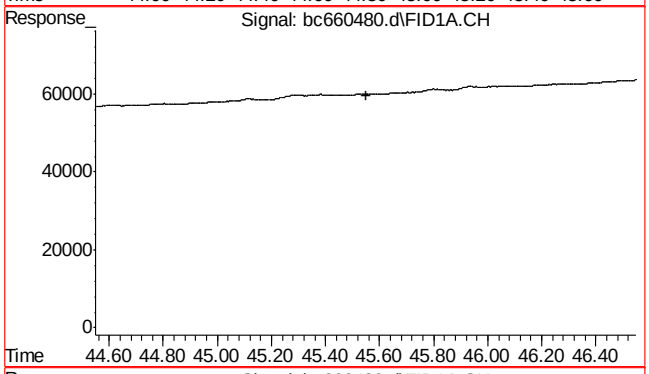
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



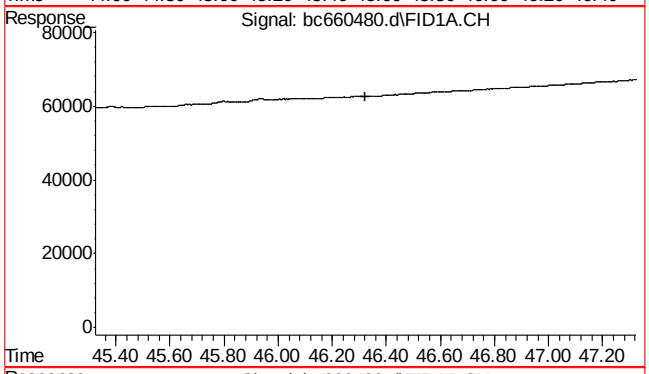
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



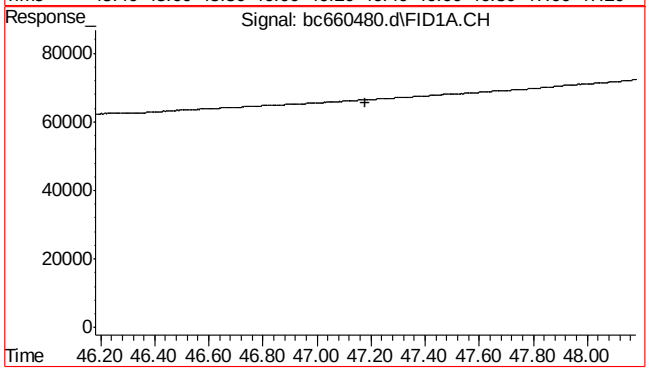
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



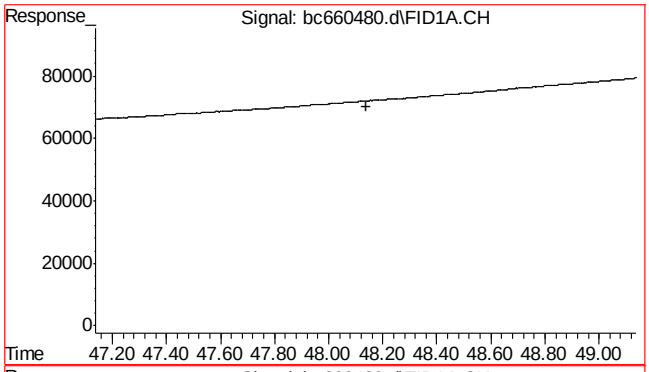
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



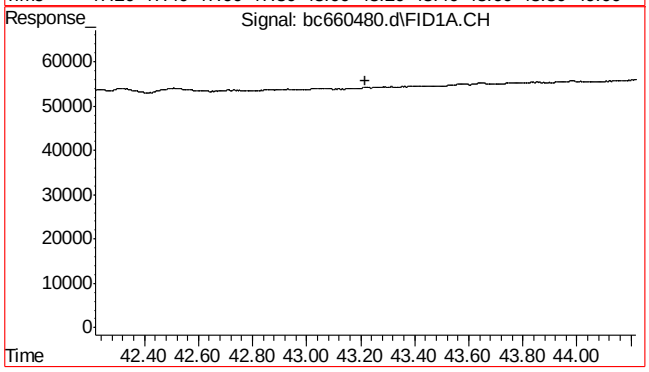
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660496.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 12:58:14
Operator : kimmien
Sample : mc30024-15a,op37816
Misc : op37816,gbc3617,1.28,,,10,,
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:17:53 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

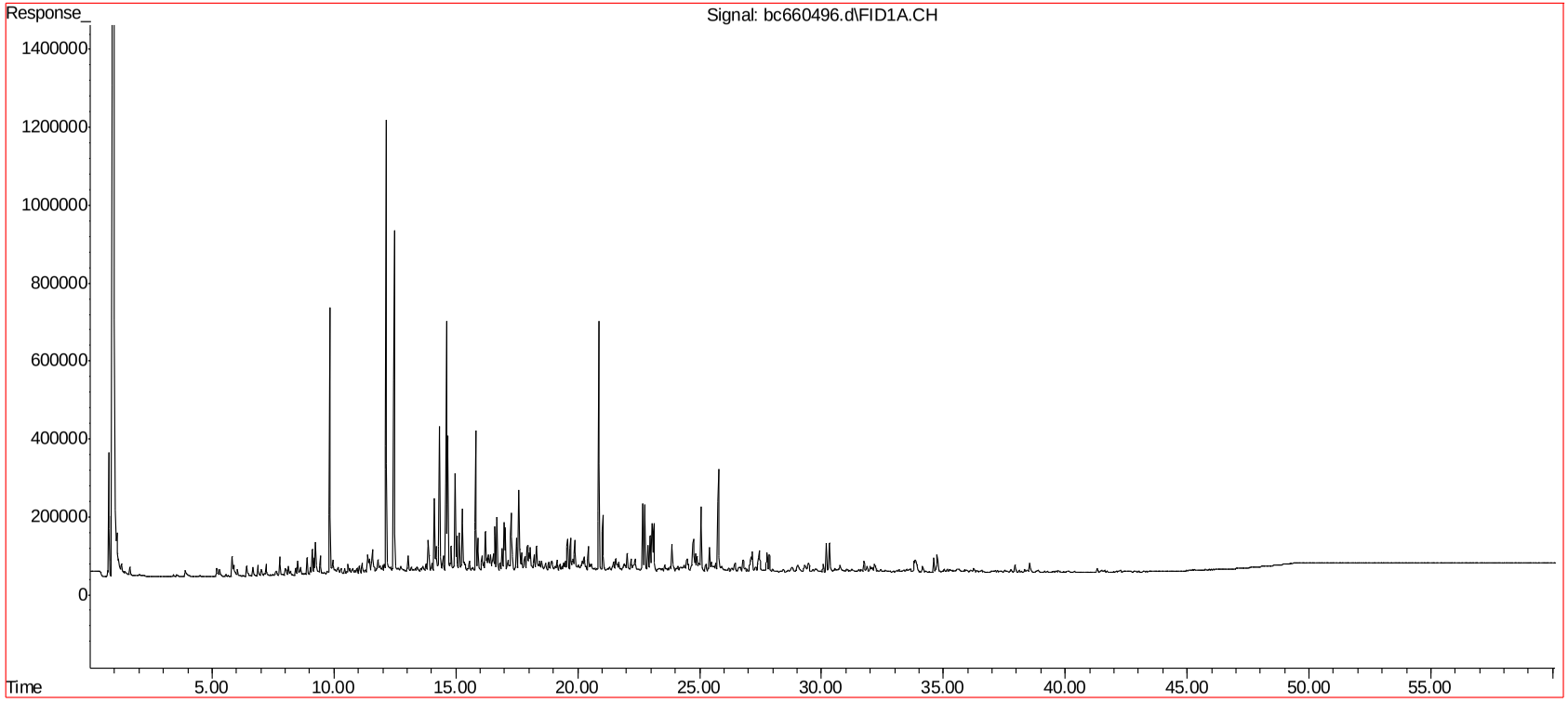
(f)=RT Delta > 1/2 Window (m)=manual int.

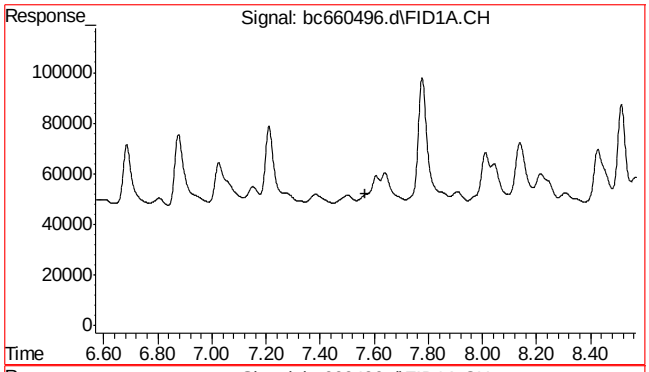
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660496.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 12:58:14
Operator : kimmien
Sample : mc30024-15a,op37816
Misc : op37816,gbc3617,1.28,,,10,,
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:17:53 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

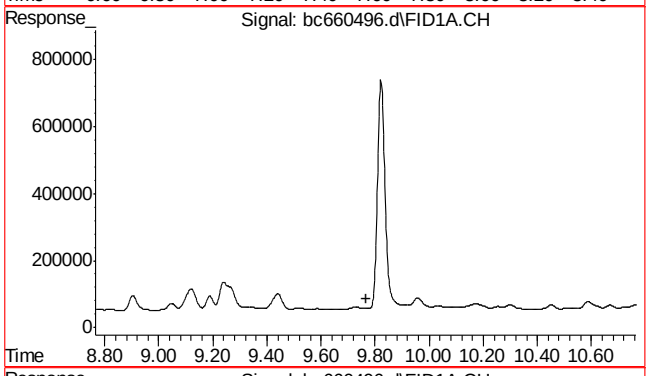
Volume Inj. :
Signal Phase :
Signal Info :





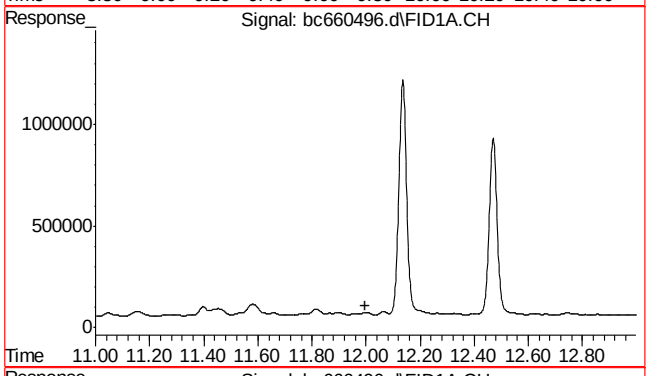
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



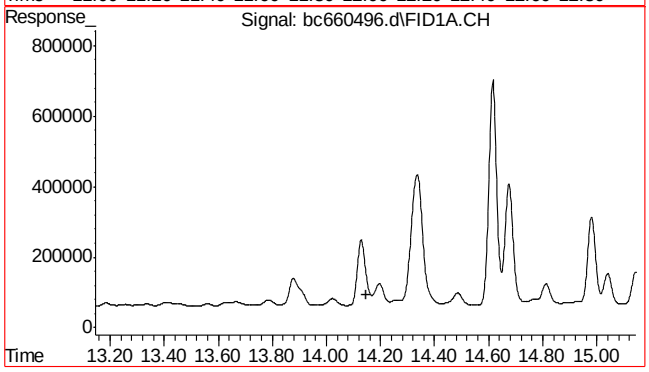
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



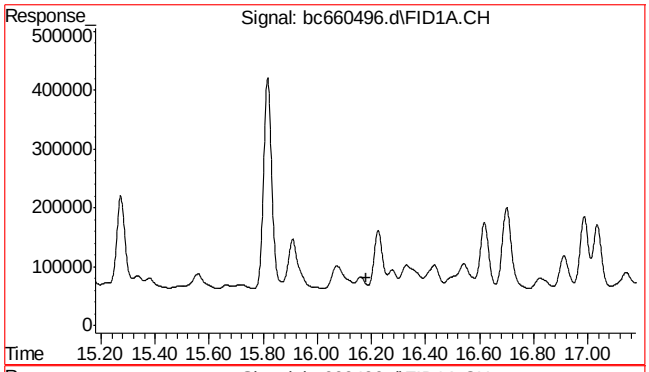
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



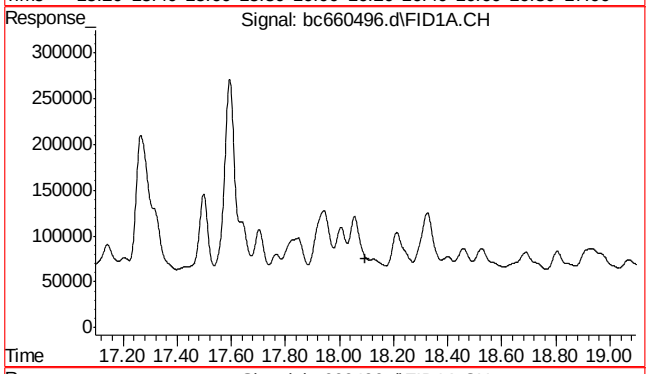
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



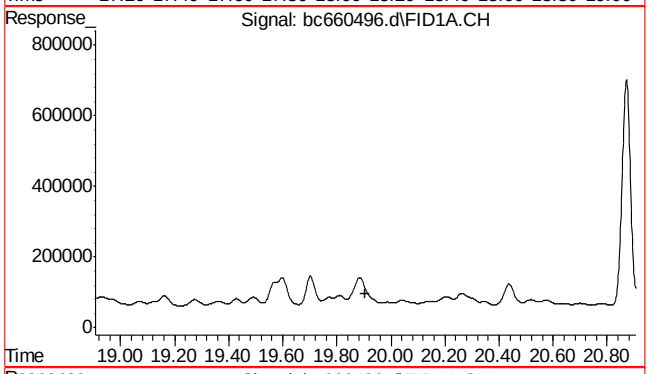
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



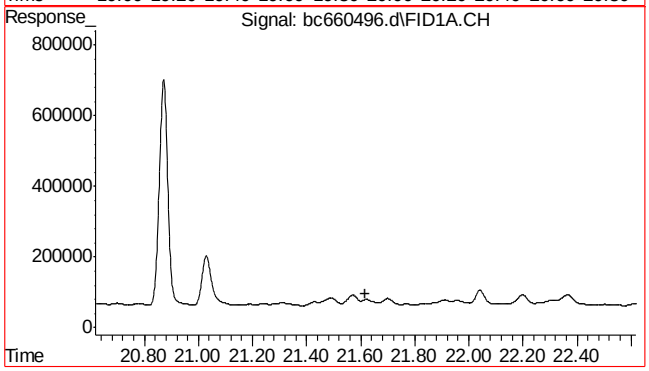
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



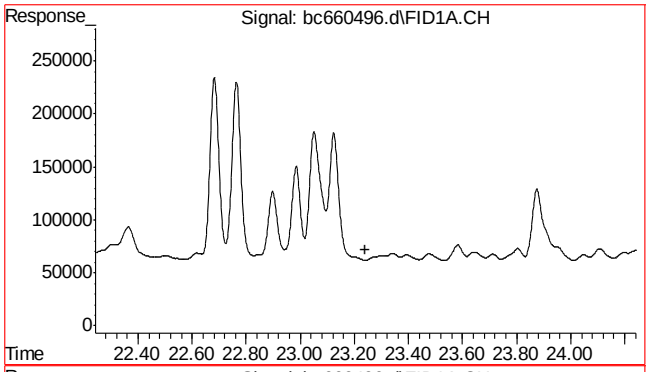
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



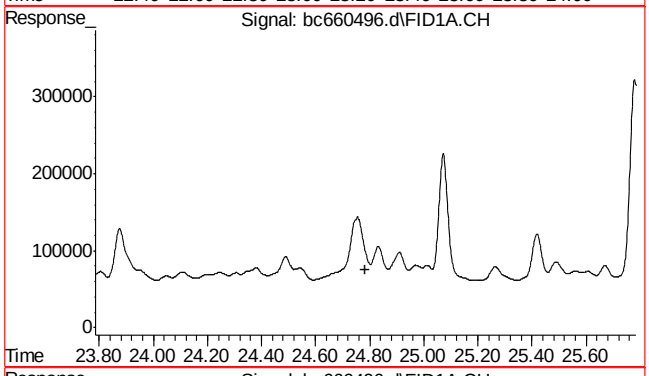
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



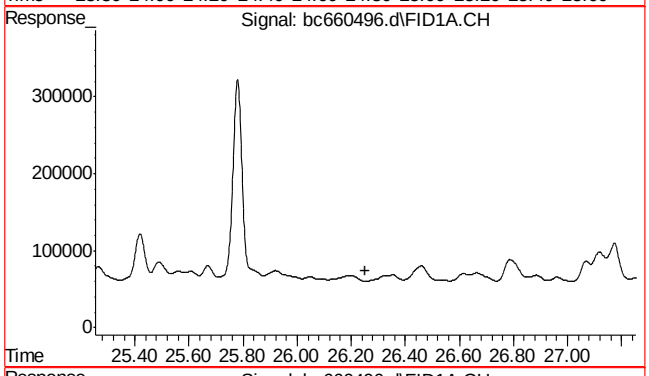
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



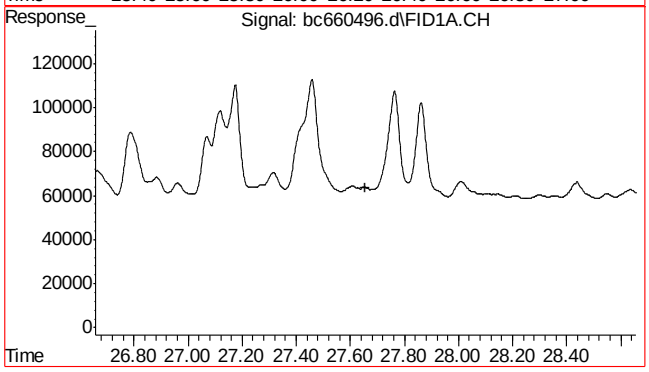
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



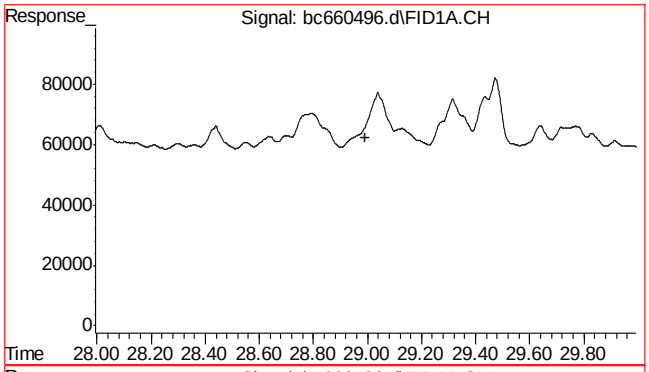
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



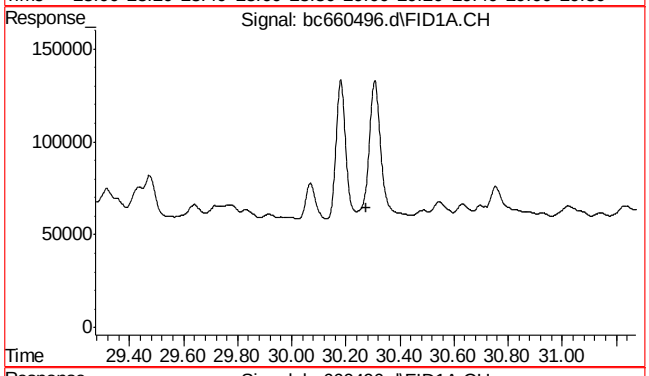
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



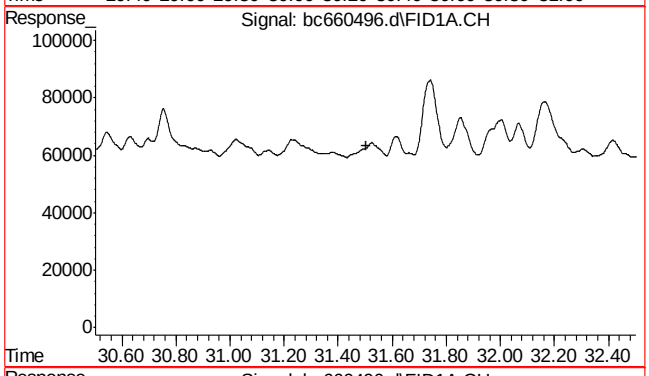
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



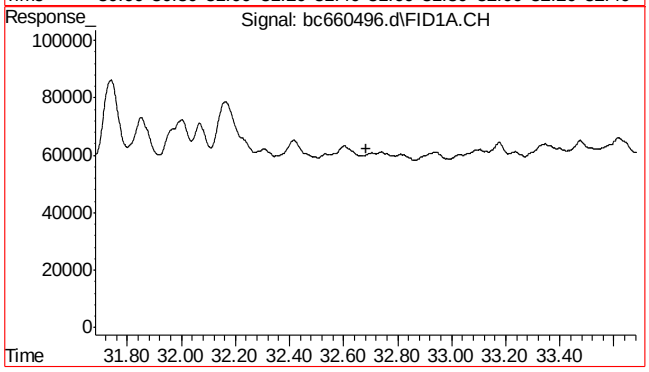
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



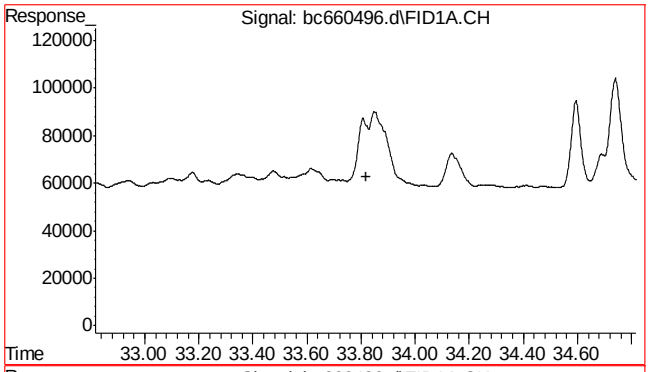
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



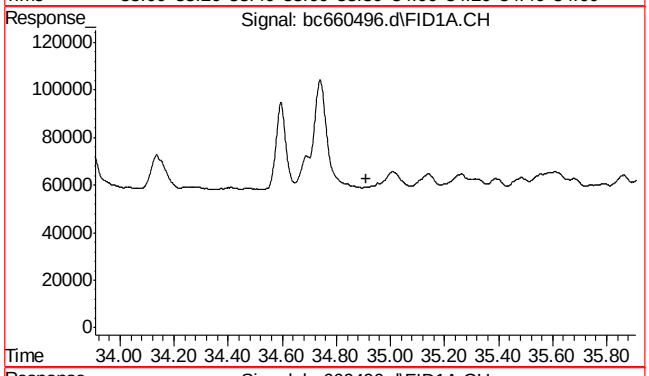
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



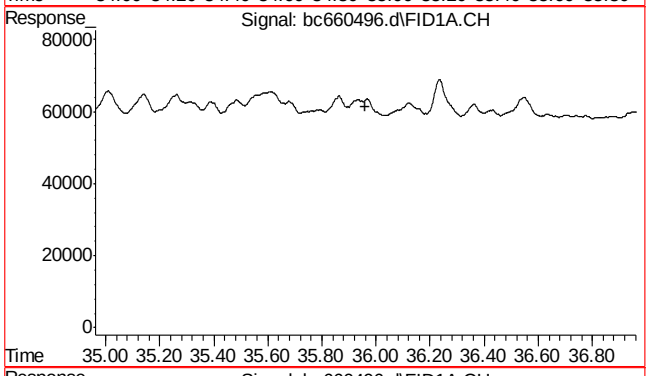
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



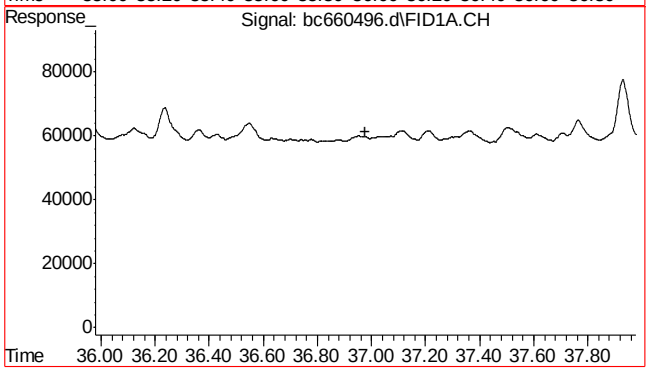
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



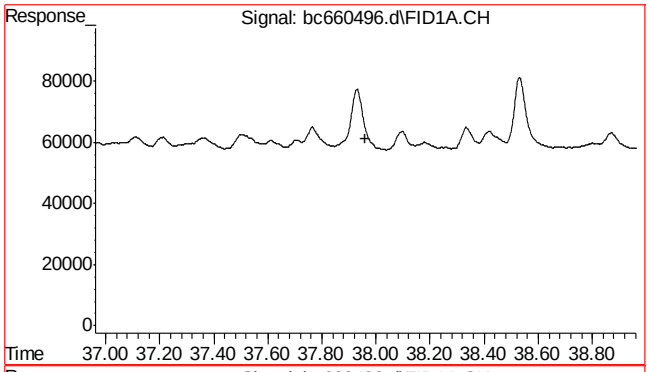
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



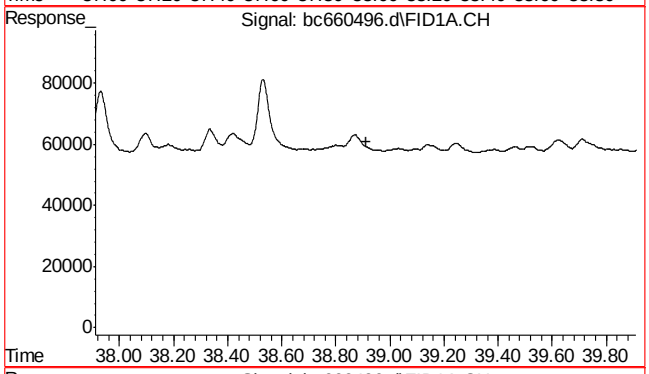
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



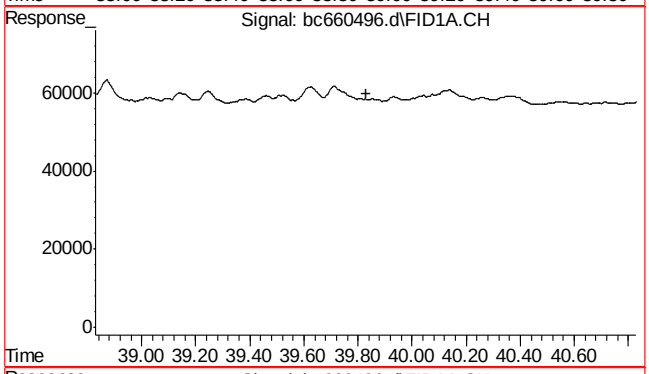
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



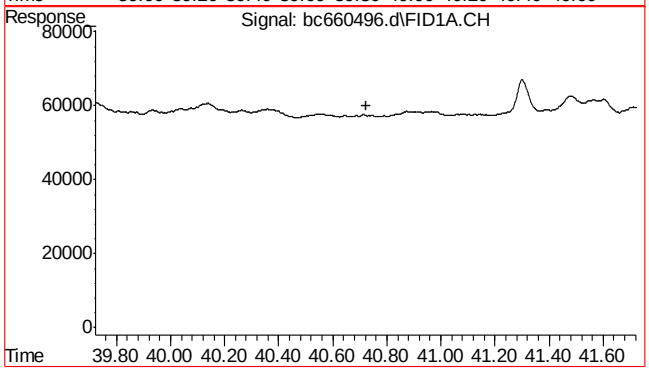
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



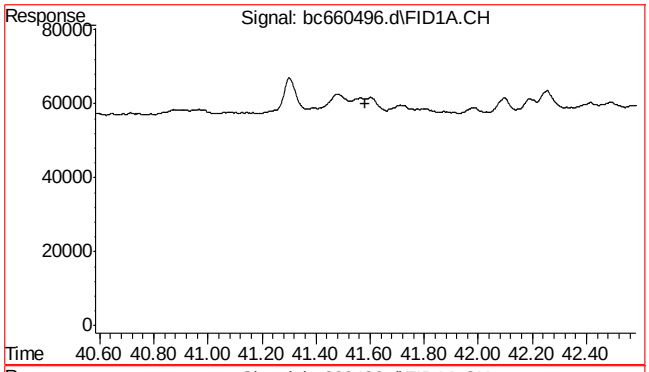
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



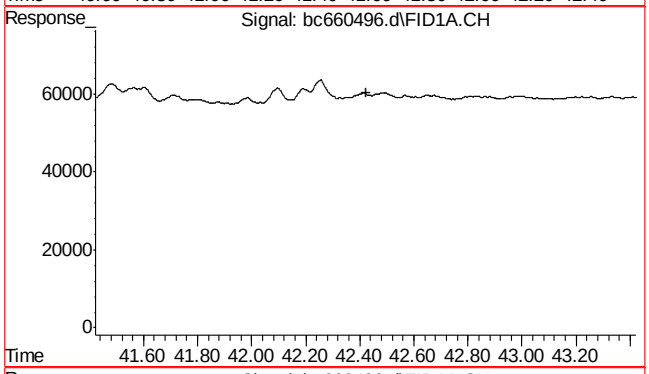
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



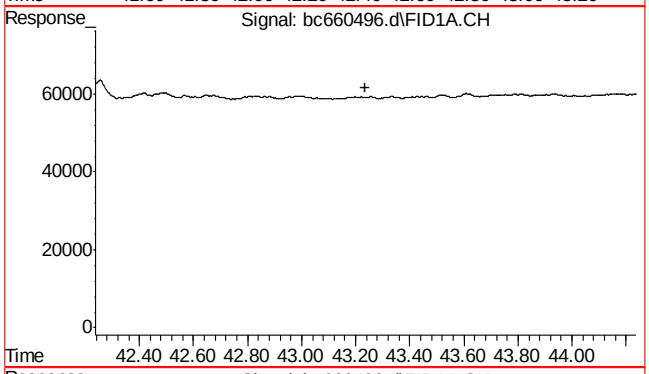
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



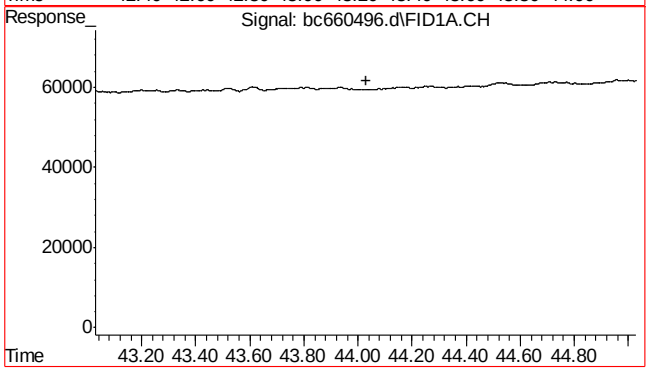
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



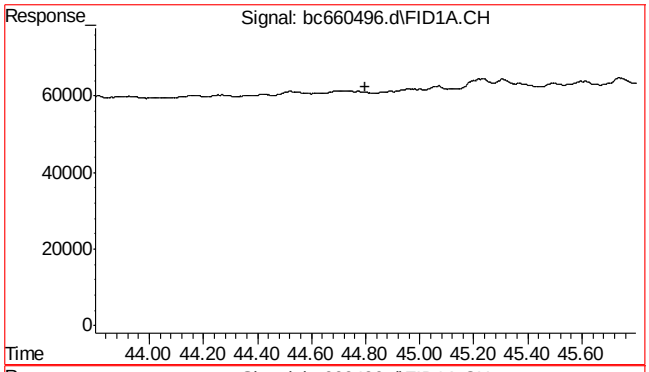
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



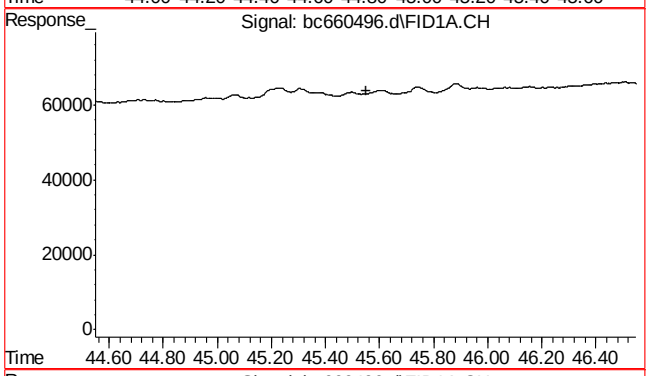
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



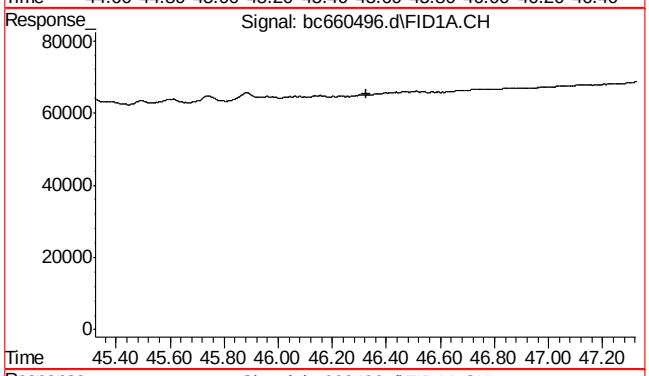
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



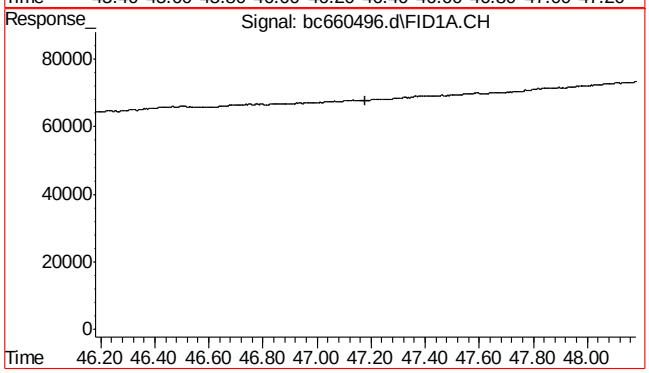
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



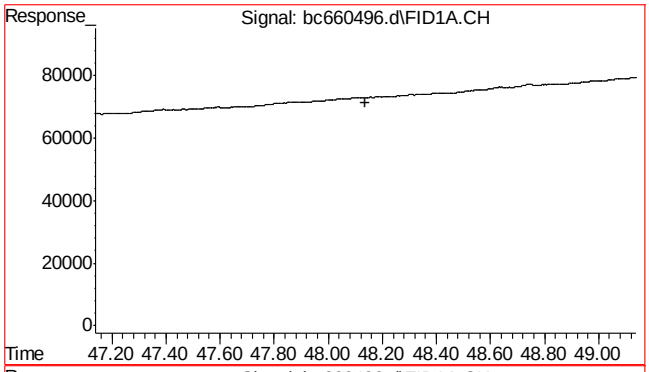
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



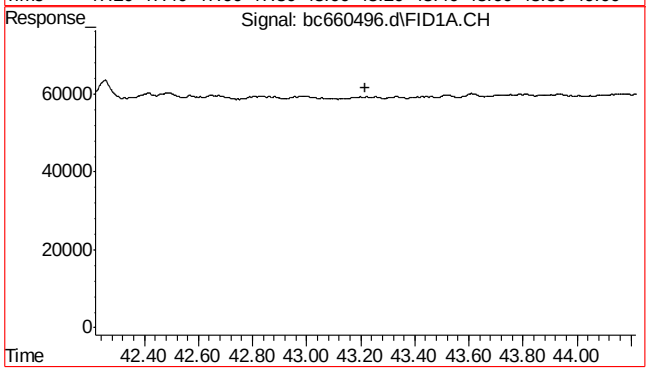
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660508.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 20:29:40
Operator : kimmien
Sample : mc30024-16a,op37816
Misc : op37816,gbc3617,1.54,,,10,,
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:19:57 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

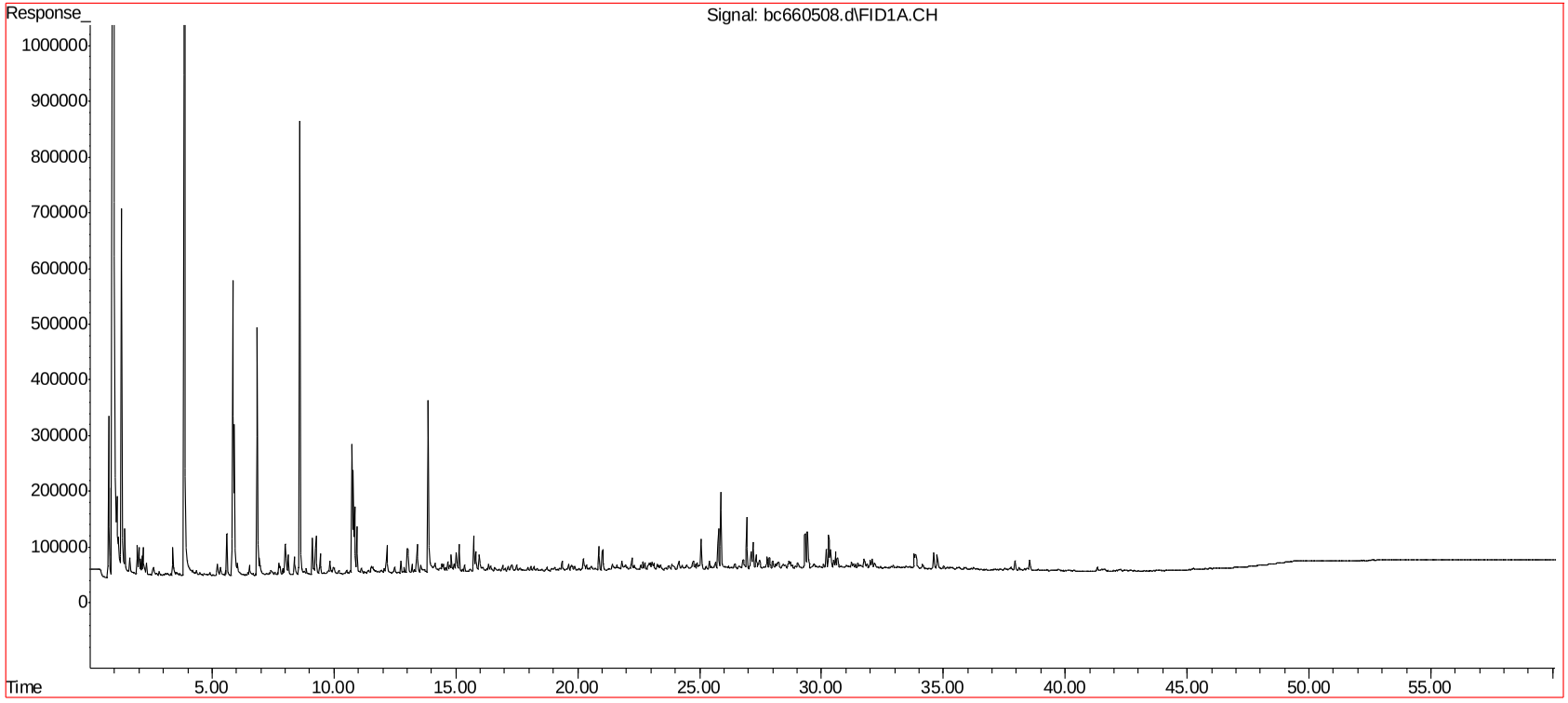
(f)=RT Delta > 1/2 Window (m)=manual int.

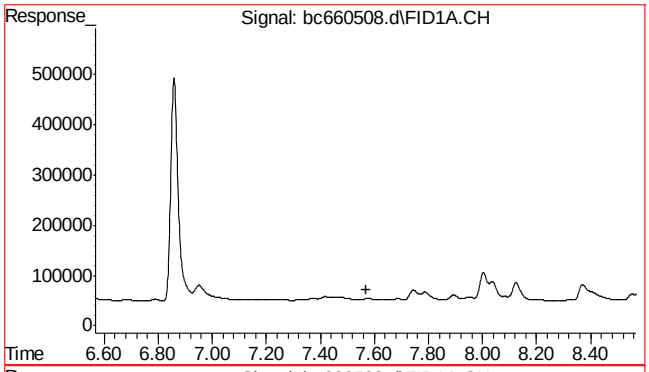
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660508.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 20:29:40
Operator : kimmien
Sample : mc30024-16a,op37816
Misc : op37816,gbc3617,1.54,,,10,,
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:19:57 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

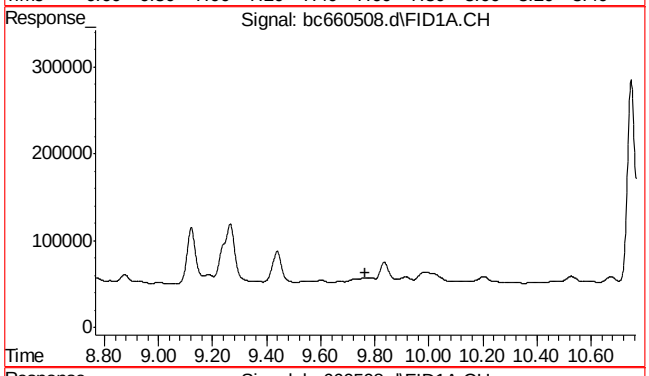
Volume Inj. :
Signal Phase :
Signal Info :





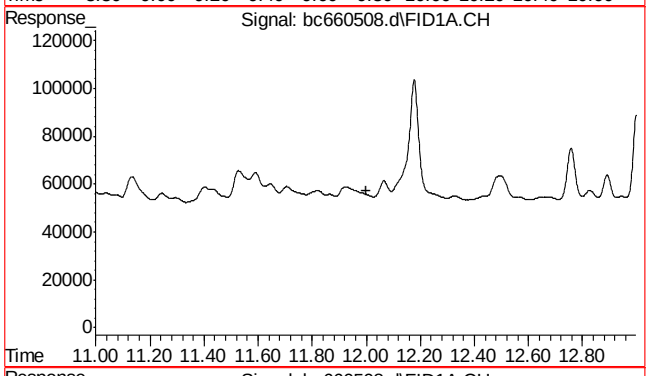
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



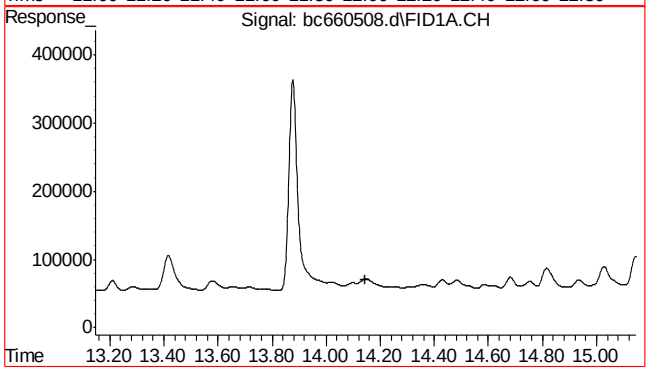
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



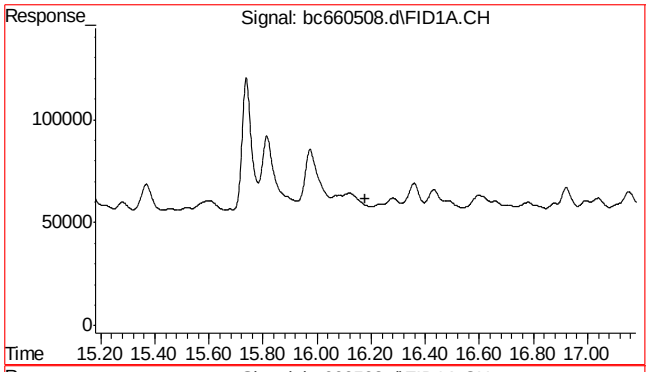
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



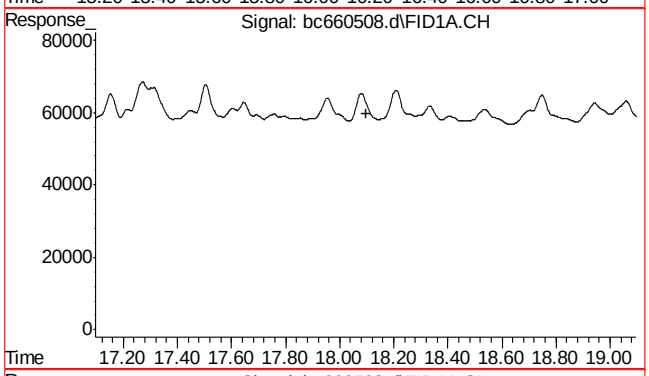
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



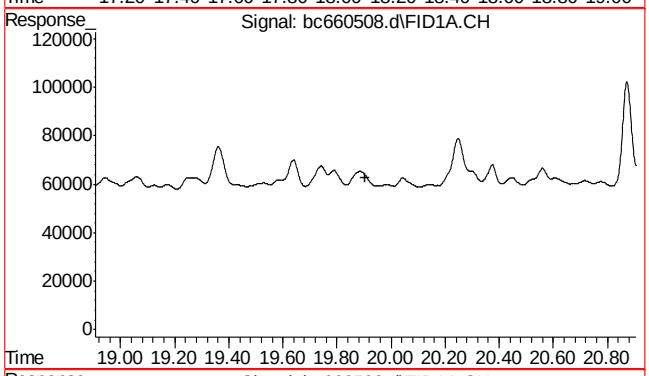
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



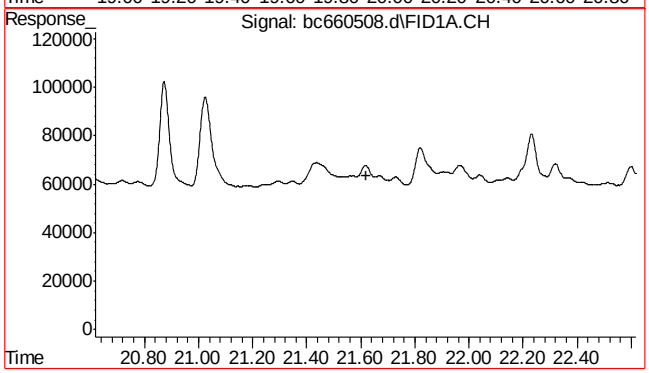
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



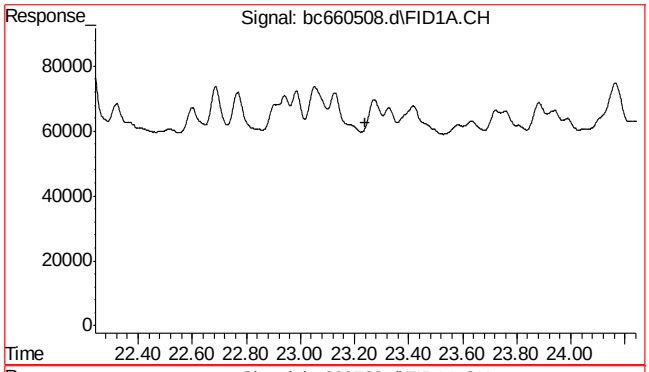
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



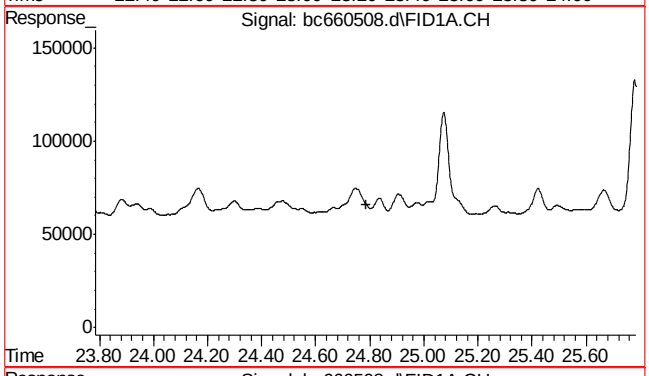
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



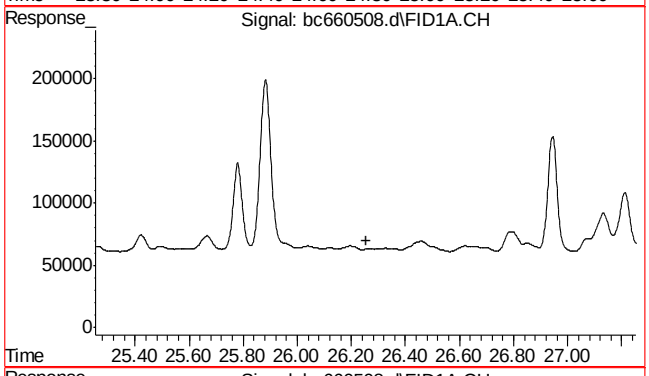
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



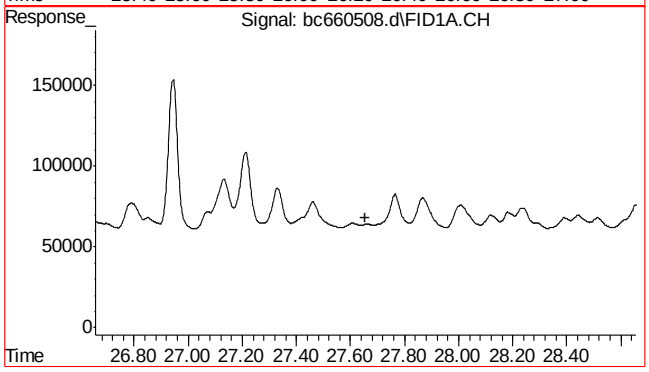
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



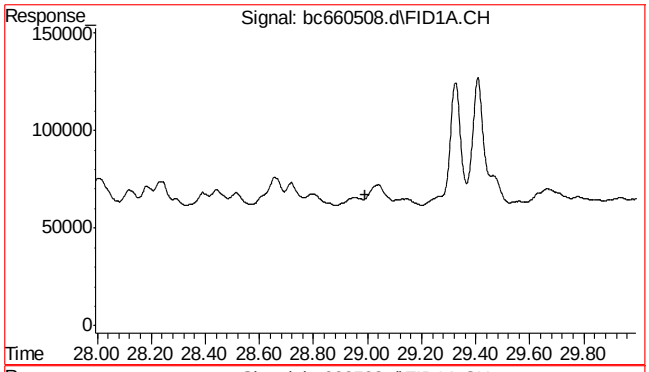
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



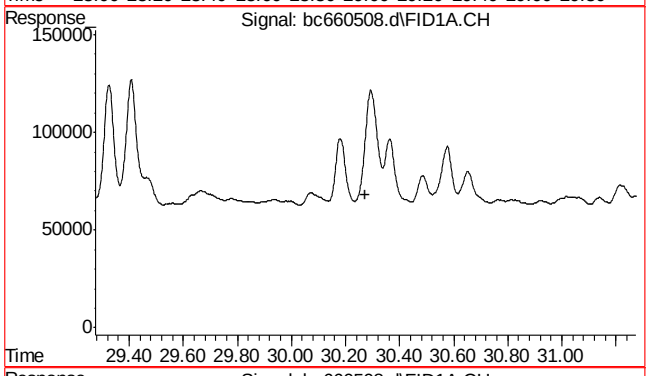
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



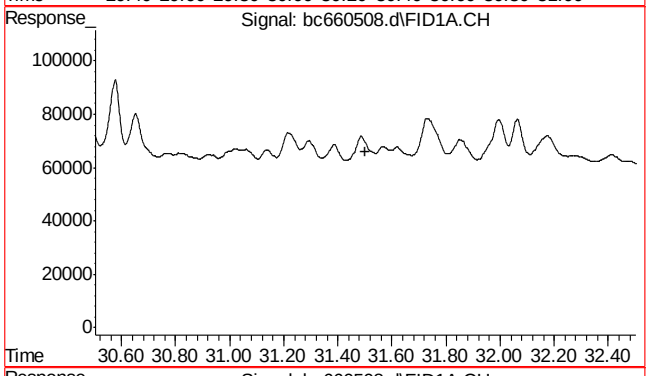
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



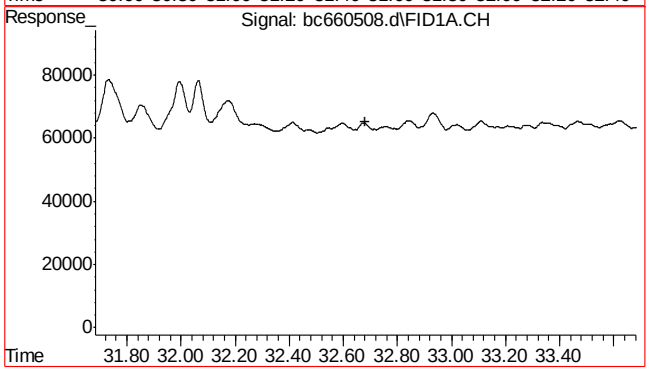
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



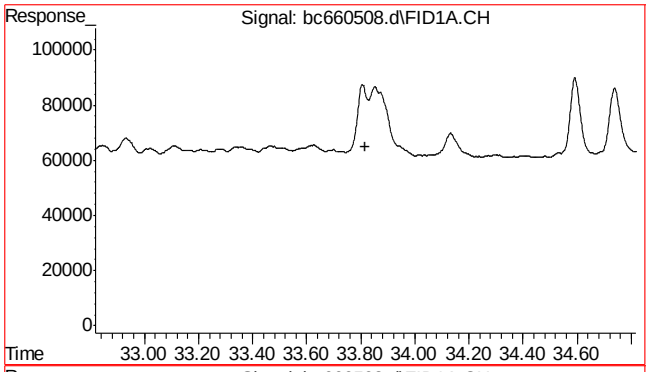
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



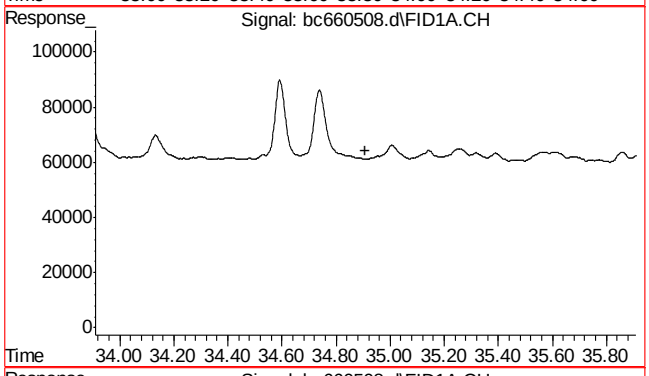
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



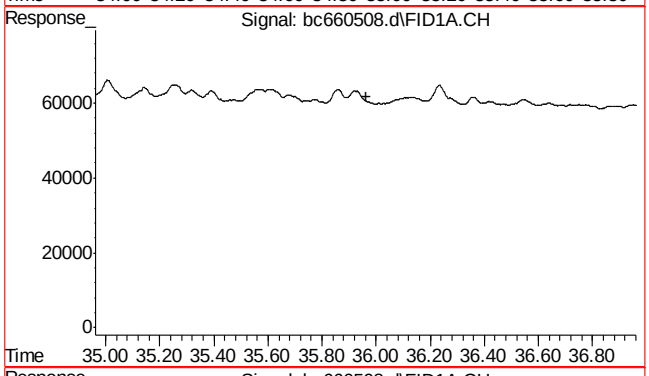
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



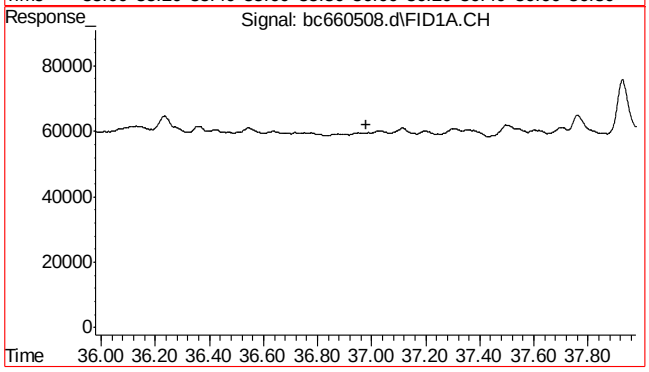
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



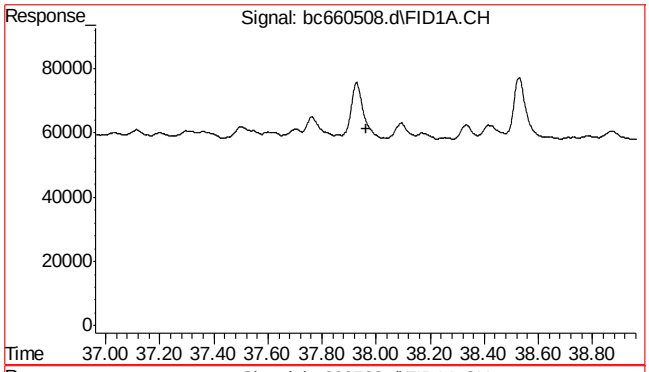
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



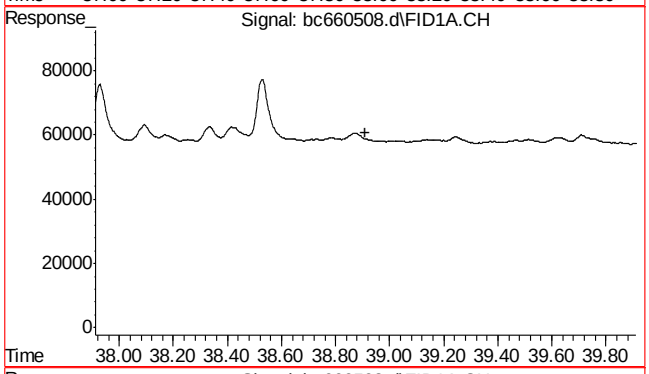
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



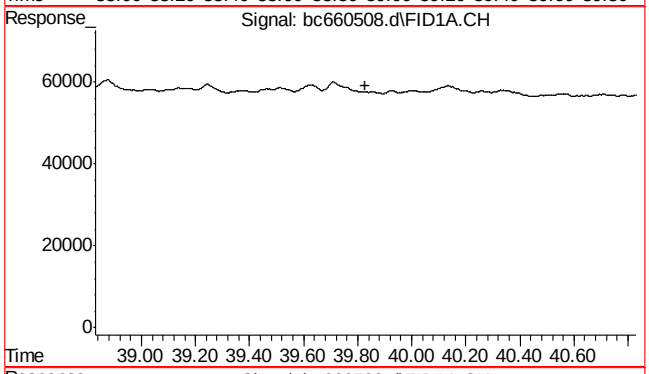
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



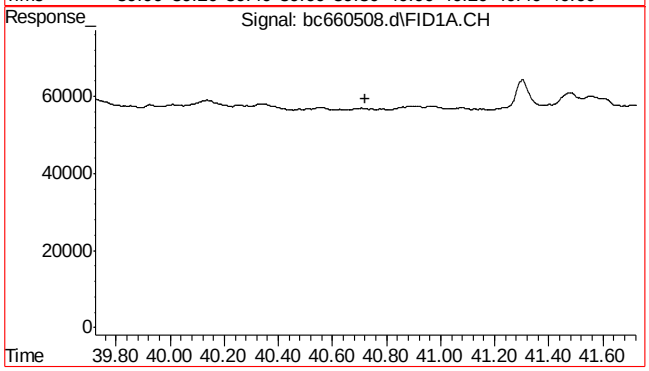
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



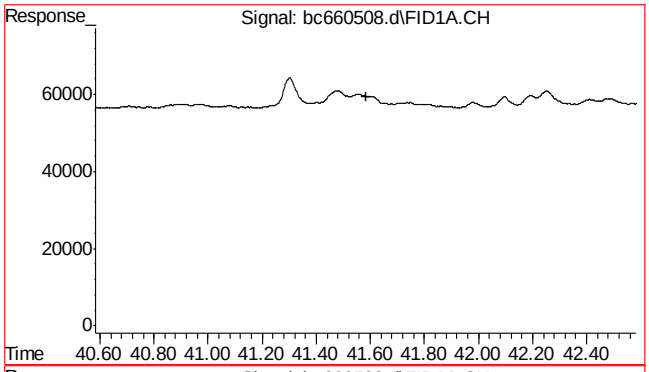
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



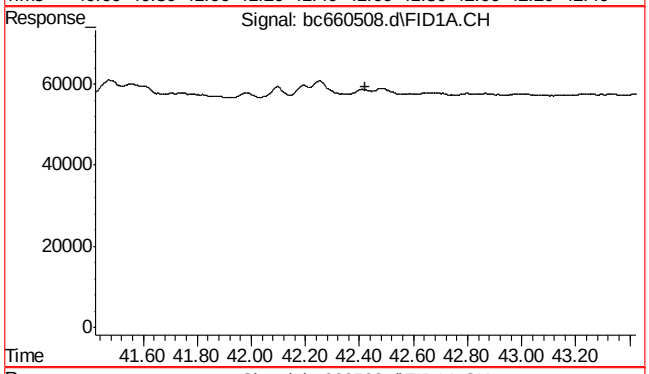
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



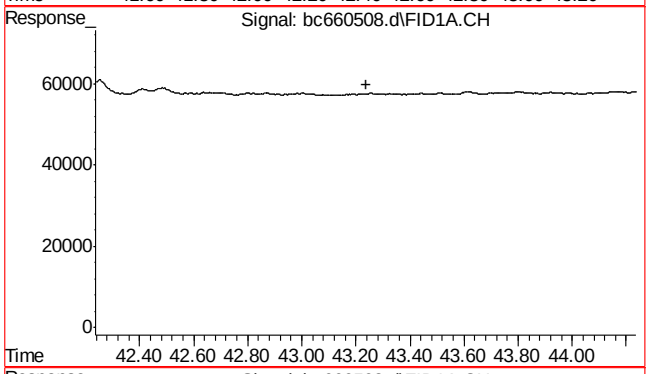
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



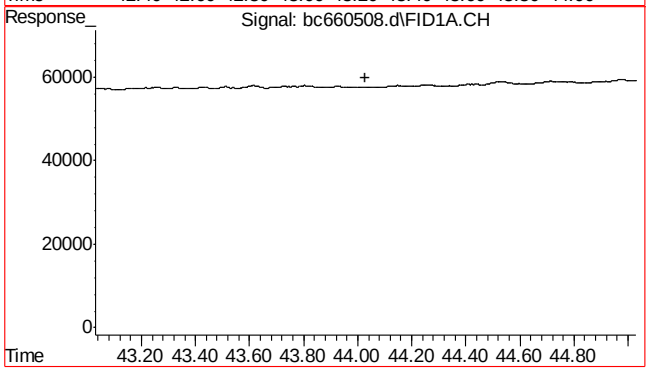
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



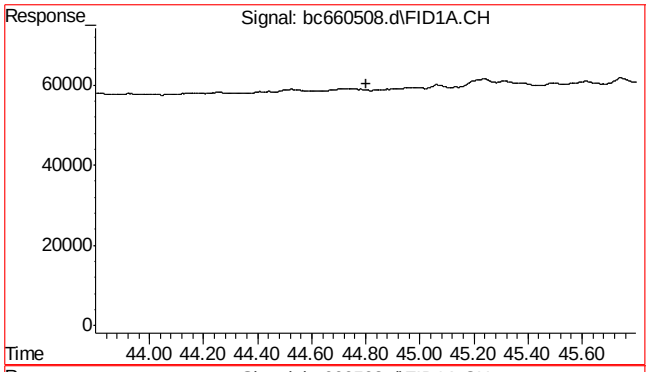
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



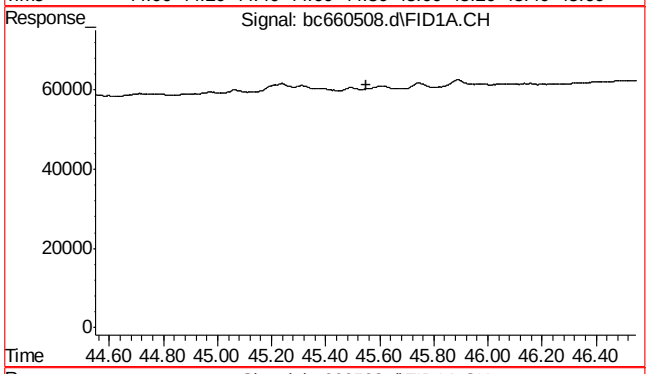
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



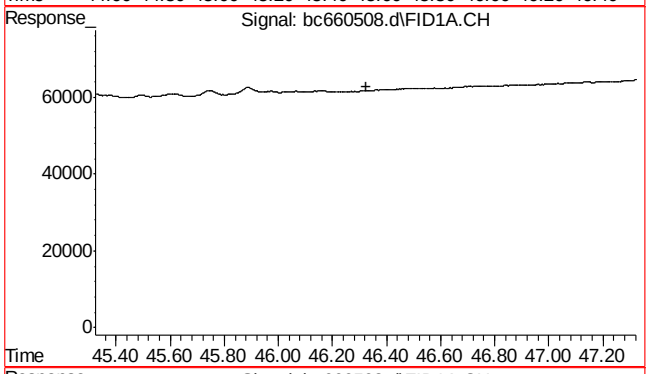
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



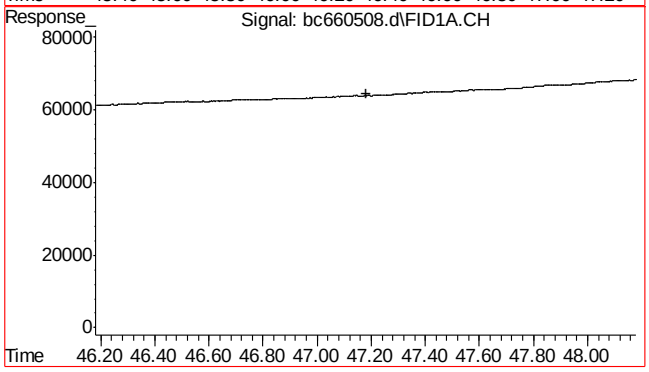
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



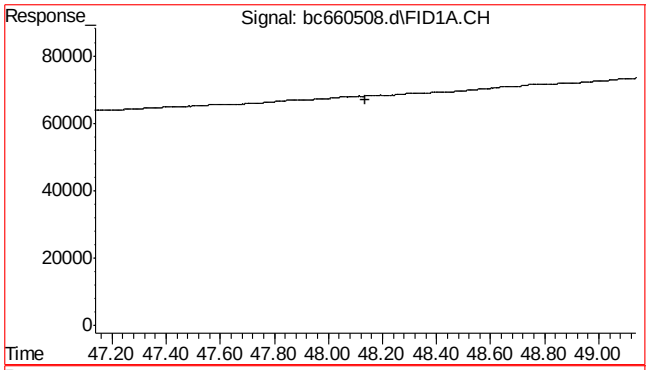
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



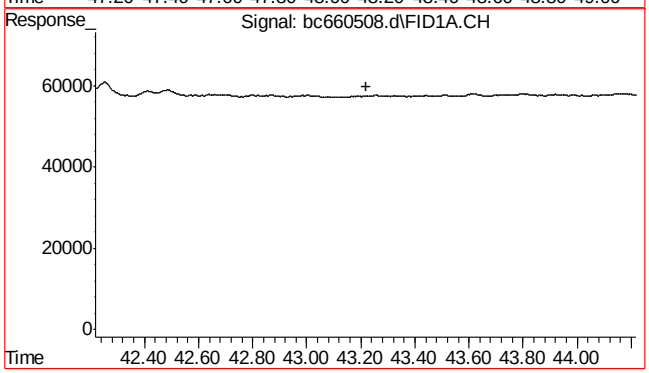
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660520.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 03:44:17
Operator : kimmien
Sample : mc30024-17a,op37816
Misc : op37816,gbc3617,1.96,,,10,,
ALS Vial : 34 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:21:59 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

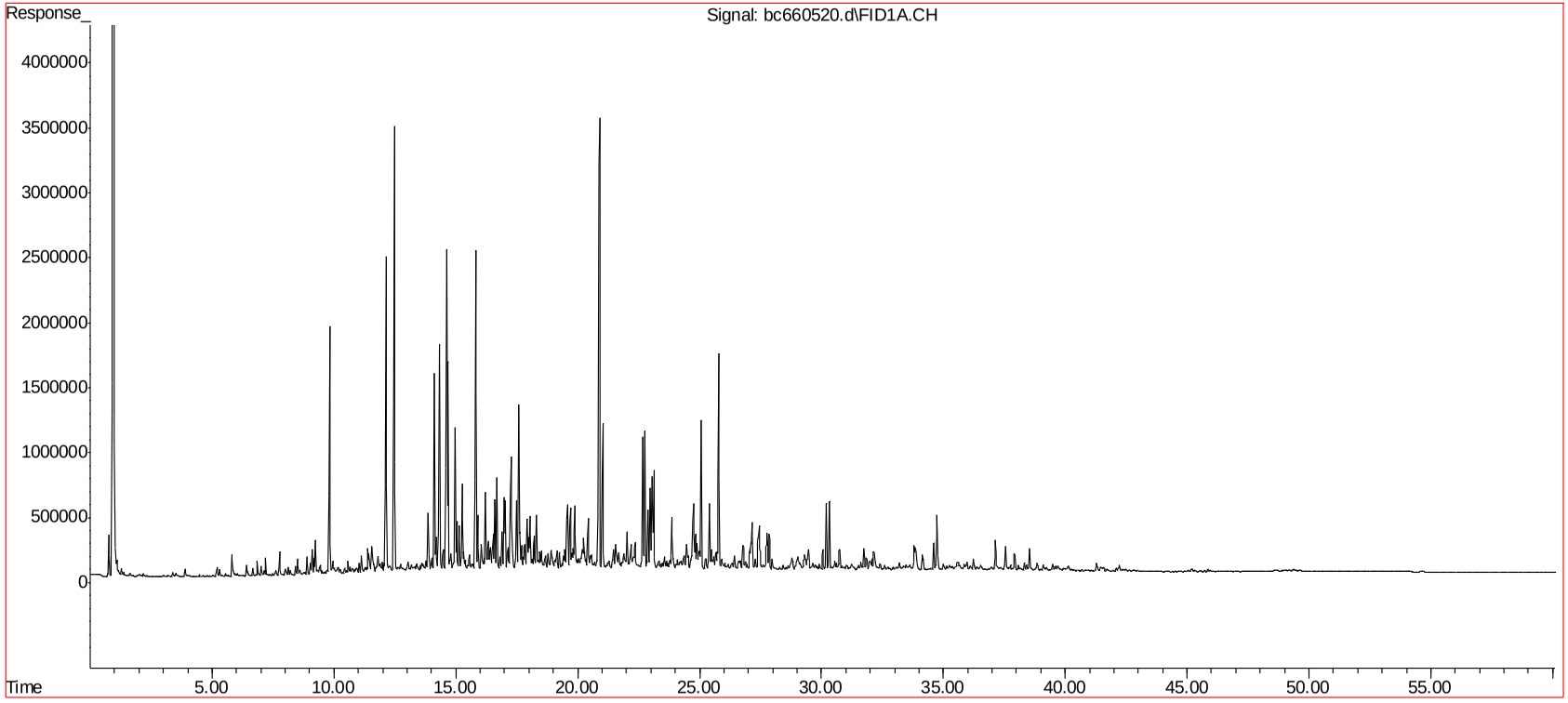
(f)=RT Delta > 1/2 Window (m)=manual int.

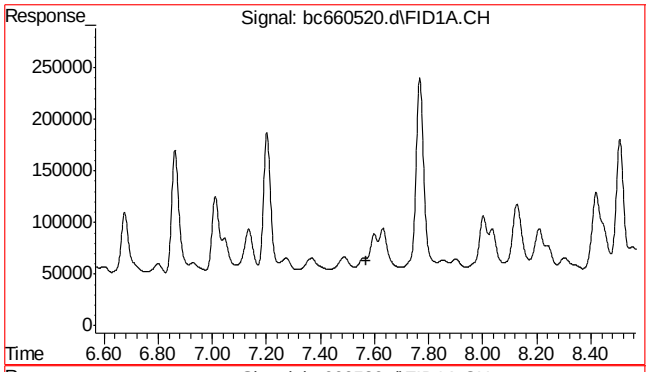
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660520.d
Signal(s) : FID1A.CH
Acq On : 30-Apr-14, 03:44:17
Operator : kimmien
Sample : mc30024-17a,op37816
Misc : op37816,gbc3617,1.96,,,10,,
ALS Vial : 34 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:21:59 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

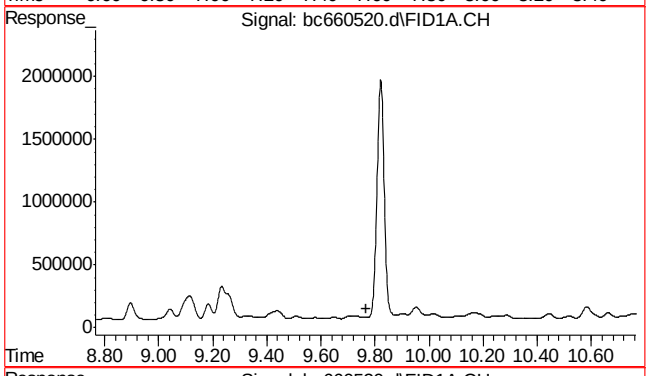
Volume Inj. :
Signal Phase :
Signal Info :





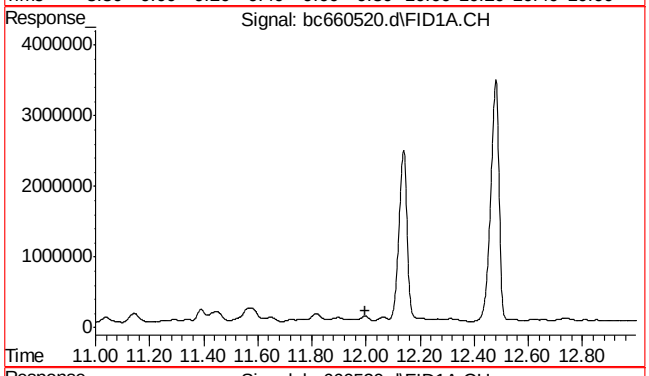
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



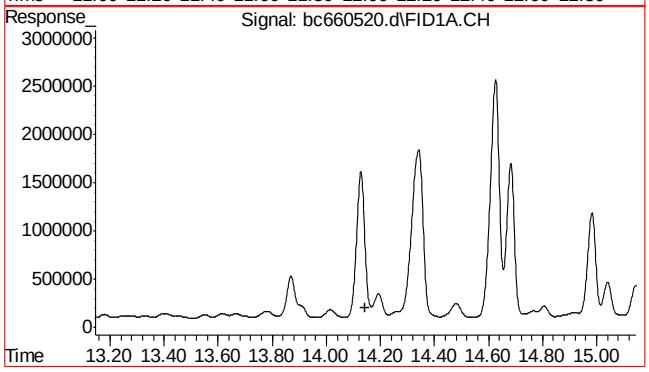
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



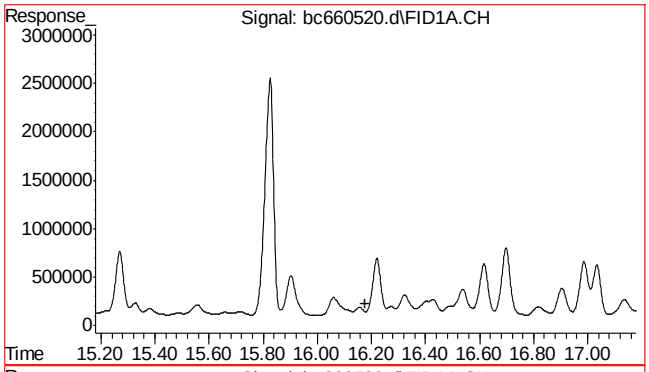
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



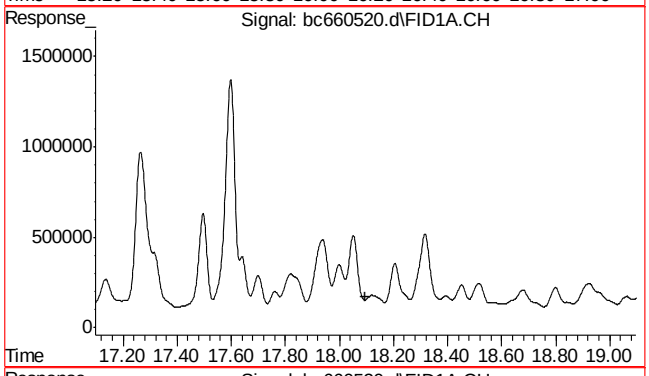
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



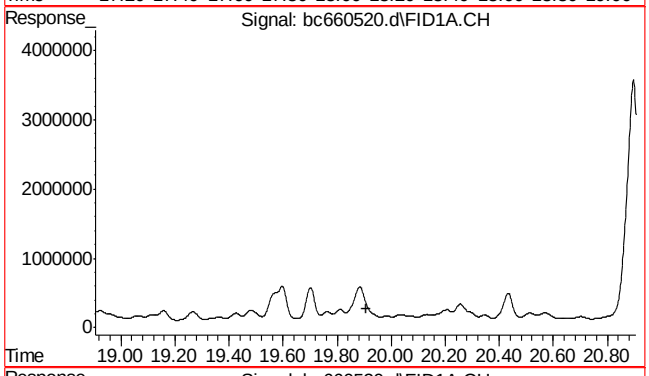
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



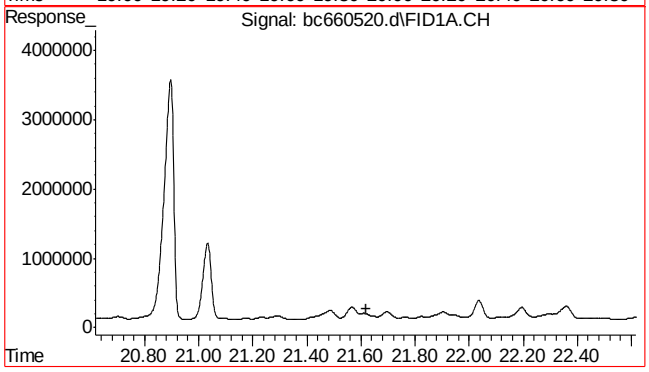
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



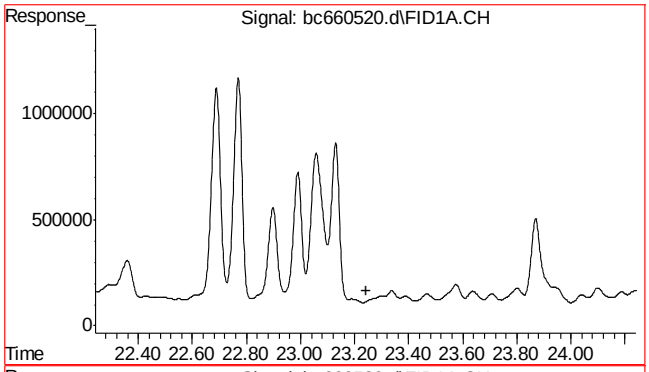
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



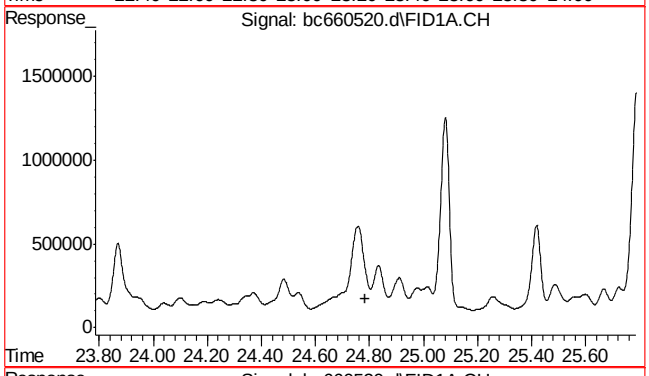
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



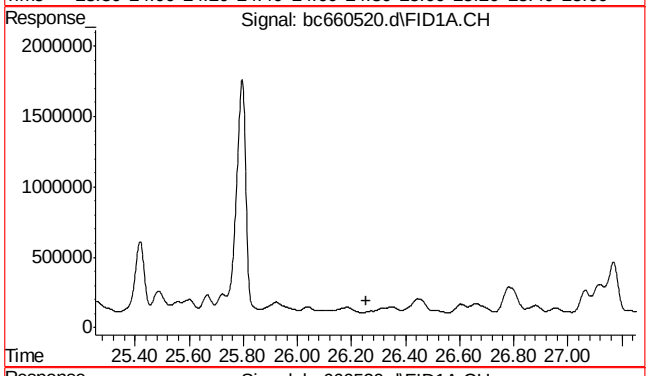
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



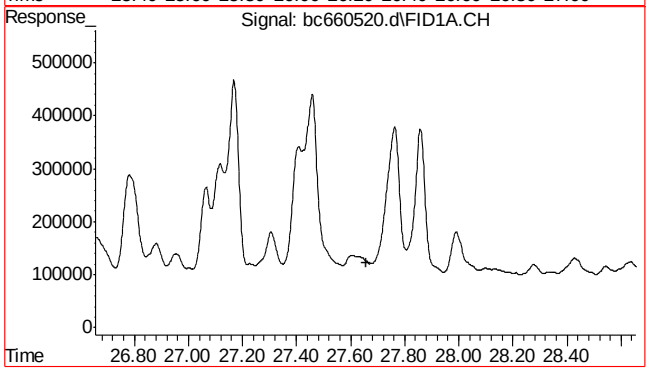
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



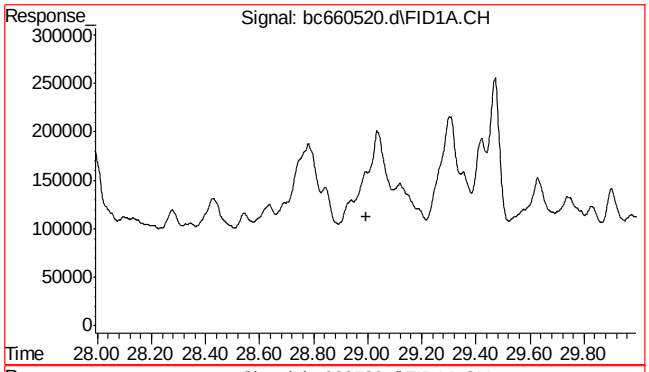
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



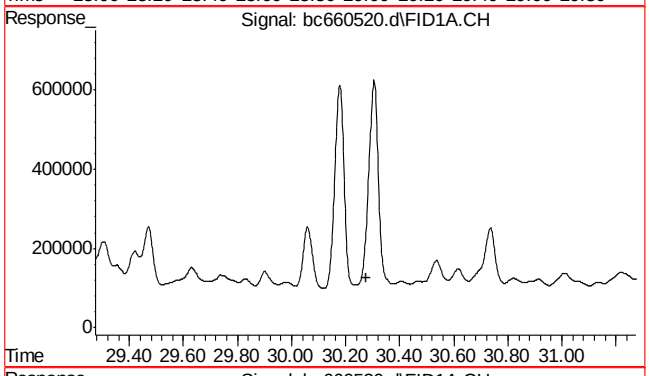
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



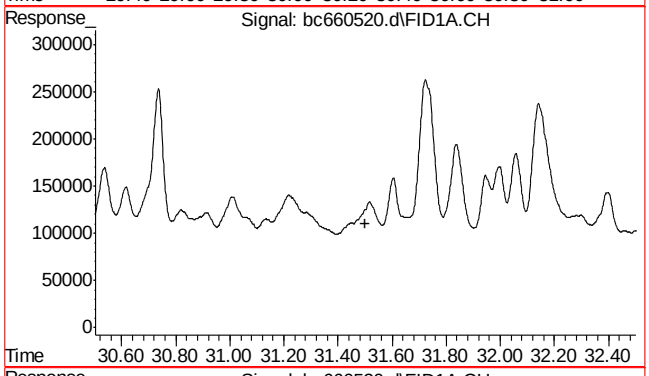
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



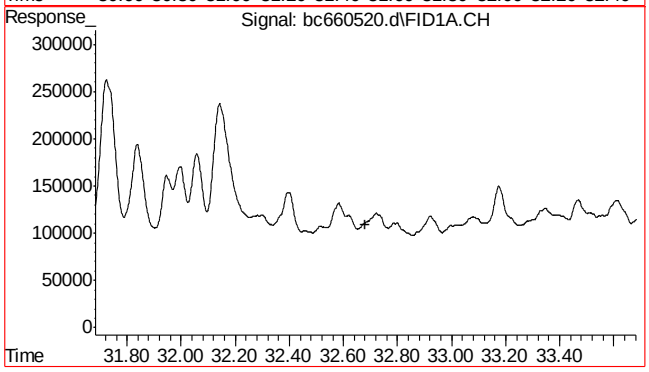
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



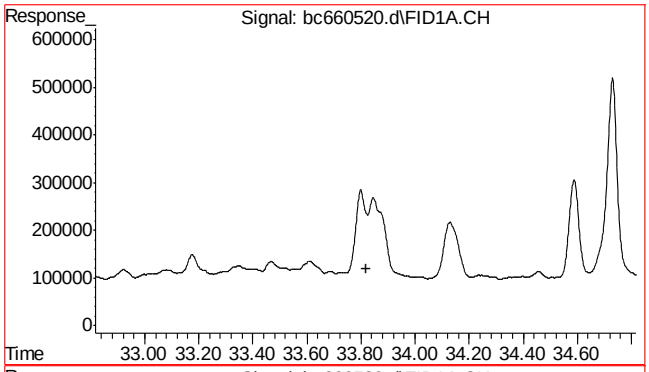
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



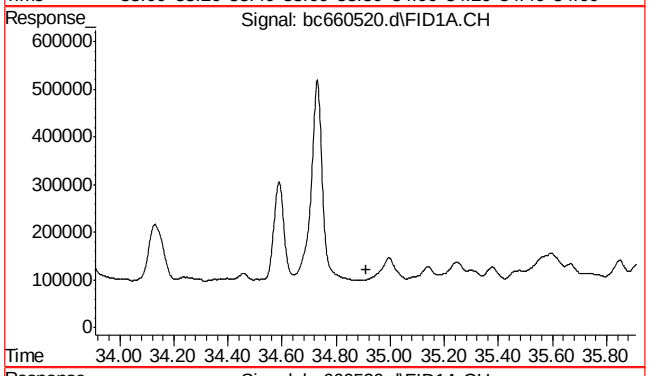
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



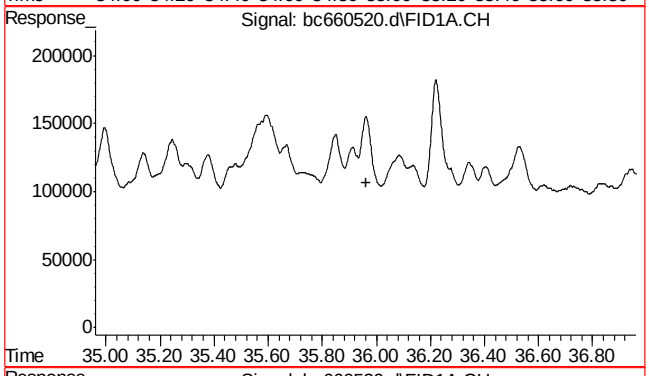
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



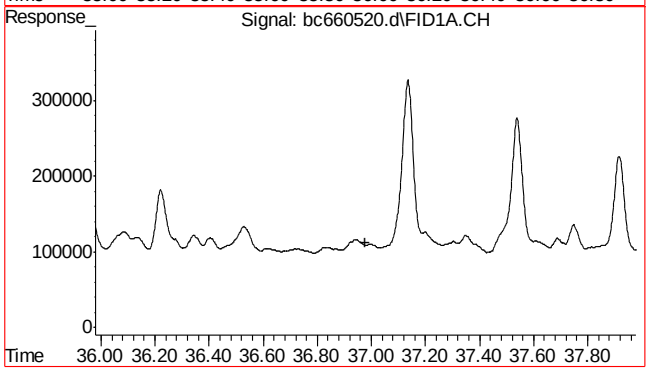
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



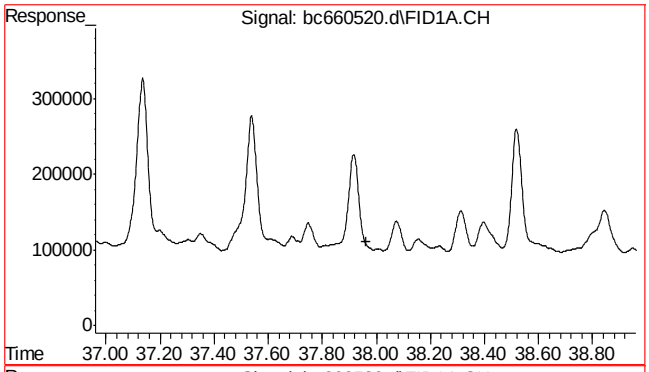
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



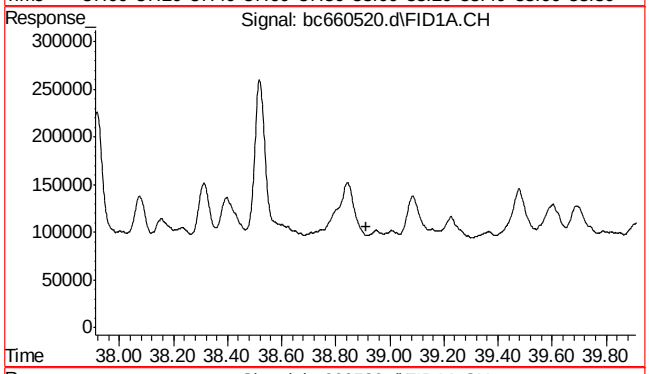
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



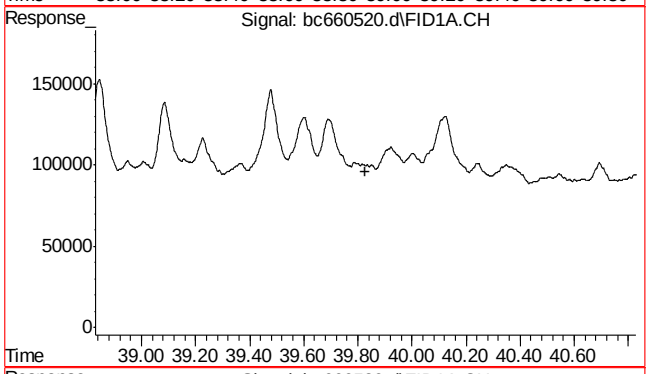
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



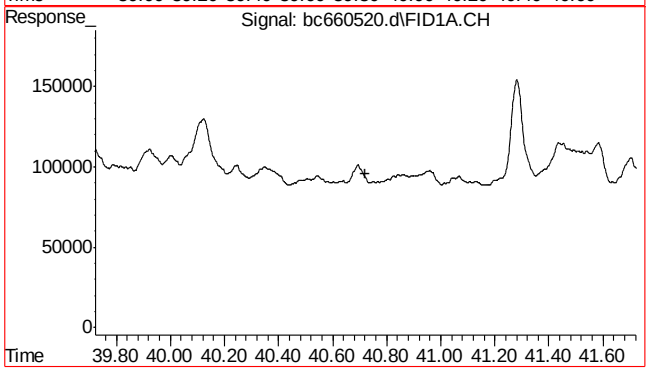
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



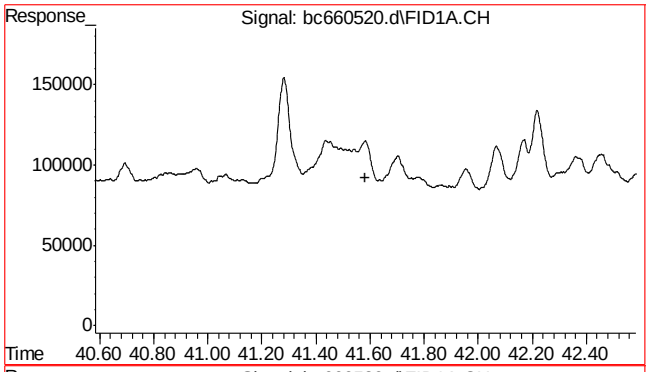
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



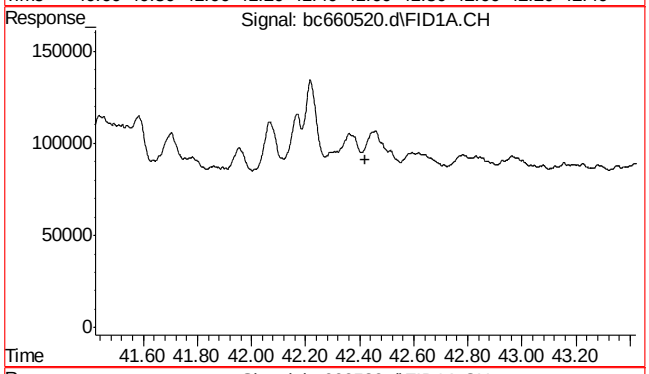
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



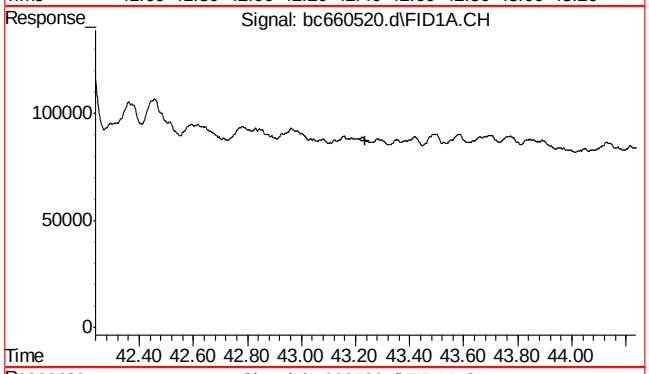
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



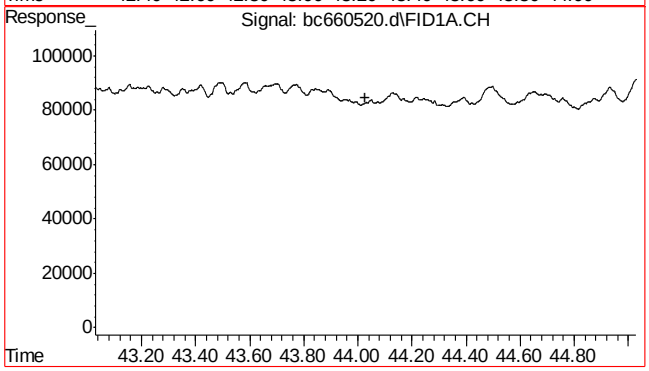
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



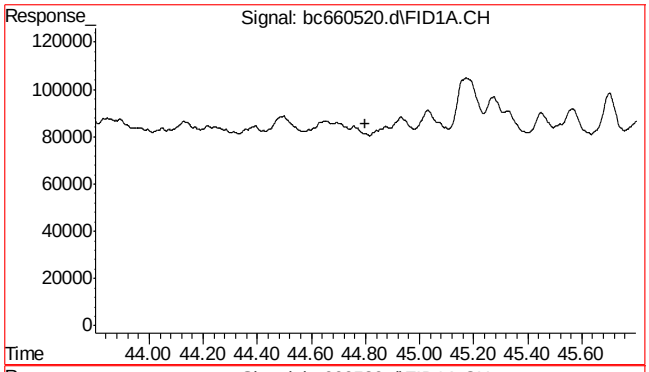
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



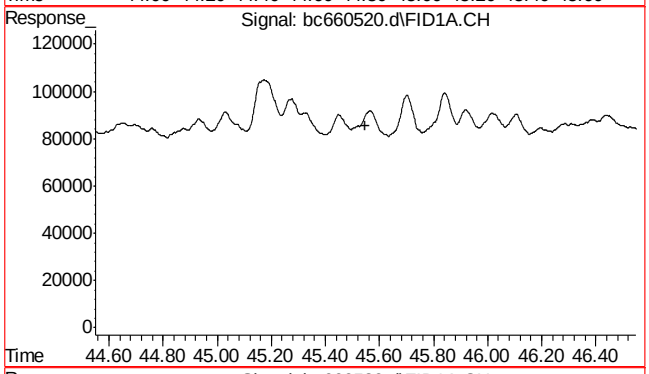
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



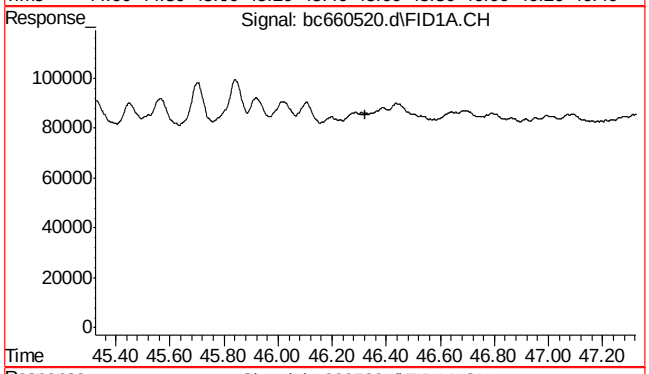
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



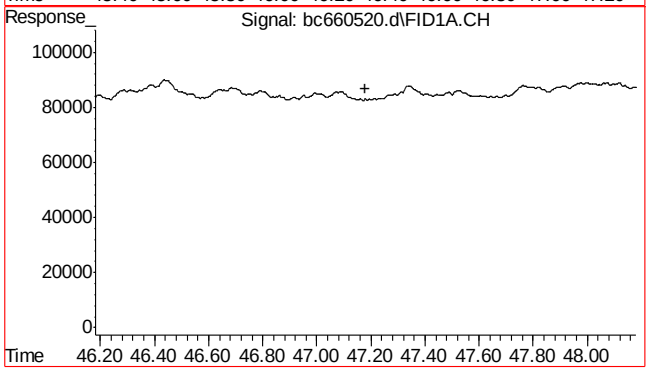
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



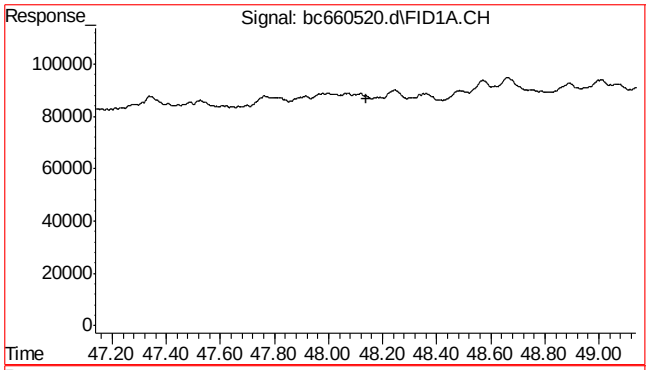
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



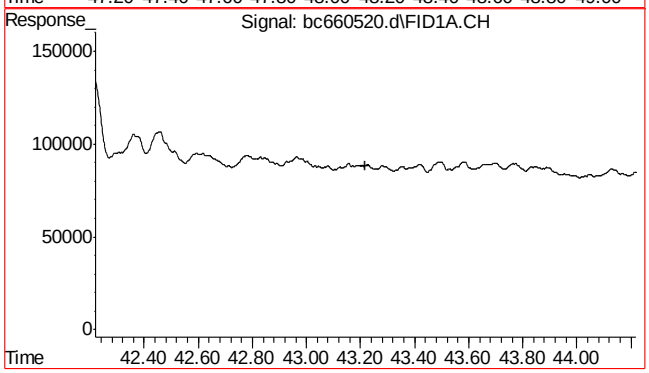
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660484.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 05:45:54
Operator : kimmien
Sample : mc30024-18a,op37816
Misc : op37816,gbc3617,1.62,,,10,,
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:15:28 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

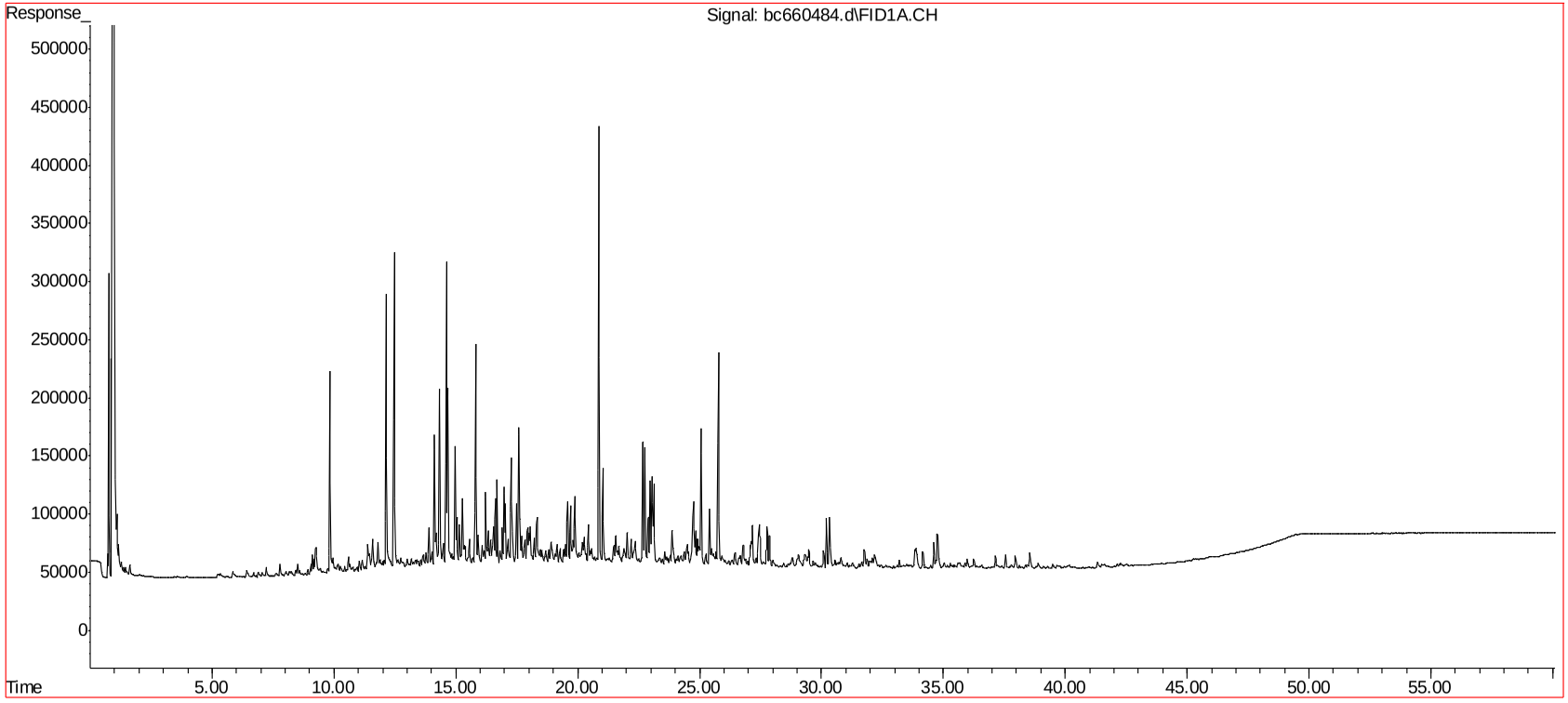
(f)=RT Delta > 1/2 Window (m)=manual int.

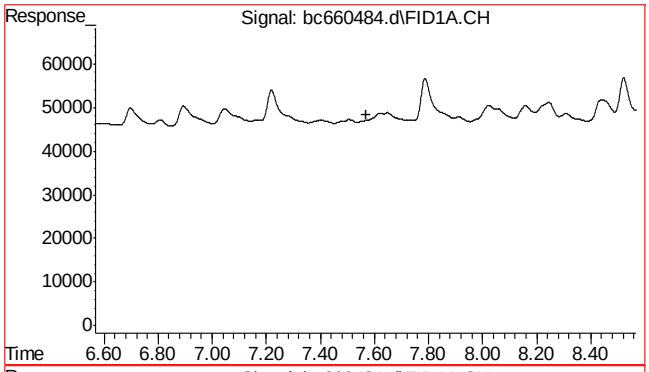
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660484.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 05:45:54
Operator : kimmien
Sample : mc30024-18a,op37816
Misc : op37816,gbc3617,1.62,,,10,,
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:15:28 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

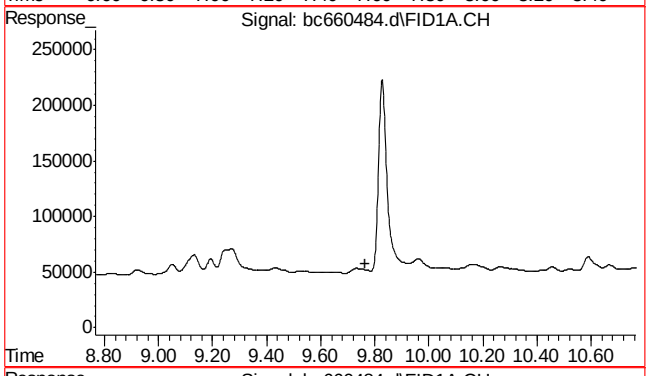
Volume Inj. :
Signal Phase :
Signal Info :





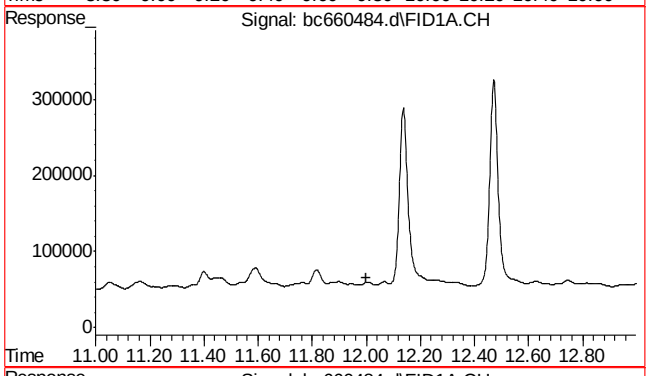
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



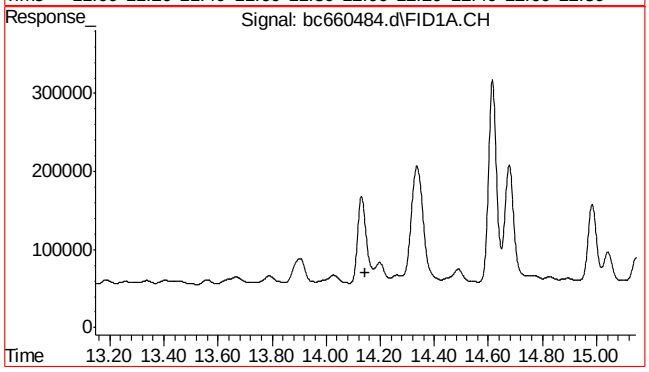
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



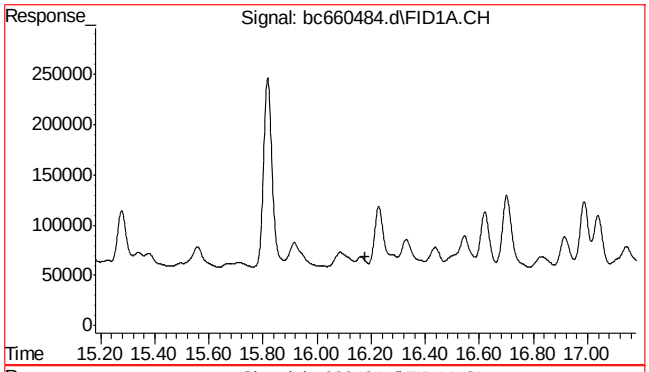
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



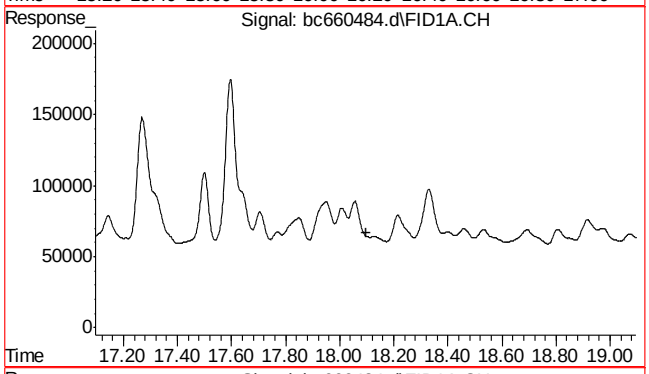
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



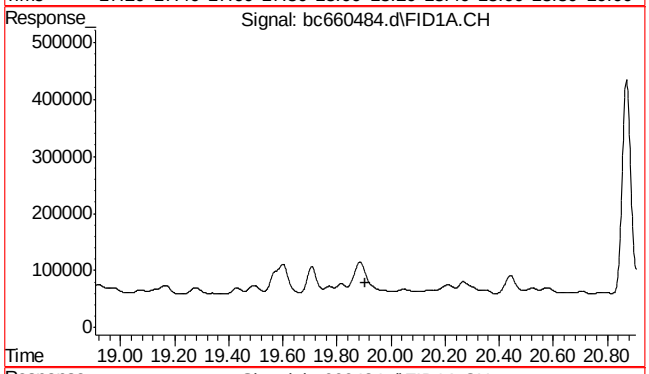
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



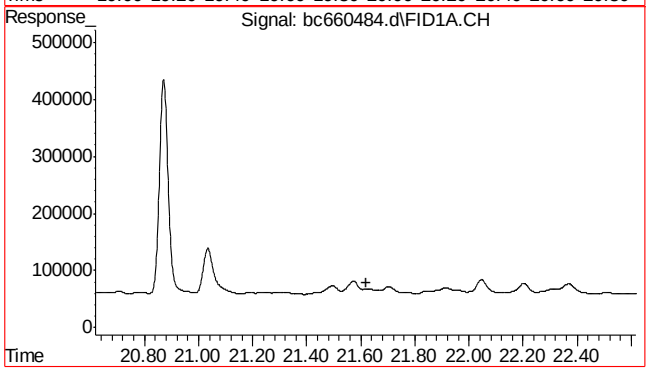
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



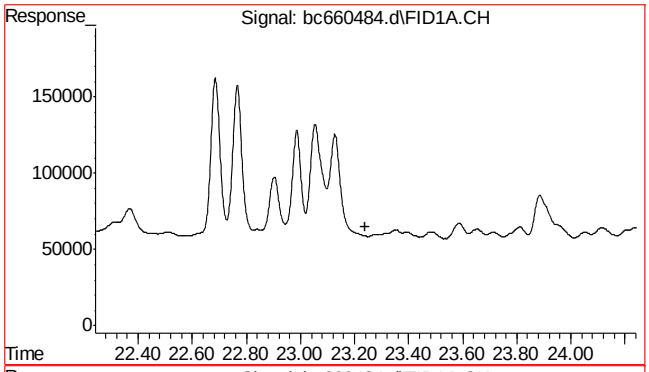
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



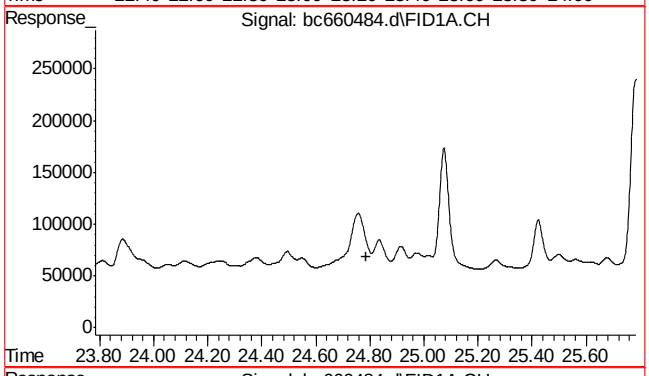
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



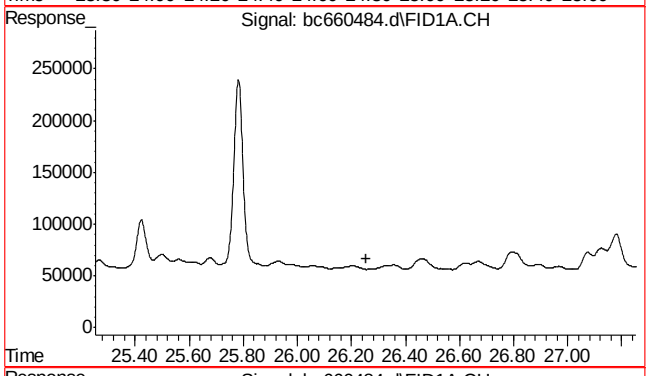
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



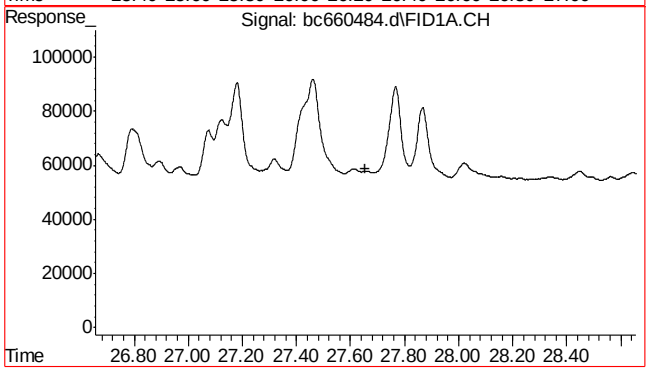
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



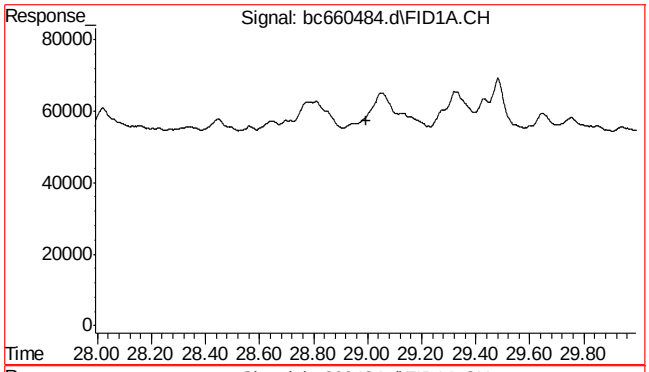
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



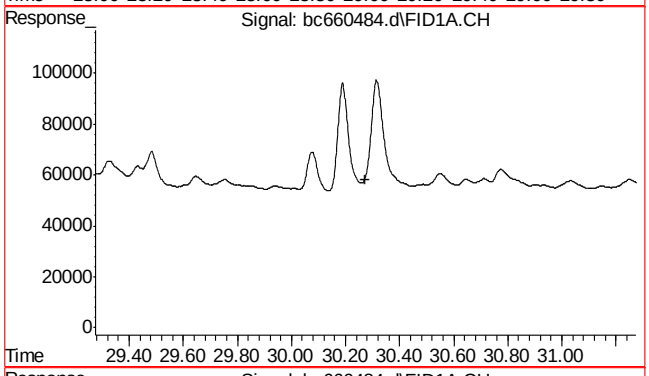
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



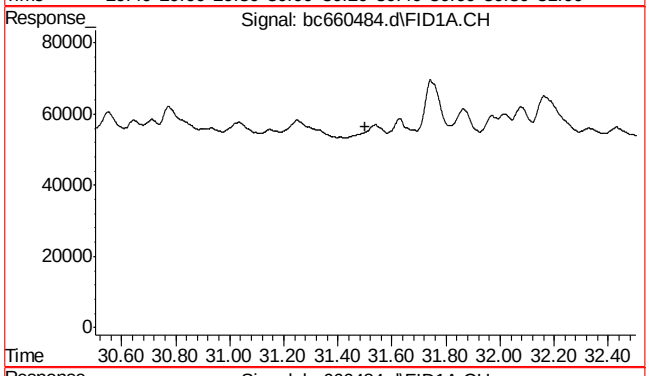
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



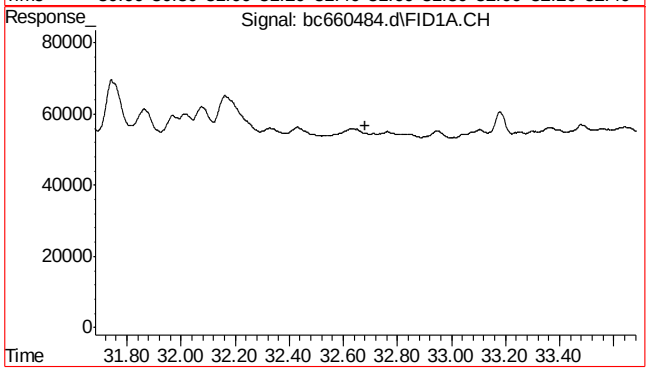
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



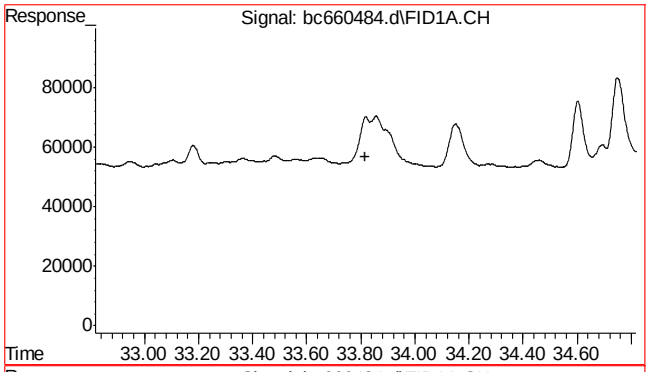
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



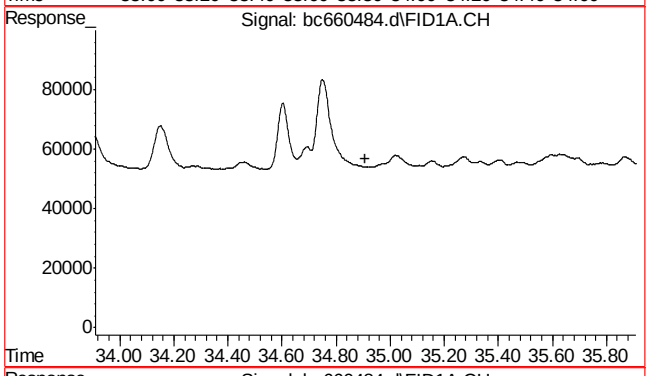
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



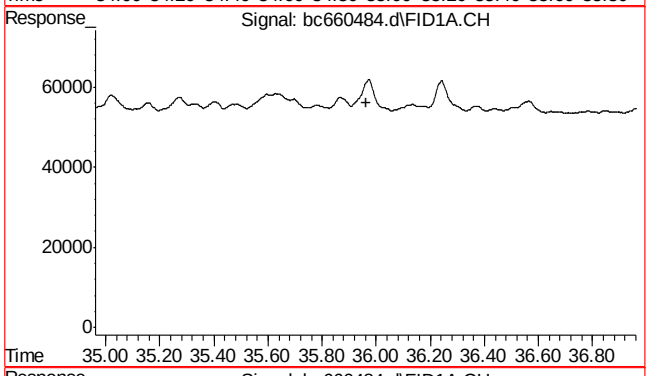
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



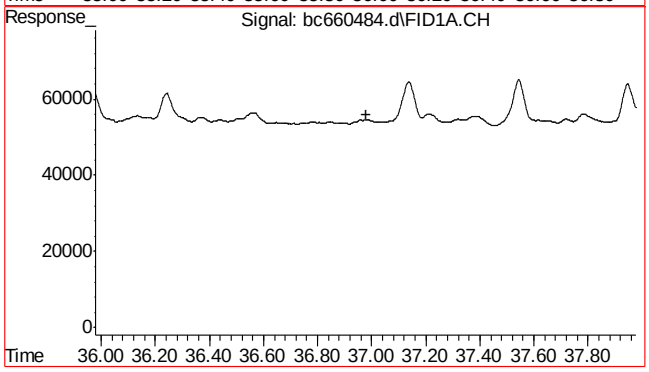
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



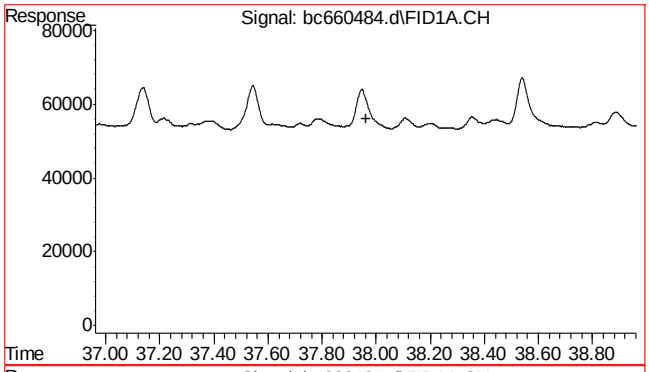
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



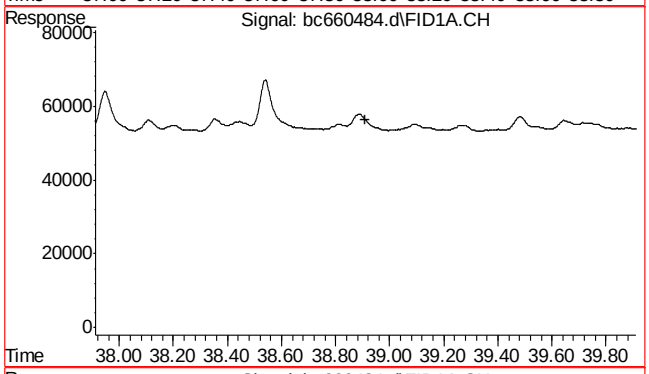
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



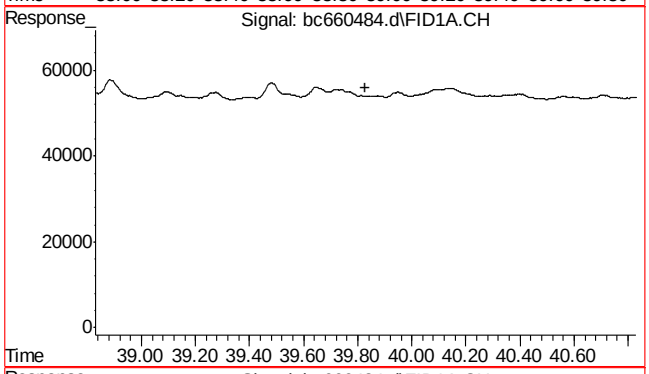
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



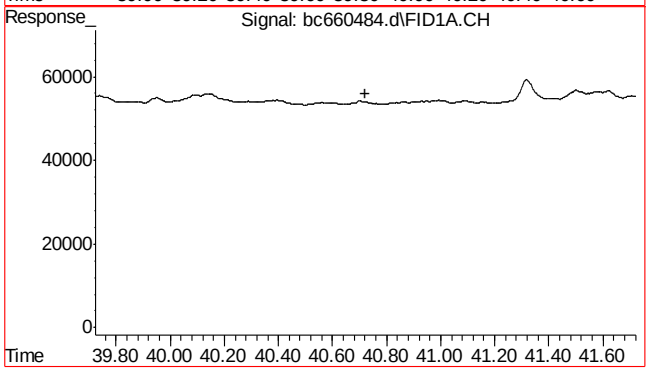
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



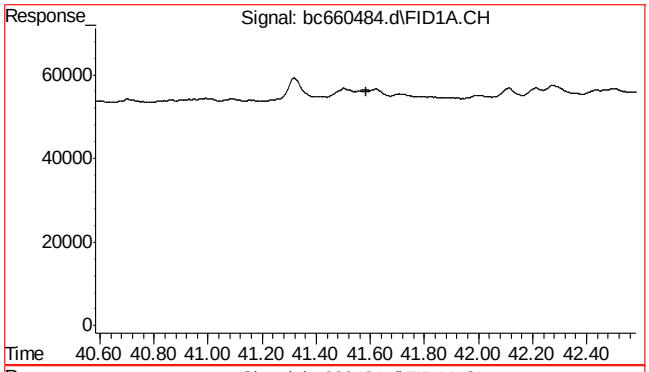
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



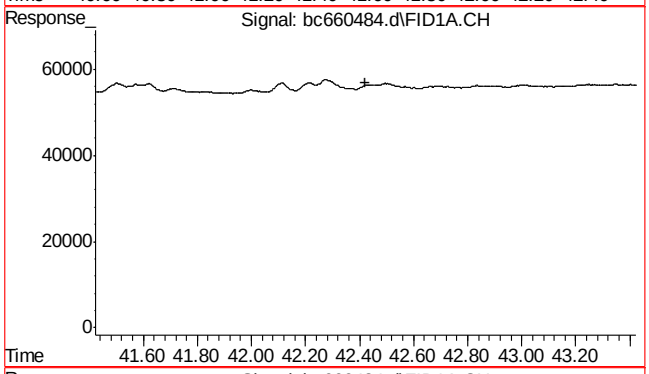
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



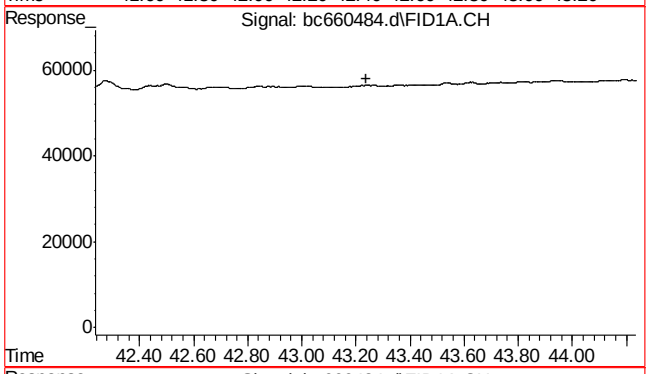
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



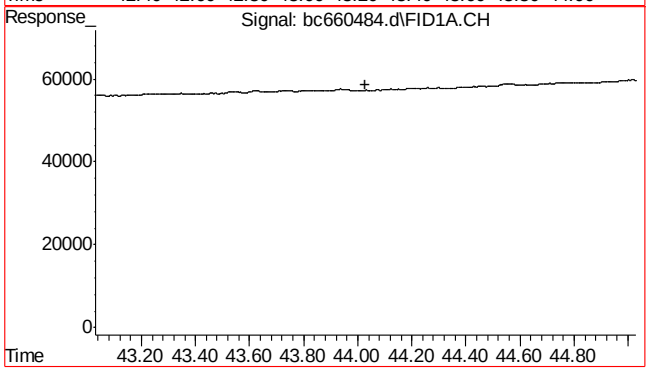
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



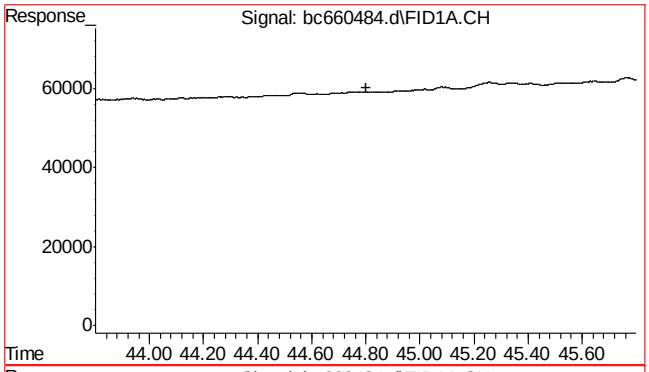
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



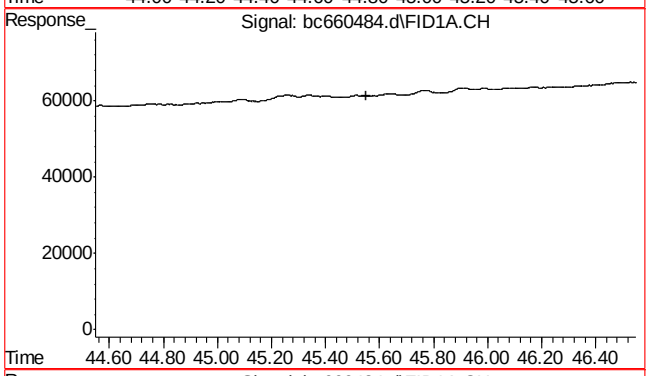
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



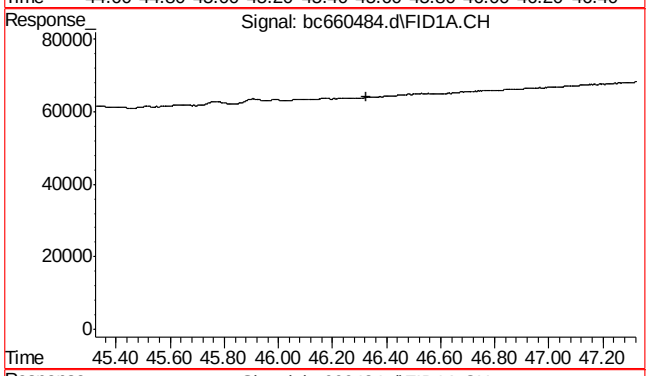
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



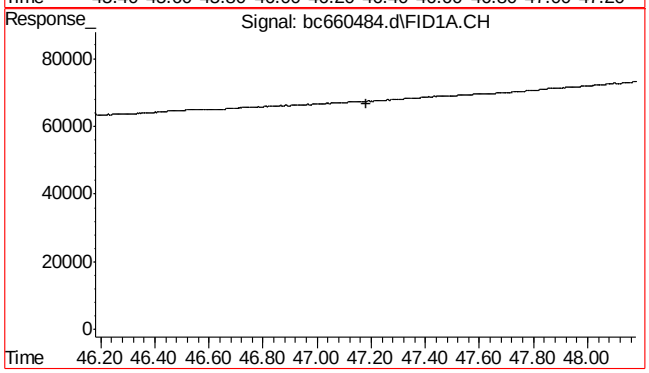
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



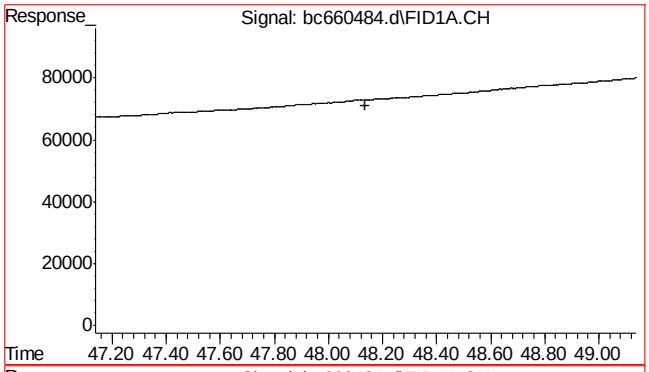
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



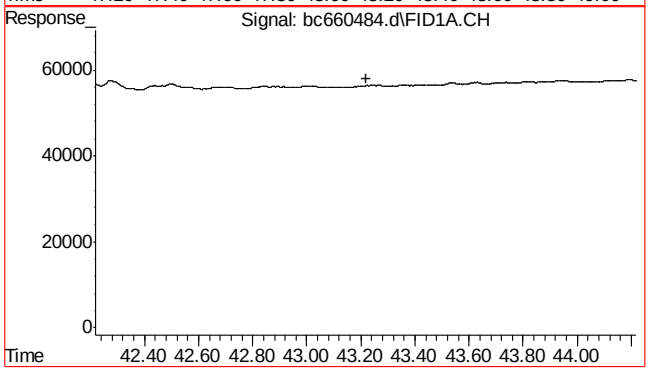
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660512.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 22:53:30
Operator : kimmien
Sample : mc30024-19a,op37816
Misc : op37816,gbc3617,1.40,,,10,,
ALS Vial : 30 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:20:31 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

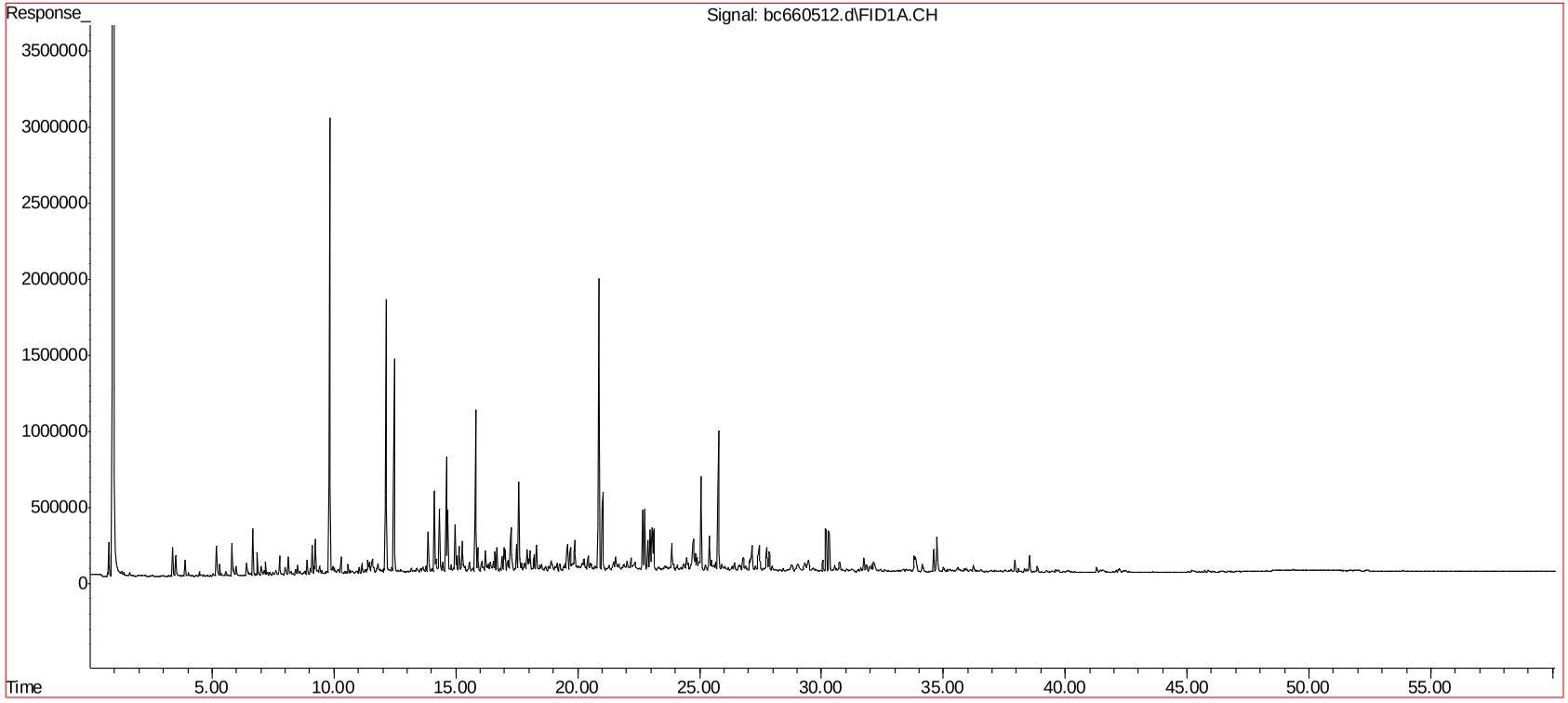
(f)=RT Delta > 1/2 Window (m)=manual int.

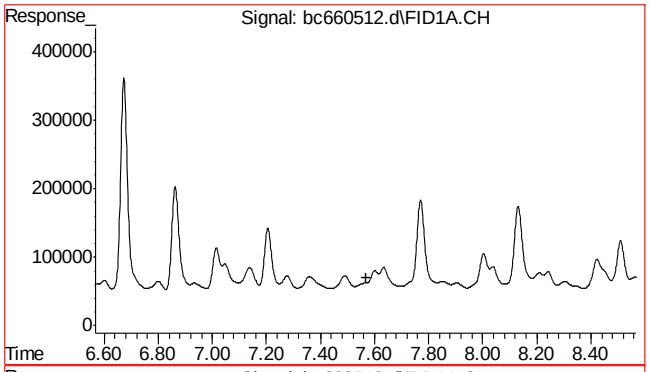
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660512.d
Signal(s) : FID1A.CH
Acq On : 29-Apr-14, 22:53:30
Operator : kimmien
Sample : mc30024-19a,op37816
Misc : op37816,gbc3617,1.40,,,10,,
ALS Vial : 30 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:20:31 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

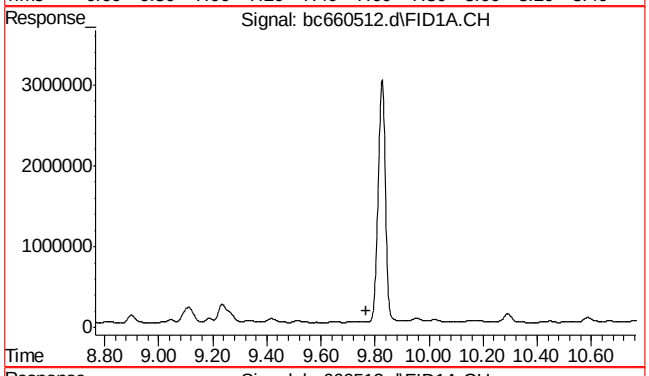
Volume Inj. :
Signal Phase :
Signal Info :





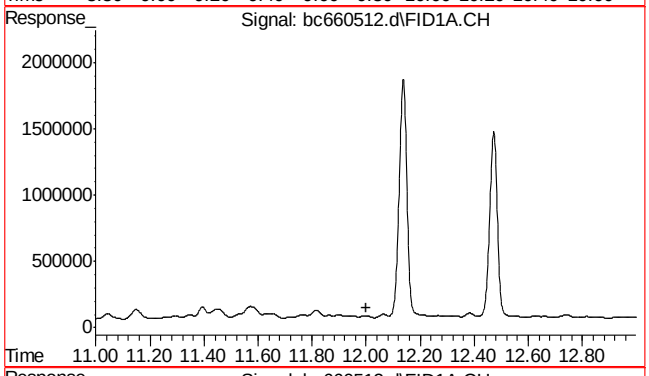
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



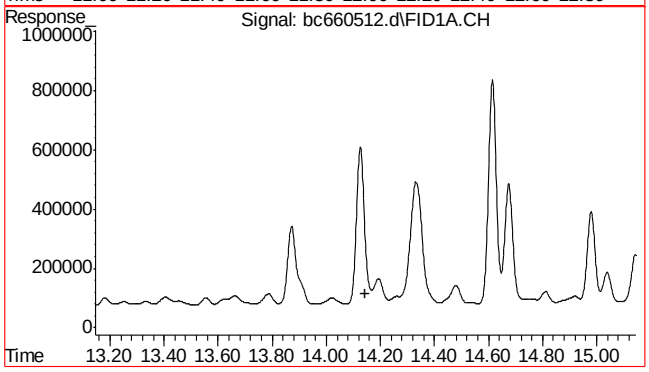
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



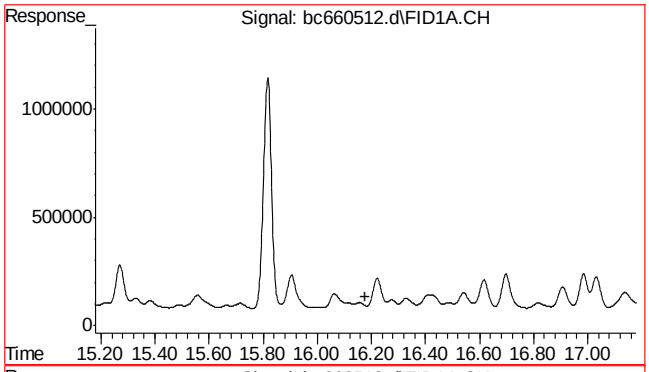
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



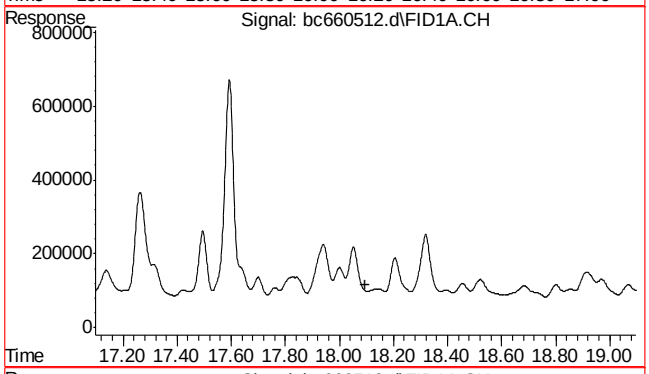
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



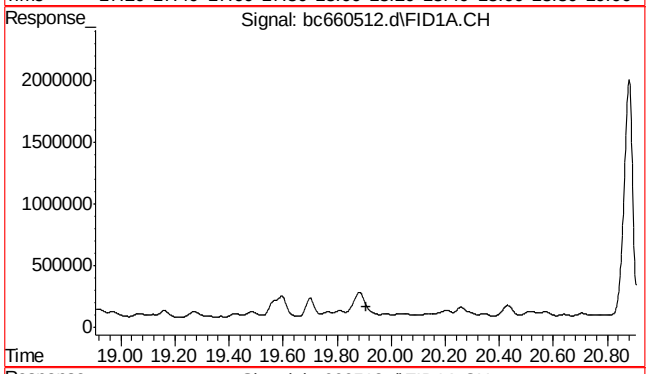
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



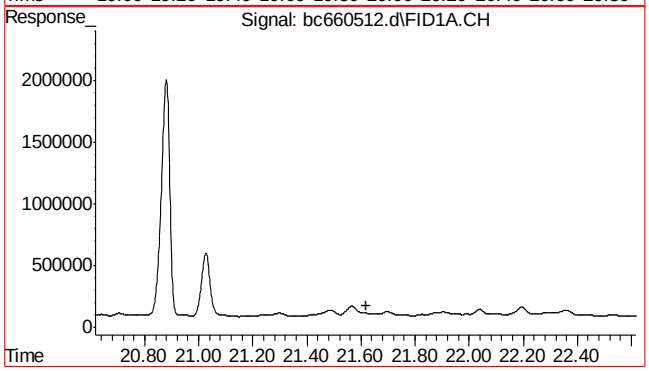
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



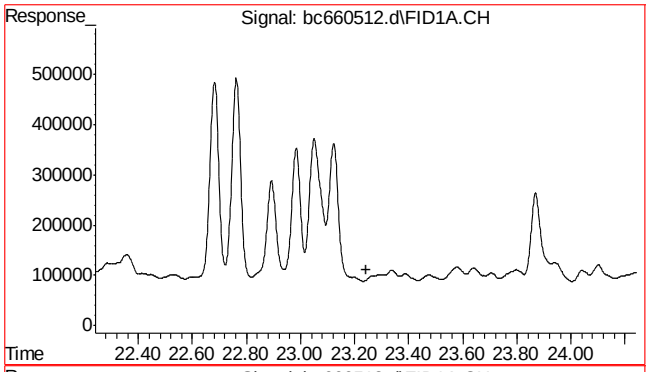
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



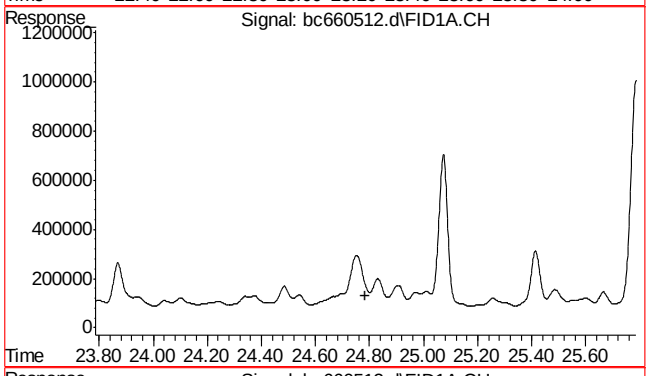
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



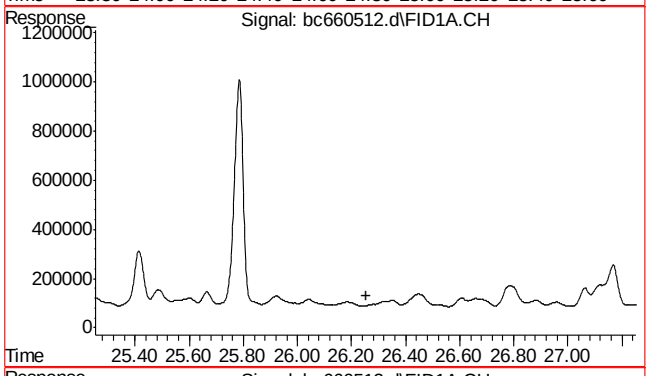
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



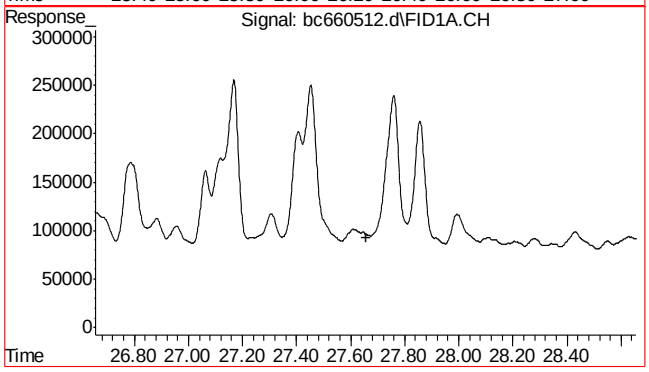
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



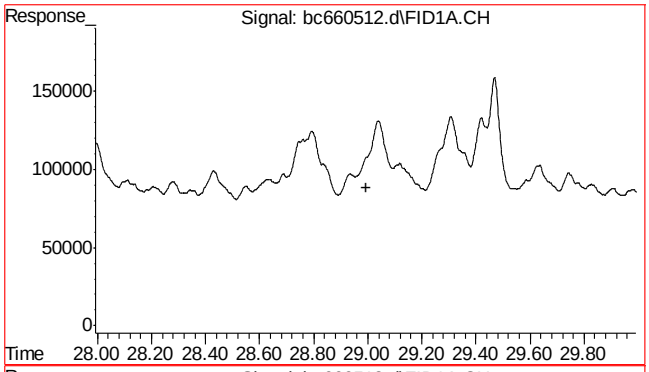
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



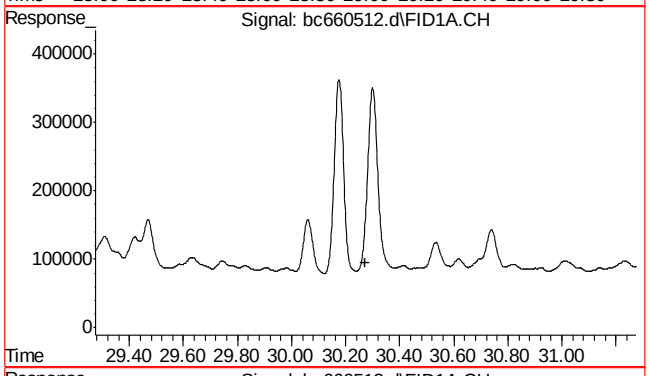
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



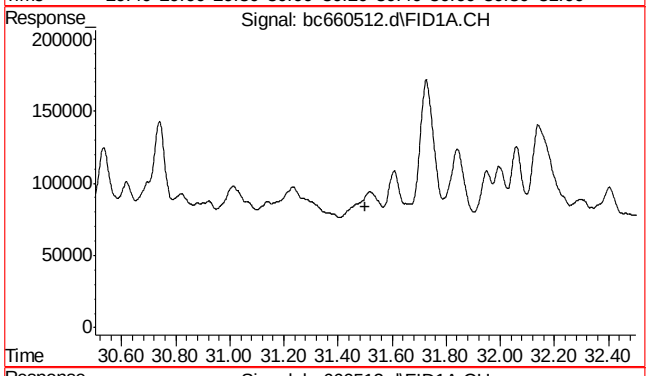
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



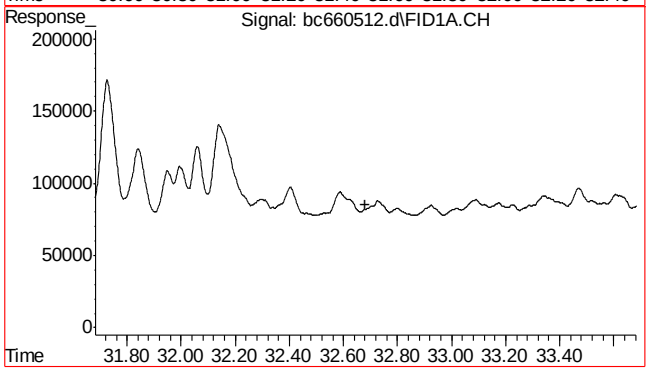
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



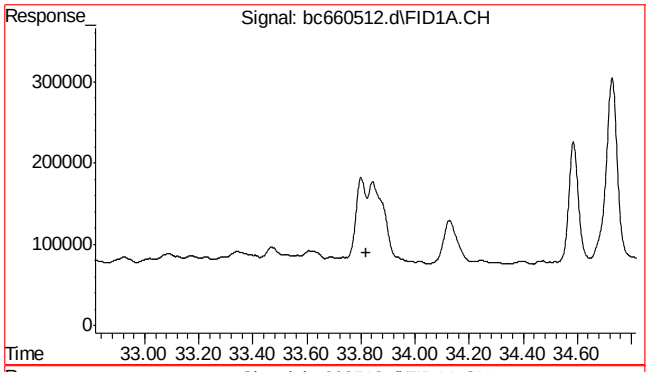
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



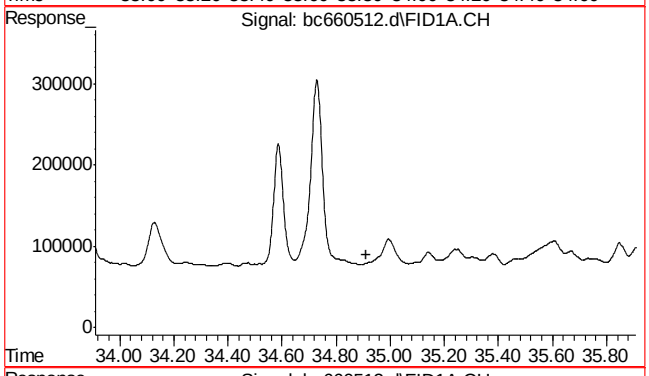
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



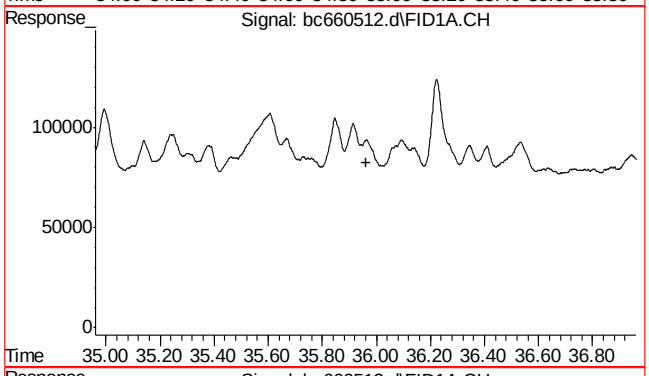
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



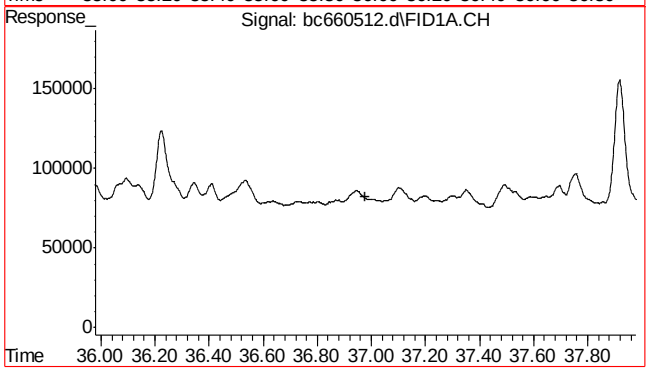
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



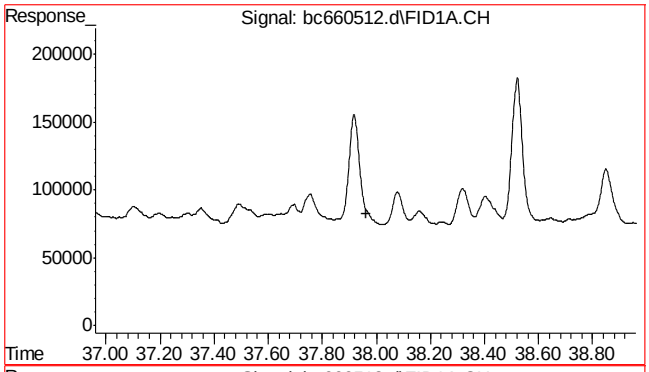
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



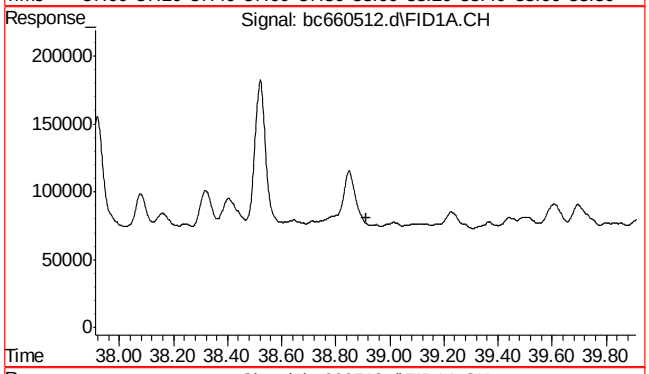
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



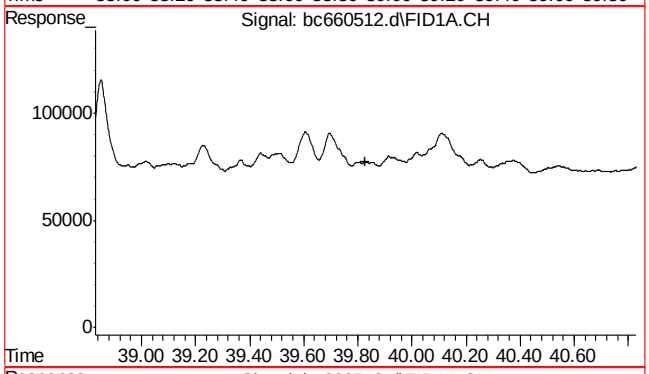
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



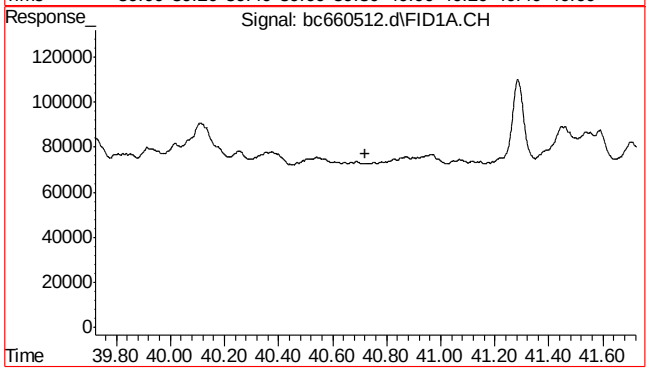
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



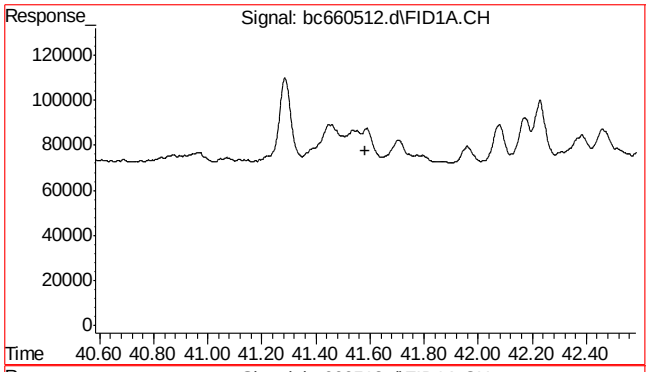
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



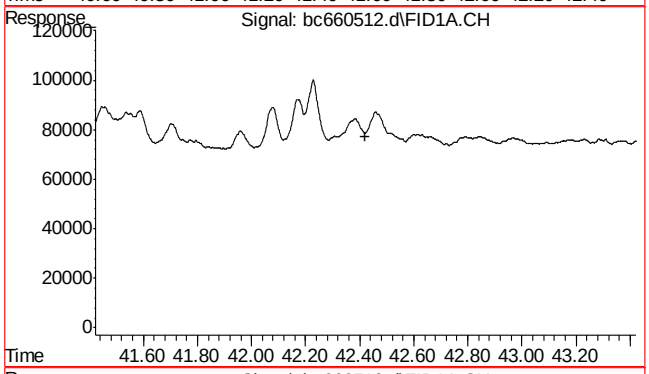
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



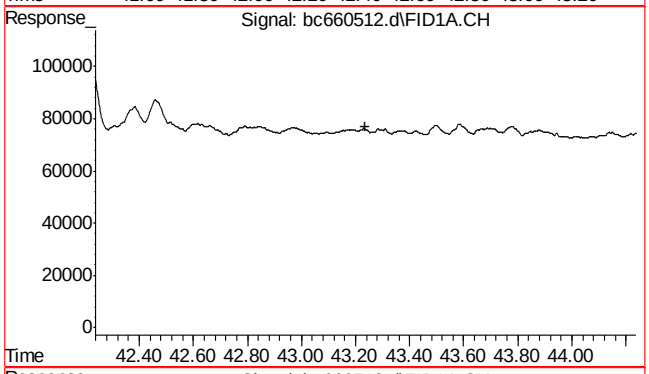
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



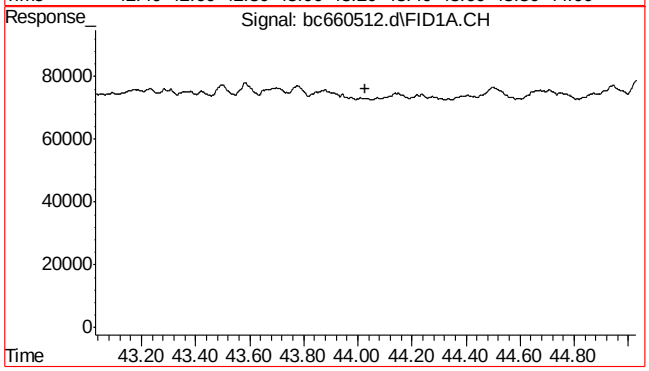
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



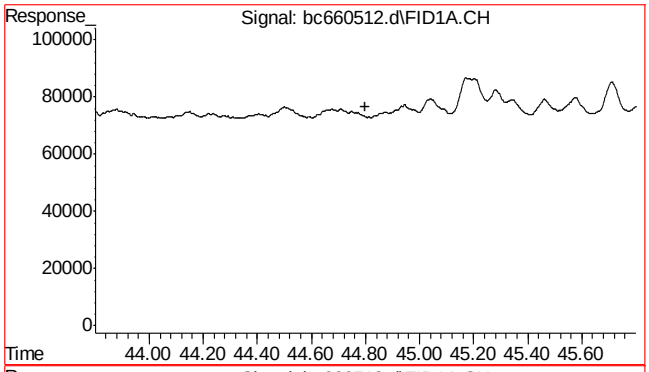
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



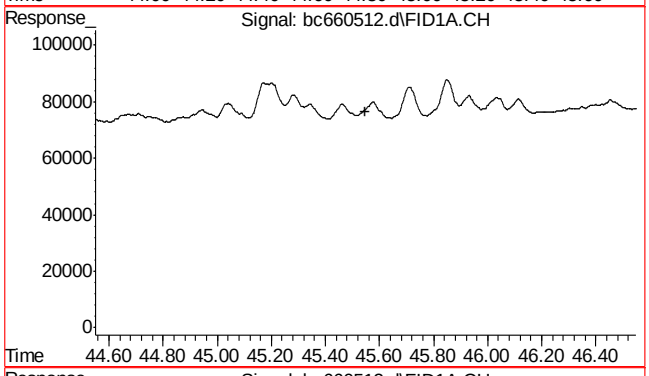
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



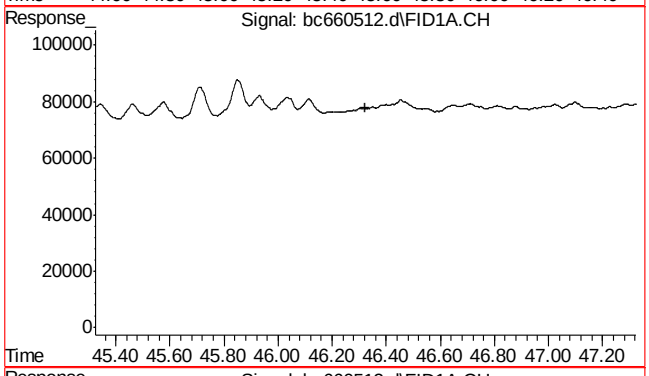
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



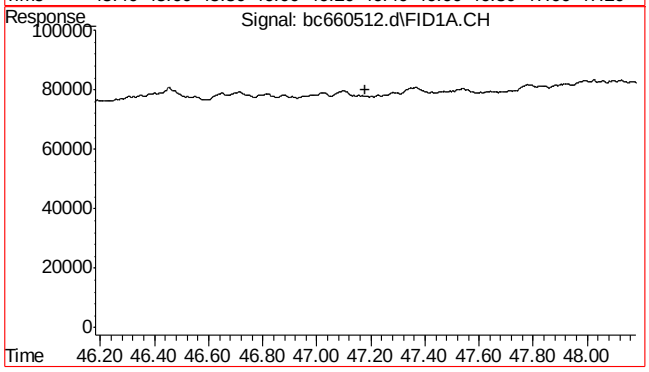
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



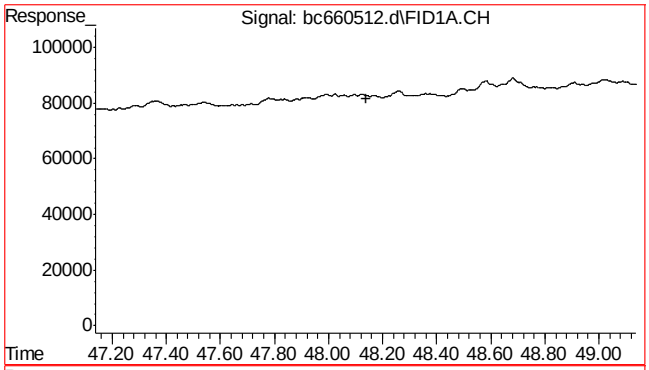
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



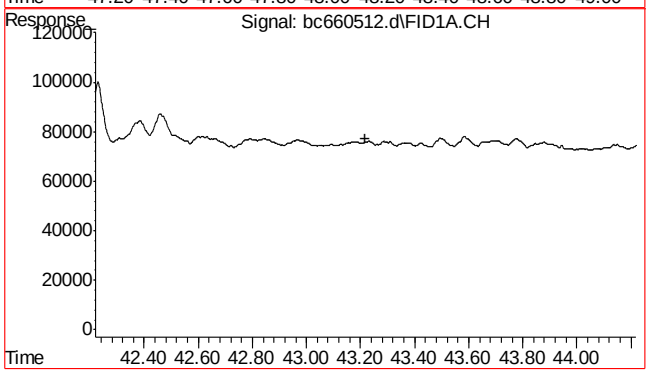
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660472.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 22:21:21
Operator : kimmien
Sample : mc30024-20a,op37816
Misc : op37816,gbc3617,1.74,,,10,,
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:13:13 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

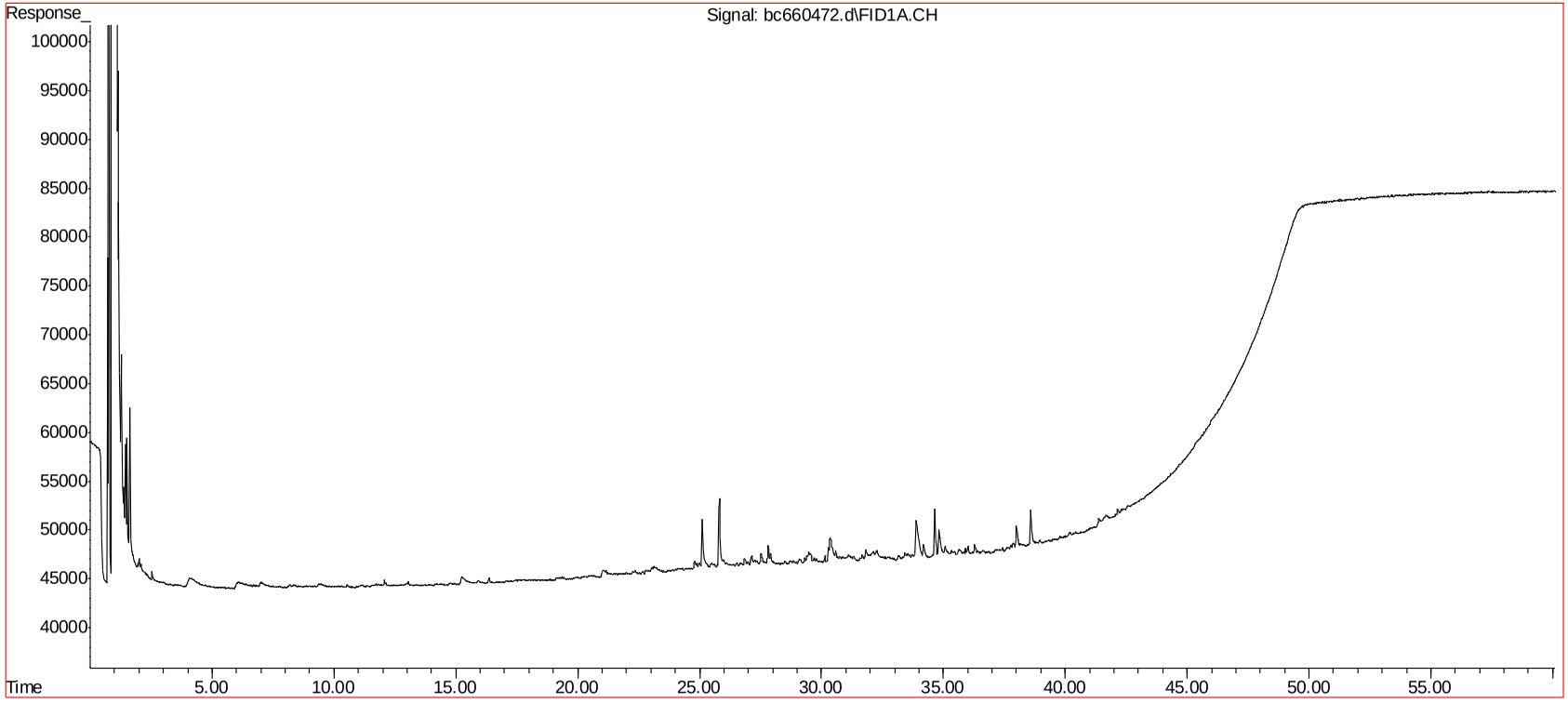
(f)=RT Delta > 1/2 Window (m)=manual int.

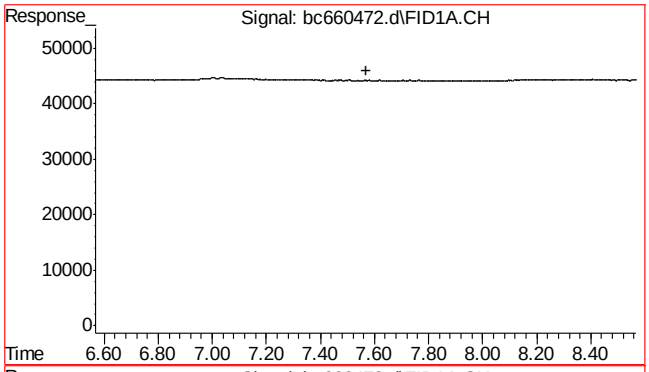
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660472.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 22:21:21
Operator : kimmien
Sample : mc30024-20a,op37816
Misc : op37816,gbc3617,1.74,,,10,,
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:13:13 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

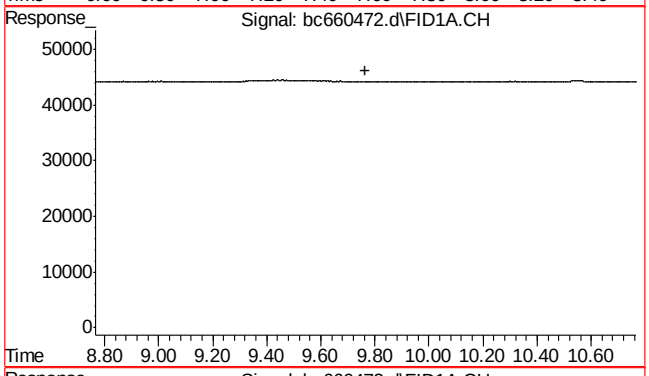
Volume Inj. :
Signal Phase :
Signal Info :





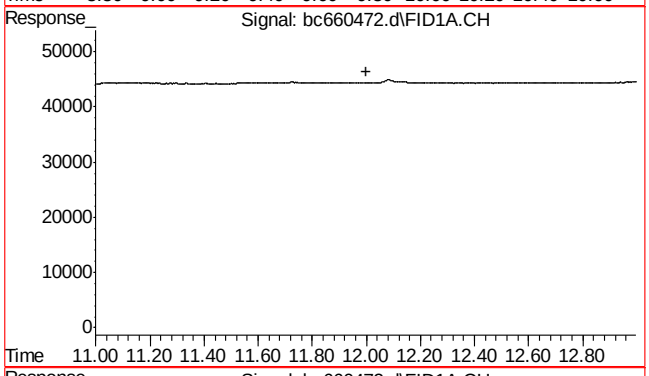
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



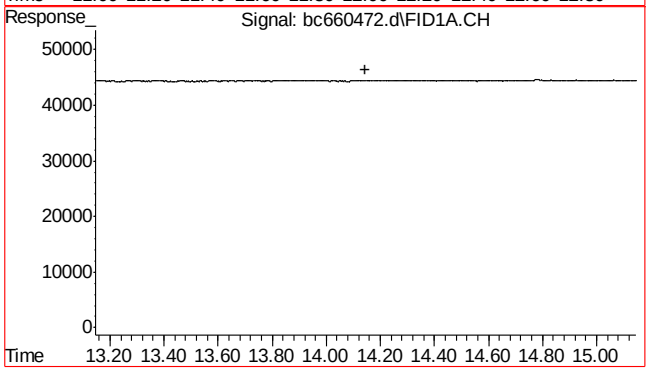
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



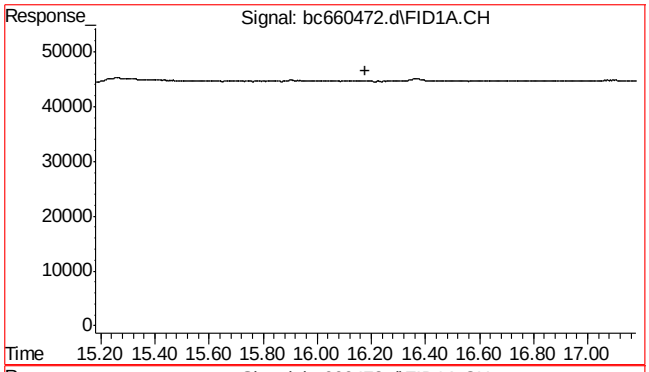
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



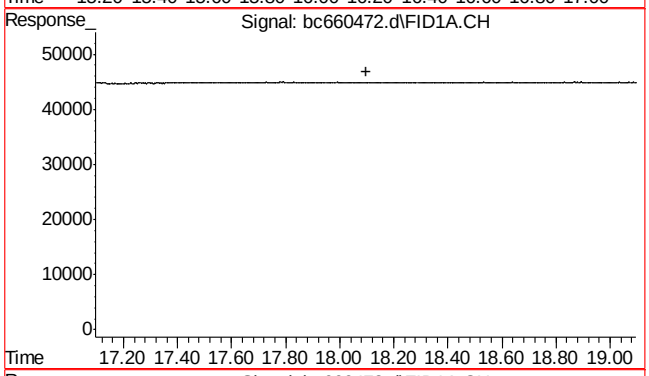
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



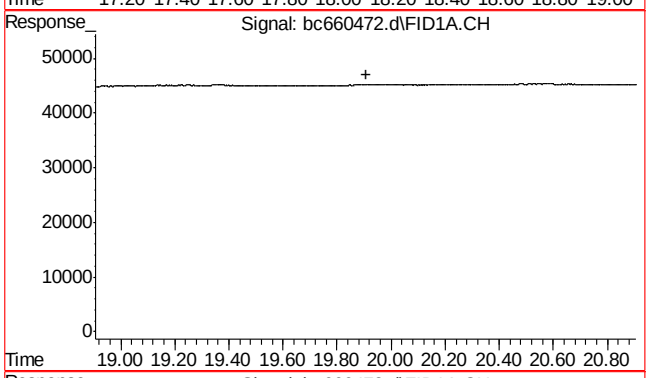
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



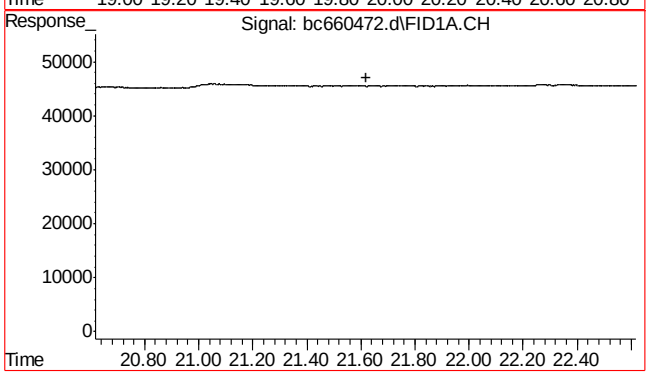
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



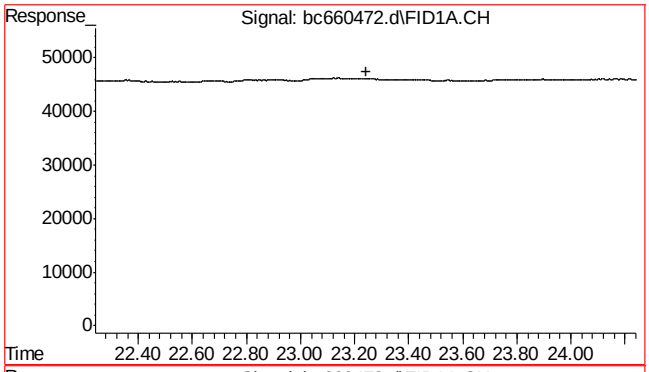
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



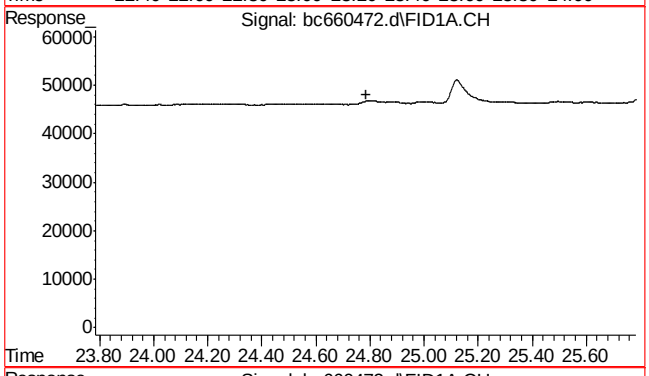
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



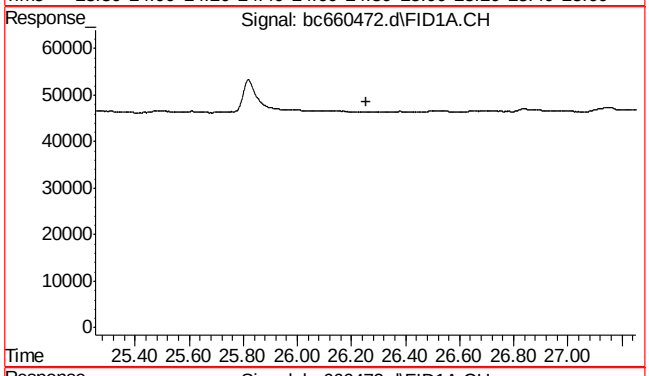
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



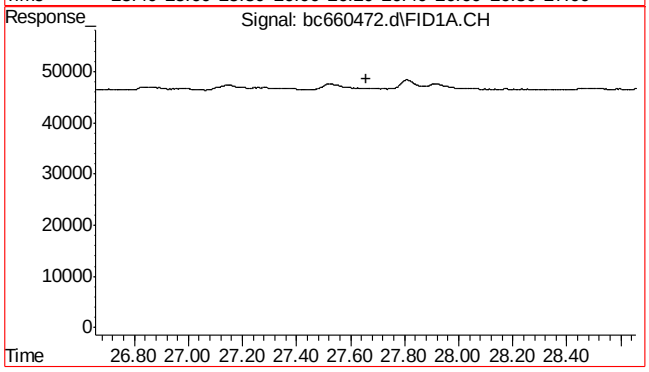
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



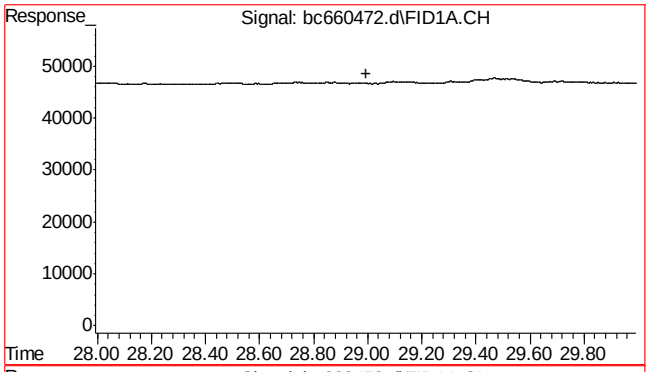
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



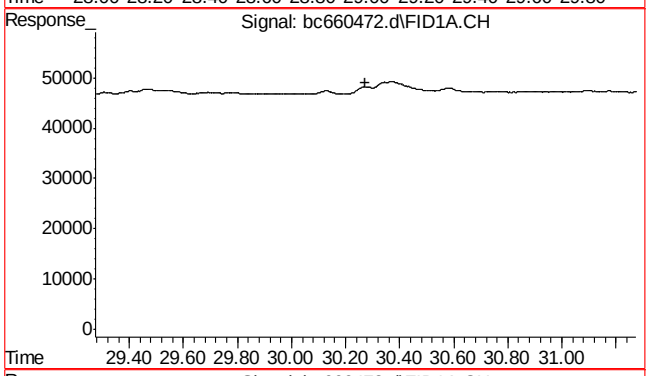
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



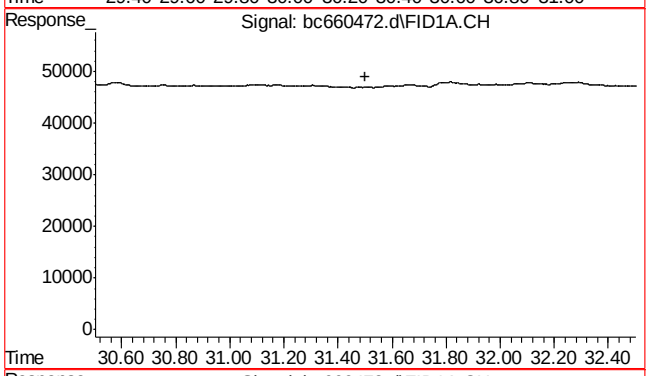
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



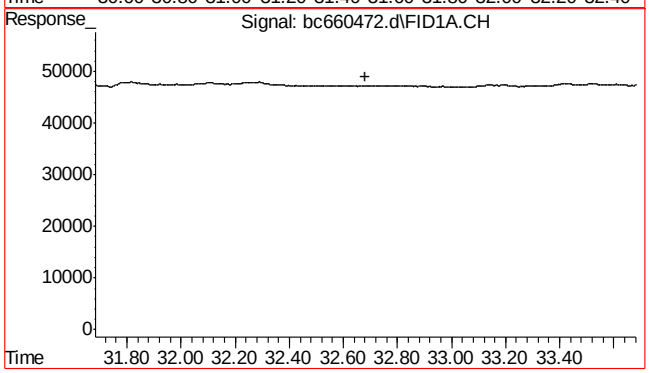
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



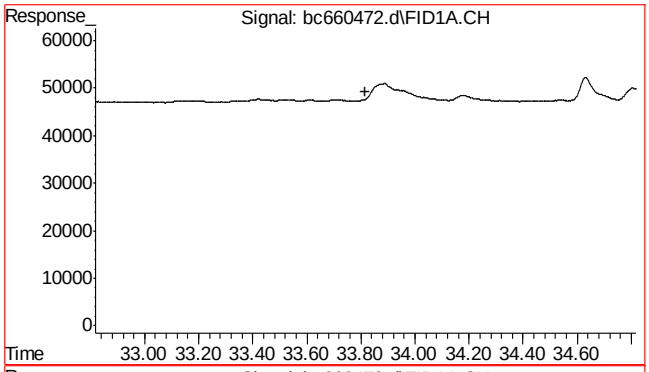
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



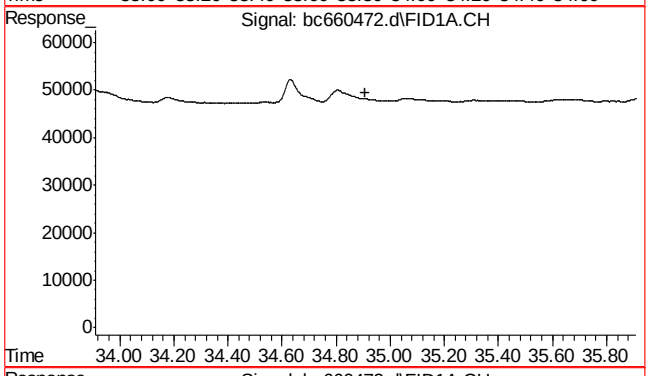
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



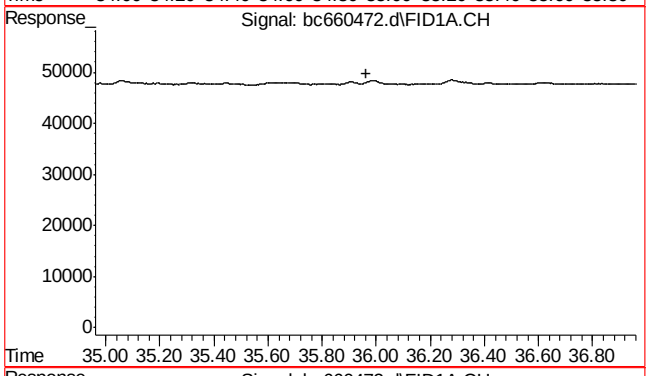
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



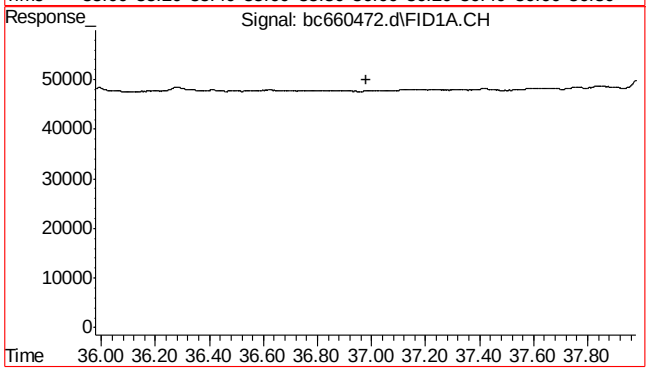
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



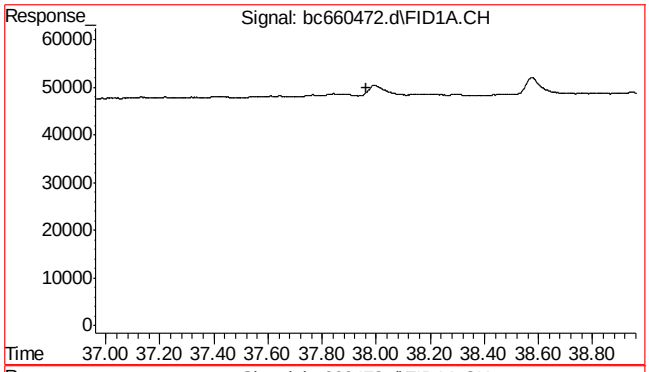
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



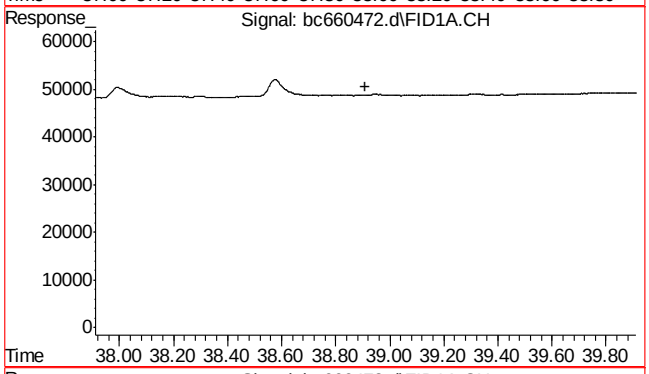
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



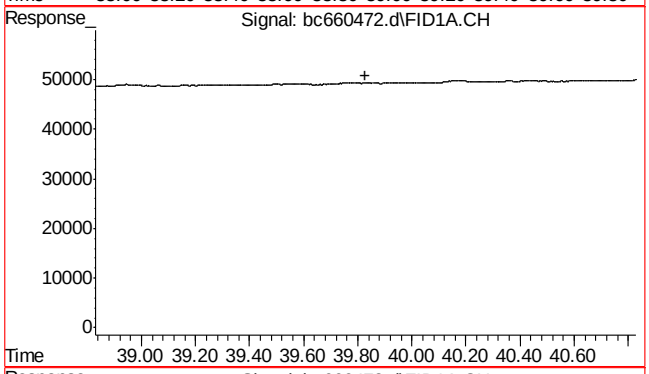
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



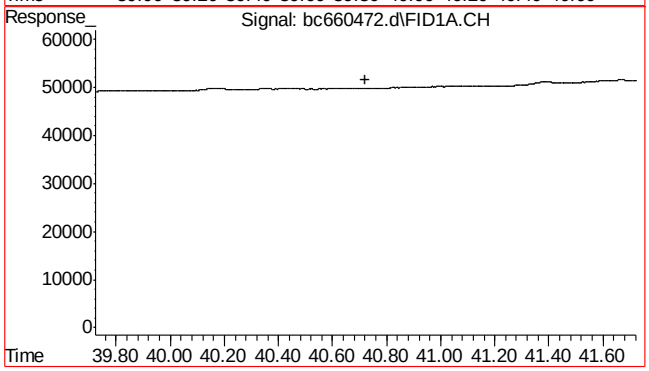
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



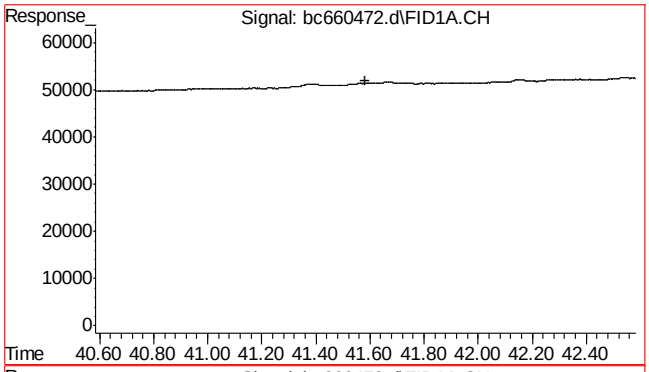
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



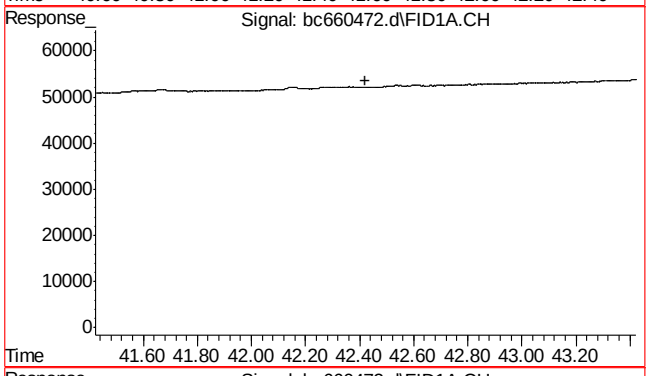
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



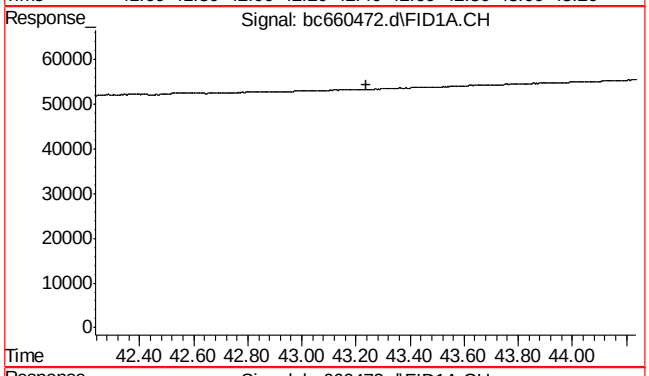
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



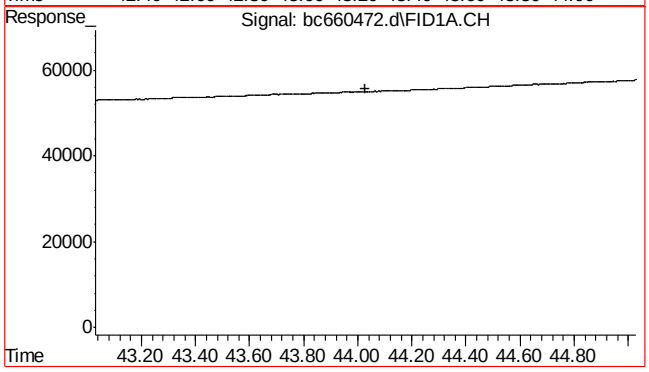
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



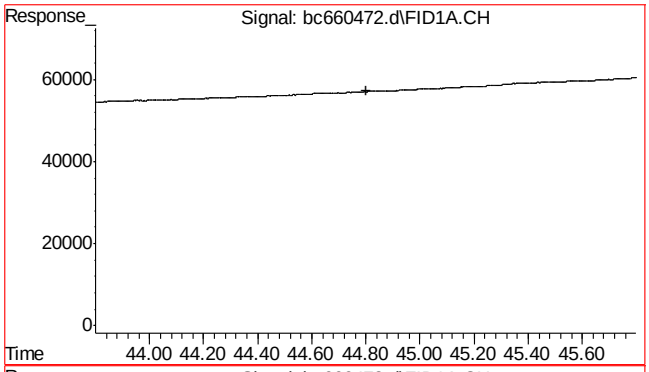
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



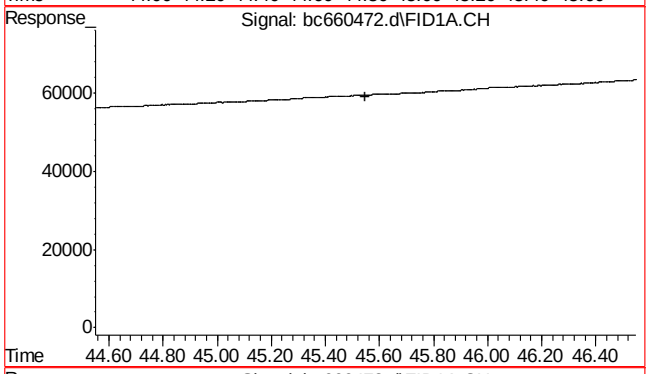
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



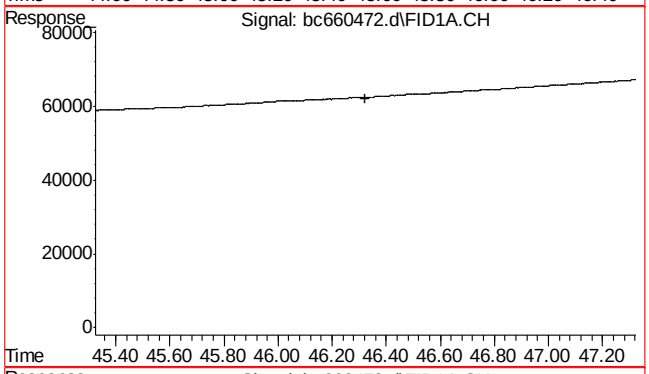
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



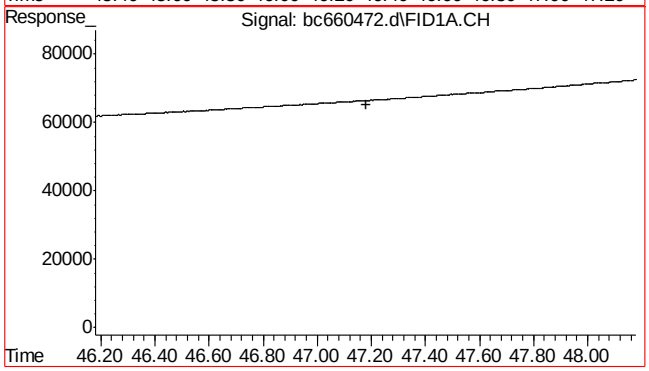
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



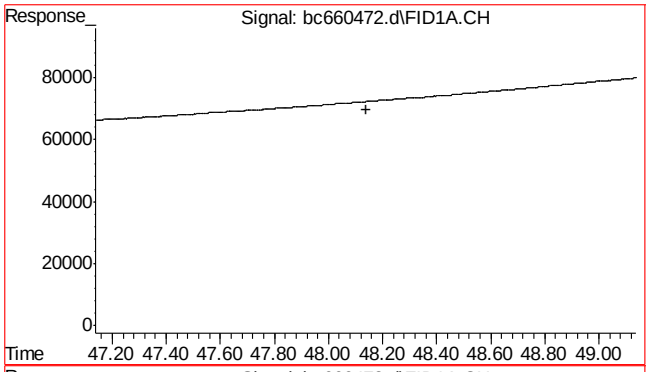
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



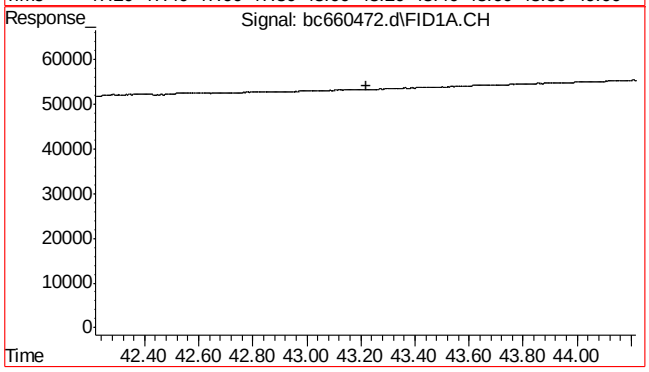
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660454.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 11:15:45
Operator : kimmien
Sample : op37816-mb,op37816
Misc : op37816,gbc3617,1,,,10,,
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:09:25 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
Internal Standards						
1)	I	5a-Androstane	0.000	0	N.D.	µg/mLd
Target Compounds						
2)		C-8	0.000	0	N.D.	µg/mLd
3)		C-9	0.000	0	N.D.	µg/mLd
4)		C-10	0.000	0	N.D.	µg/mLd
5)		C-11	0.000	0	N.D.	µg/mLd
6)		C-12	0.000	0	N.D.	µg/mLd
7)		C-13	0.000	0	N.D.	µg/mLd
8)		C-14	0.000	0	N.D.	µg/mLd
9)		C-15	0.000	0	N.D.	µg/mLd
10)		C-16	0.000	0	N.D.	µg/mLd
11)		C-17	0.000	0	N.D.	µg/mLd
12)		C-18	0.000	0	N.D.	µg/mLd
13)		C-19	0.000	0	N.D.	µg/mLd
14)		C-20	0.000	0	N.D.	µg/mLd
15)		C-21	0.000	0	N.D.	µg/mLd
16)		C-22	0.000	0	N.D.	µg/mLd
17)		C-23	0.000	0	N.D.	µg/mLd
18)		C-24	0.000	0	N.D.	µg/mLd
19)		C-25	0.000	0	N.D.	µg/mLd
20)		C-26	0.000	0	N.D.	µg/mLd
21)		C-27	0.000	0	N.D.	µg/mLd
22)		C-28	0.000	0	N.D.	µg/mLd
23)		C-29	0.000	0	N.D.	µg/mLd
24)		C-30	0.000	0	N.D.	µg/mLd
25)		C-31	0.000	0	N.D.	µg/mLd
26)		C-32	0.000	0	N.D.	µg/mLd
27)		C-33	0.000	0	N.D.	µg/mLd
28)		C-34	0.000	0	N.D.	µg/mLd
29)		C-35	0.000	0	N.D.	µg/mLd
30)		C-36	0.000	0	N.D.	µg/mLd
31)		C-37	0.000	0	N.D.	µg/mLd
32)		C-38	0.000	0	N.D.	µg/mLd
33)		C-39	0.000	0	N.D.	µg/mLd
34)		C-40	0.000	0	N.D.	µg/mLd
35)	H	TPH (C8-C40)	0.000	0	N.D.	µg/mLd

SemiQuant Compounds - Not Calibrated on this Instrument

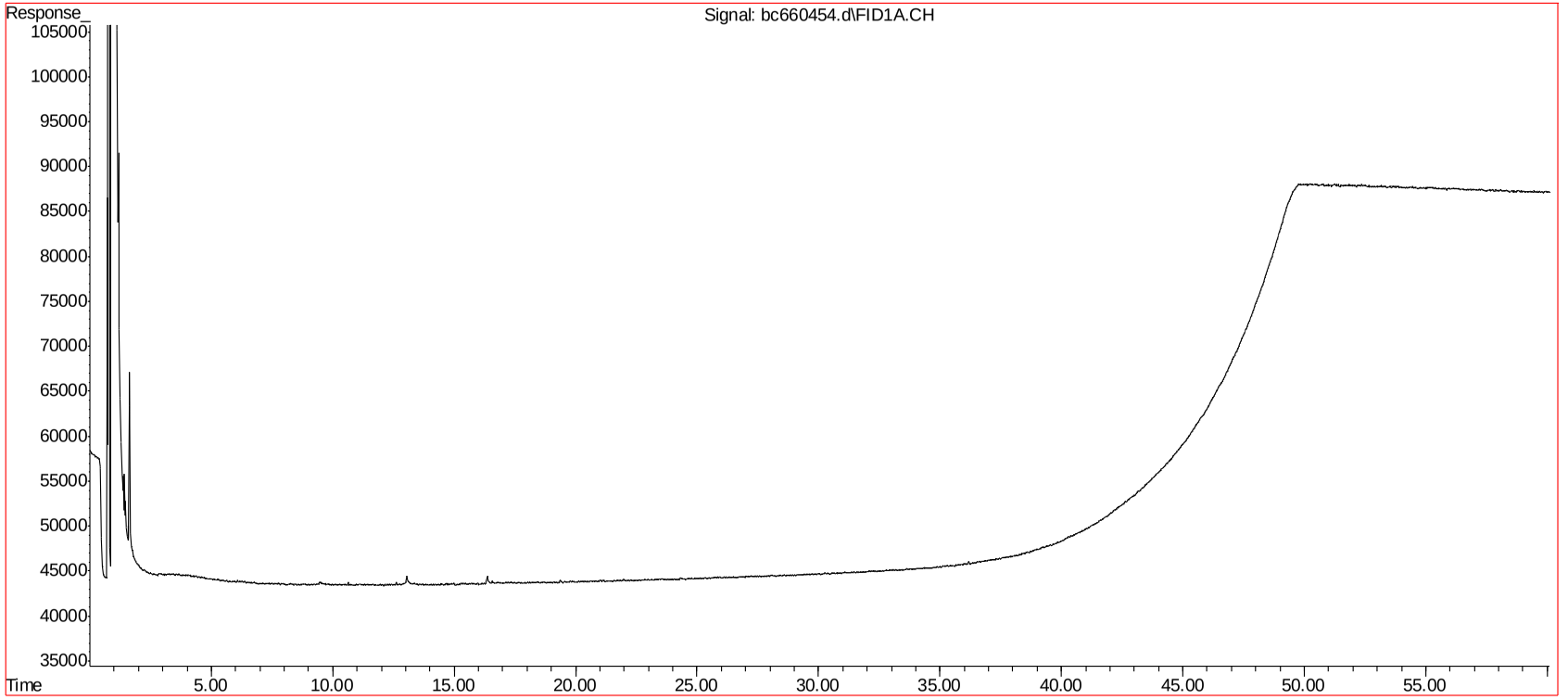
(f)=RT Delta > 1/2 Window (m)=manual int.

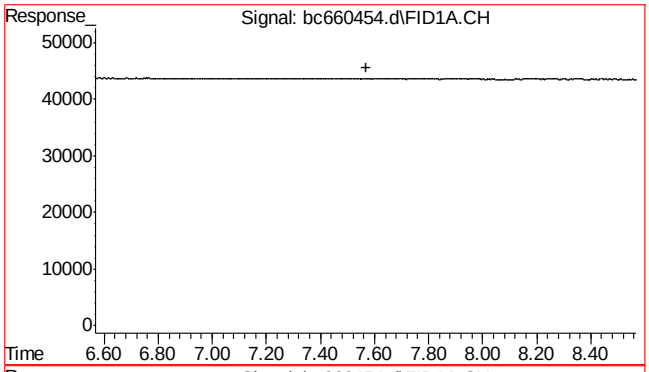
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC140428\
Data File : bc660454.d
Signal(s) : FID1A.CH
Acq On : 28-Apr-14, 11:15:45
Operator : kimmien
Sample : op37816-mb,op37816
Misc : op37816,gbc3617,1,,,10,,
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 01 11:09:25 2014
Quant Method : C:\msdchem\1\methods\FGF140428.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

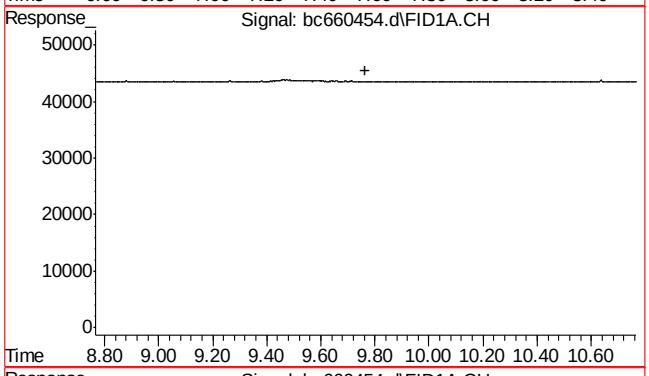
Volume Inj. :
Signal Phase :
Signal Info :





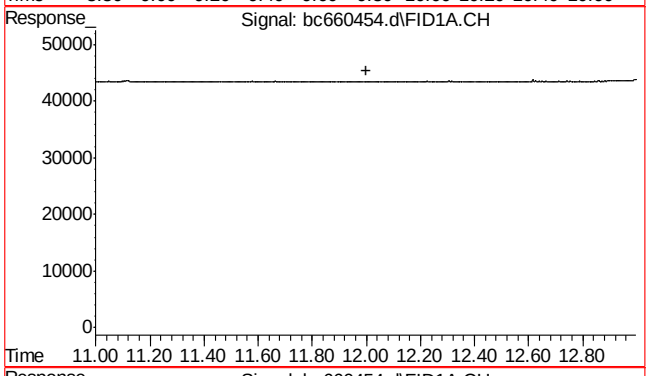
#2 C-8

R.T.: 0.000 min
Exp R.T. : 7.568 min
Response: 0
Conc: N.D.



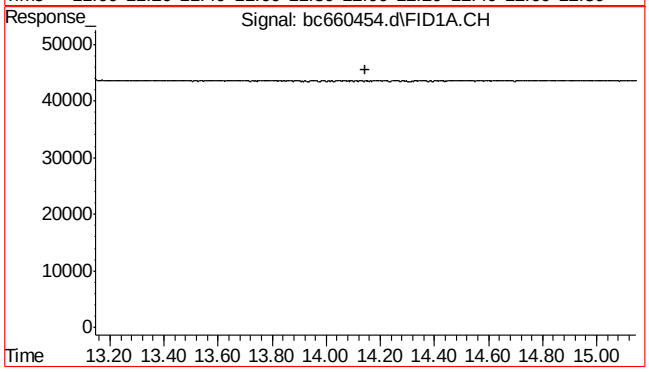
#3 C-9

R.T.: 0.000 min
Exp R.T. : 9.766 min
Response: 0
Conc: N.D.



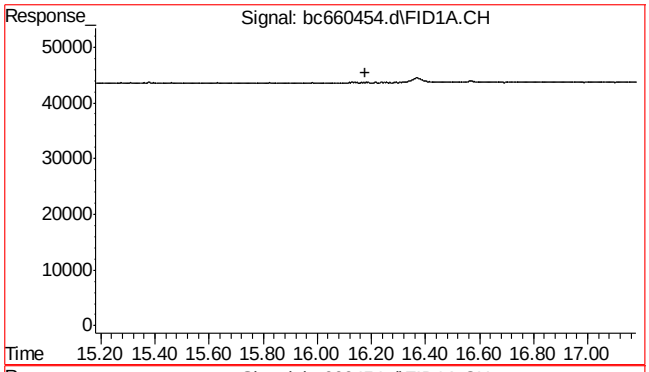
#4 C-10

R.T.: 0.000 min
Exp R.T. : 11.998 min
Response: 0
Conc: N.D.



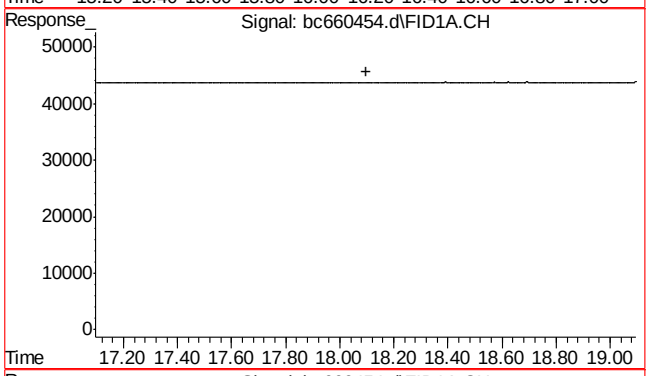
#5 C-11

R.T.: 0.000 min
Exp R.T. : 14.146 min
Response: 0
Conc: N.D.



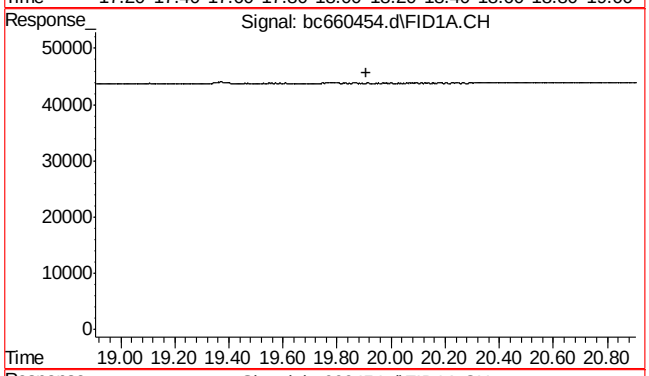
#6 C-12

R.T.: 0.000 min
Exp R.T. : 16.179 min
Response: 0
Conc: N.D.



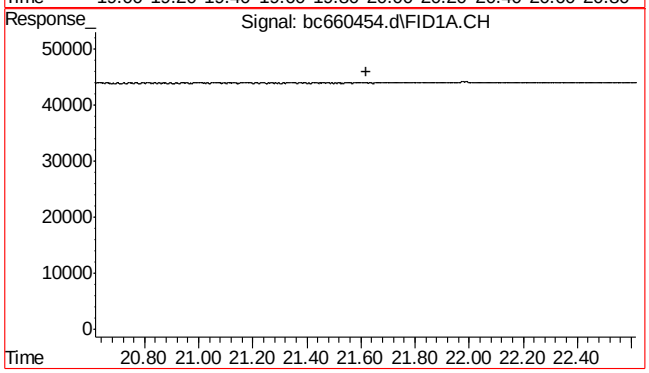
#7 C-13

R.T.: 0.000 min
Exp R.T. : 18.097 min
Response: 0
Conc: N.D.



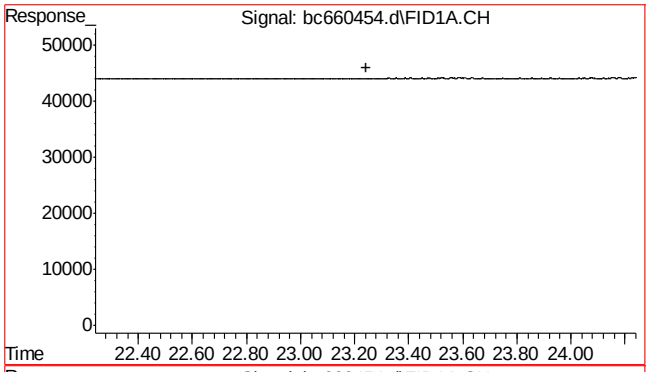
#8 C-14

R.T.: 0.000 min
Exp R.T. : 19.906 min
Response: 0
Conc: N.D.



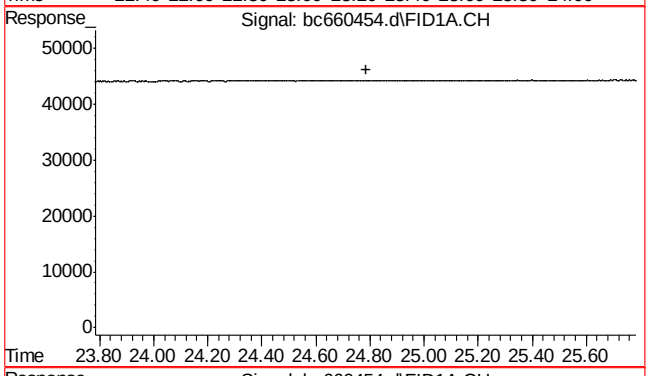
#9 C-15

R.T.: 0.000 min
Exp R.T. : 21.618 min
Response: 0
Conc: N.D.



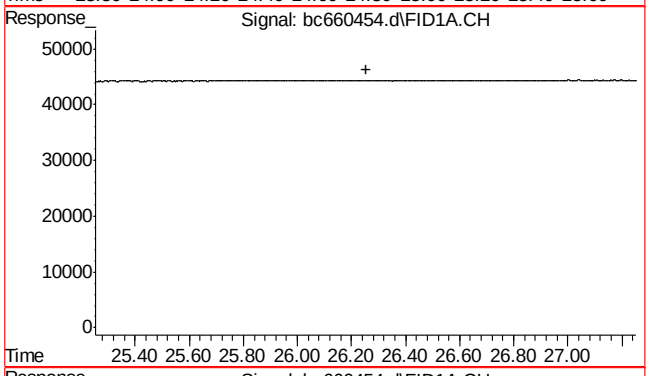
#10 C-16

R.T.: 0.000 min
Exp R.T. : 23.241 min
Response: 0
Conc: N.D.



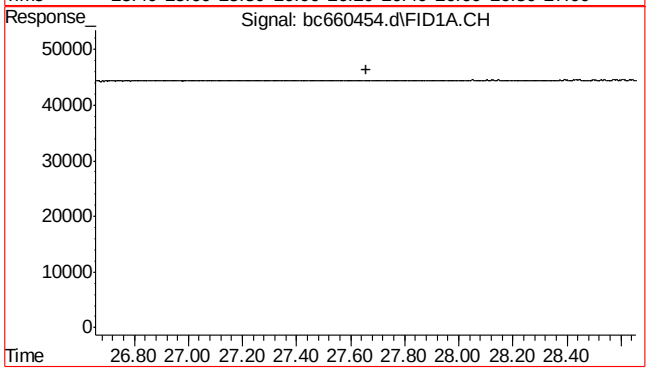
#11 C-17

R.T.: 0.000 min
Exp R.T. : 24.785 min
Response: 0
Conc: N.D.



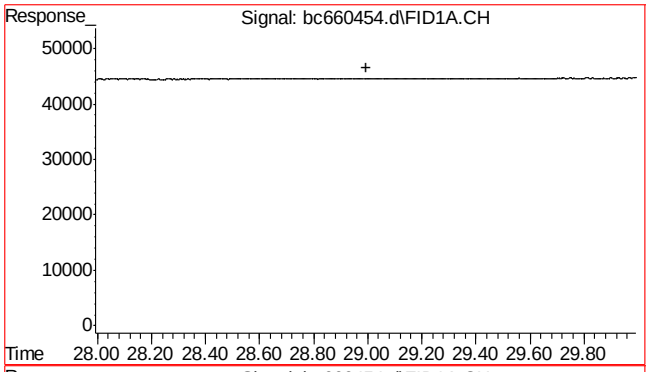
#12 C-18

R.T.: 0.000 min
Exp R.T. : 26.253 min
Response: 0
Conc: N.D.



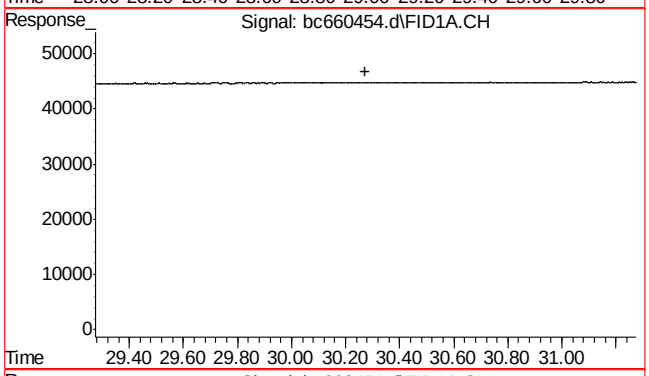
#13 C-19

R.T.: 0.000 min
Exp R.T. : 27.656 min
Response: 0
Conc: N.D.



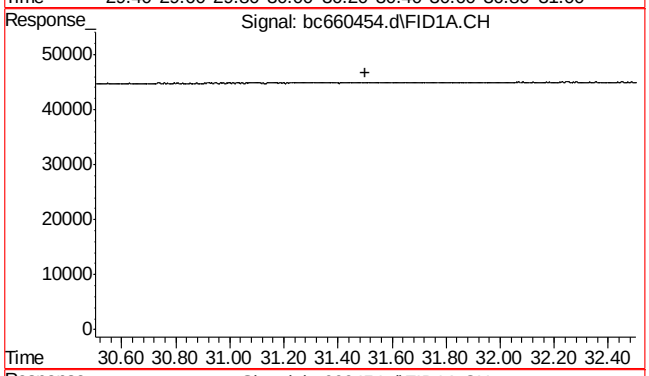
#14 C-20

R.T.: 0.000 min
Exp R.T. : 28.993 min
Response: 0
Conc: N.D.



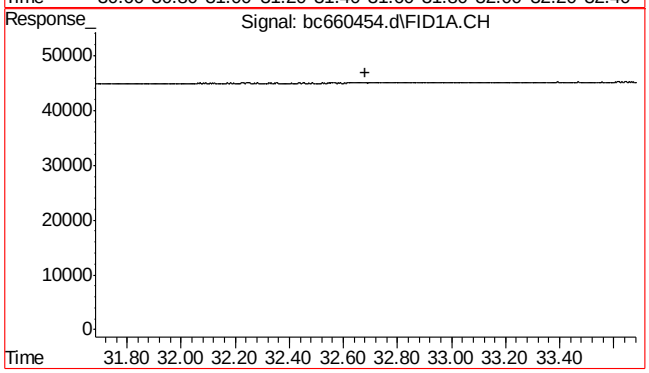
#15 C-21

R.T.: 0.000 min
Exp R.T. : 30.274 min
Response: 0
Conc: N.D.



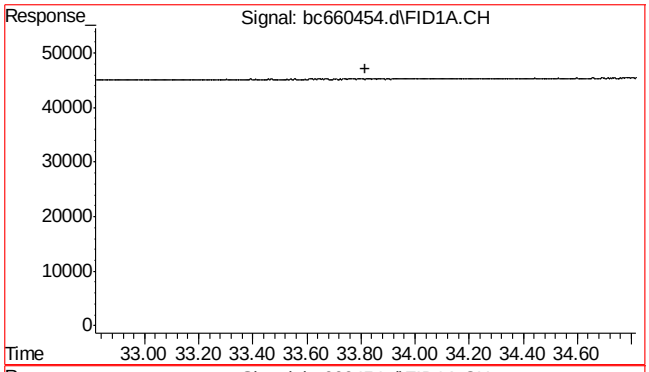
#16 C-22

R.T.: 0.000 min
Exp R.T. : 31.502 min
Response: 0
Conc: N.D.



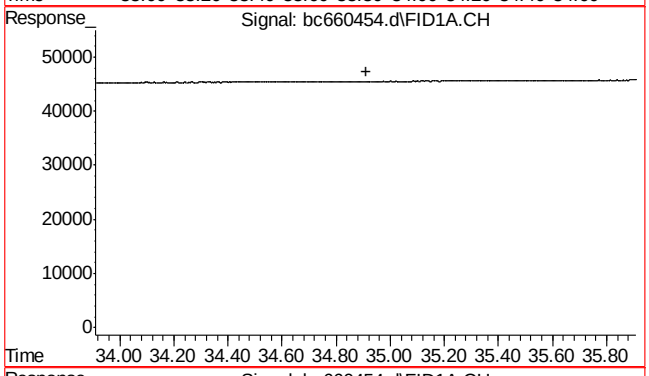
#17 C-23

R.T.: 0.000 min
Exp R.T. : 32.682 min
Response: 0
Conc: N.D.



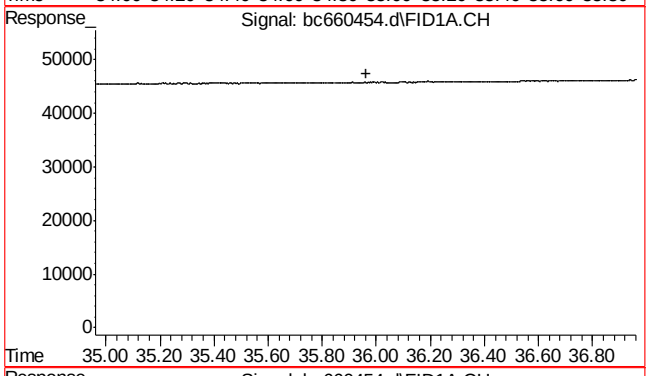
#18 C-24

R.T.: 0.000 min
Exp R.T. : 33.817 min
Response: 0
Conc: N.D.



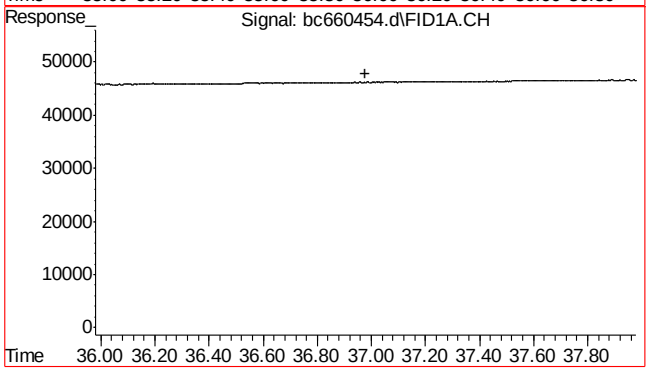
#19 C-25

R.T.: 0.000 min
Exp R.T. : 34.909 min
Response: 0
Conc: N.D.



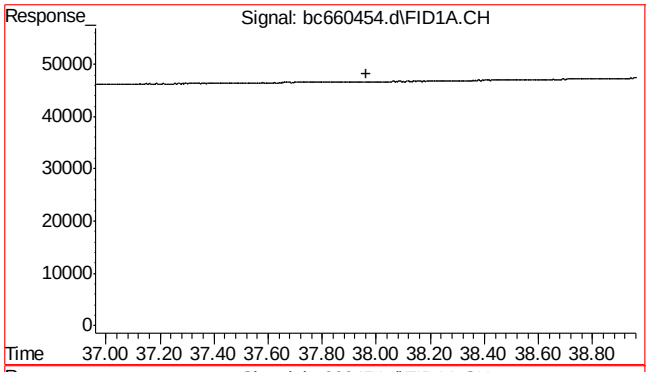
#20 C-26

R.T.: 0.000 min
Exp R.T. : 35.961 min
Response: 0
Conc: N.D.



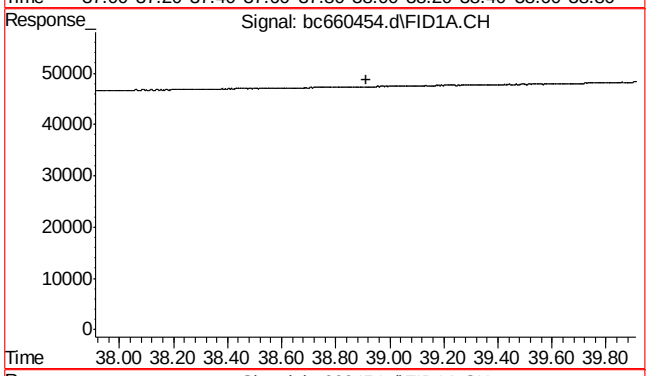
#21 C-27

R.T.: 0.000 min
Exp R.T. : 36.978 min
Response: 0
Conc: N.D.



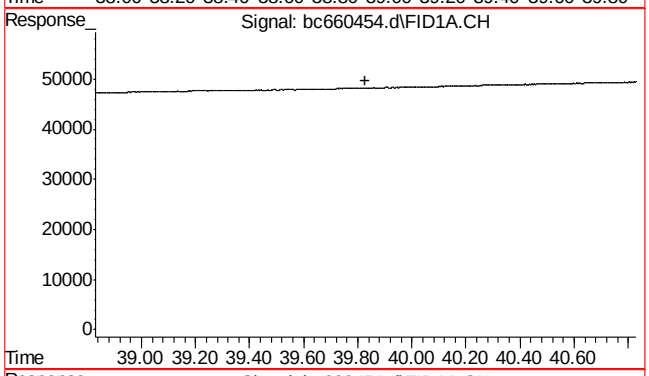
#22 C-28

R.T.: 0.000 min
Exp R.T. : 37.961 min
Response: 0
Conc: N.D.



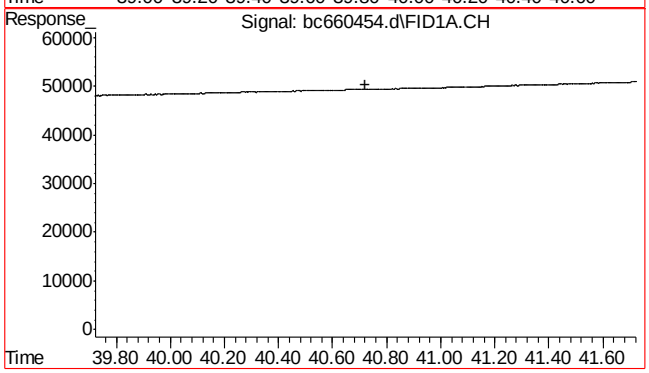
#23 C-29

R.T.: 0.000 min
Exp R.T. : 38.911 min
Response: 0
Conc: N.D.



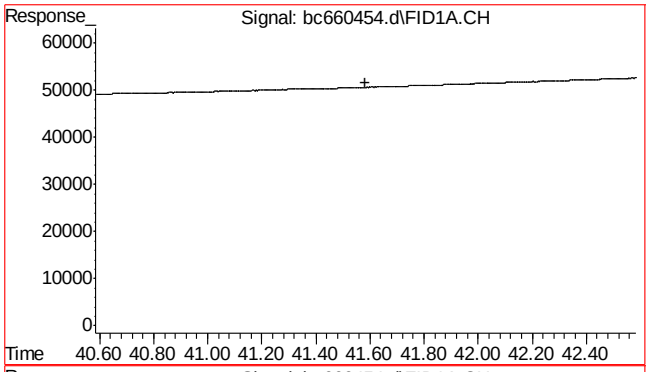
#24 C-30

R.T.: 0.000 min
Exp R.T. : 39.829 min
Response: 0
Conc: N.D.



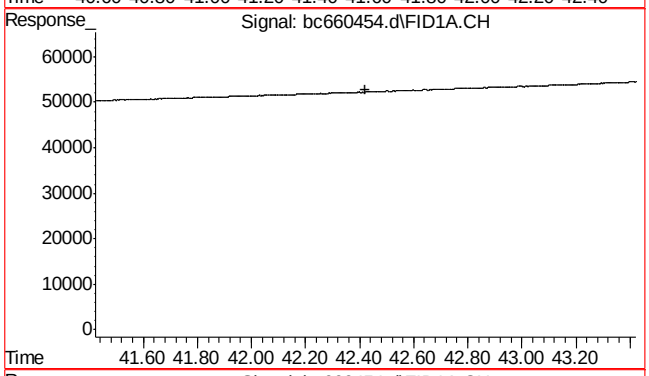
#25 C-31

R.T.: 0.000 min
Exp R.T. : 40.722 min
Response: 0
Conc: N.D.



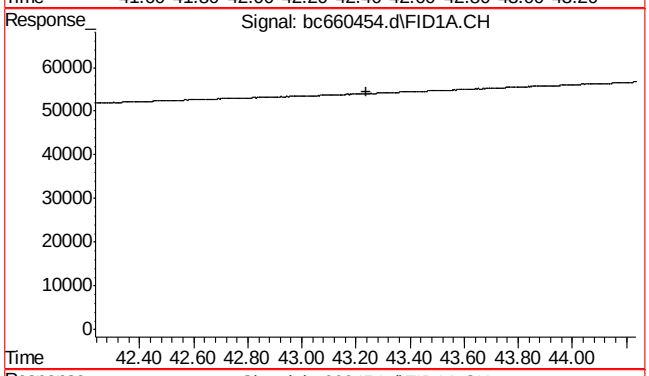
#26 C-32

R.T.: 0.000 min
Exp R.T. : 41.583 min
Response: 0
Conc: N.D.



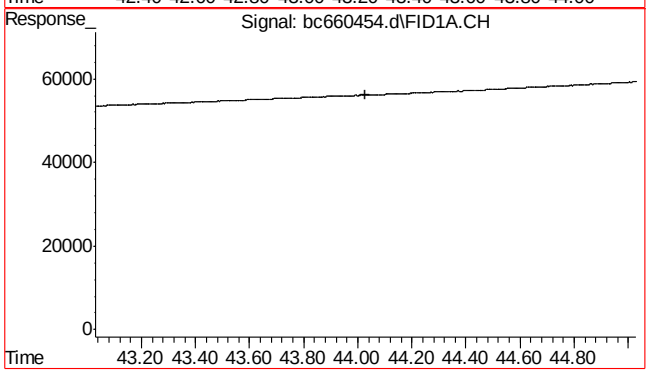
#27 C-33

R.T.: 0.000 min
Exp R.T. : 42.422 min
Response: 0
Conc: N.D.



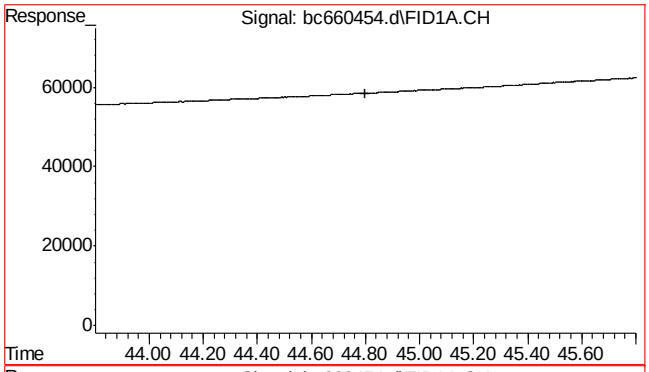
#28 C-34

R.T.: 0.000 min
Exp R.T. : 43.237 min
Response: 0
Conc: N.D.



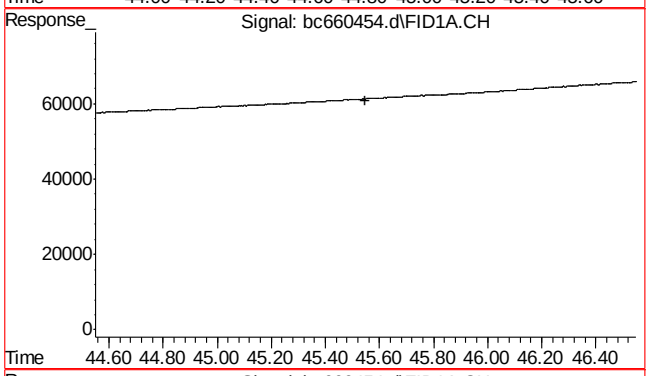
#29 C-35

R.T.: 0.000 min
Exp R.T. : 44.029 min
Response: 0
Conc: N.D.



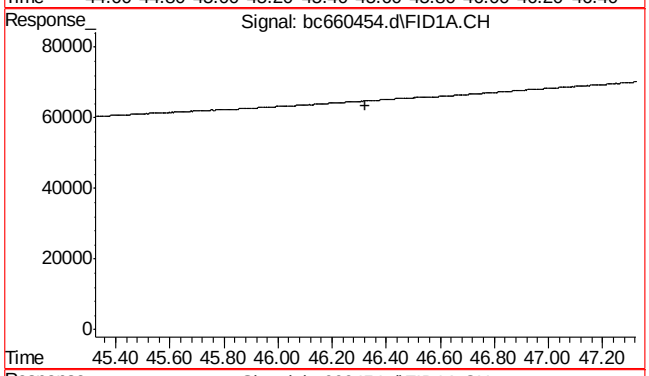
#30 C-36

R.T.: 0.000 min
Exp R.T. : 44.800 min
Response: 0
Conc: N.D.



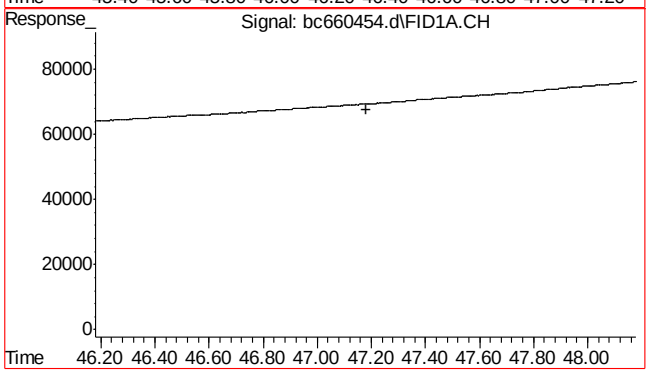
#31 C-37

R.T.: 0.000 min
Exp R.T. : 45.549 min
Response: 0
Conc: N.D.



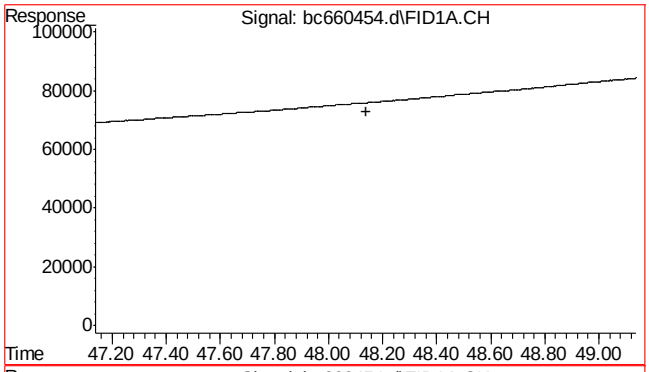
#32 C-38

R.T.: 0.000 min
Exp R.T. : 46.324 min
Response: 0
Conc: N.D.



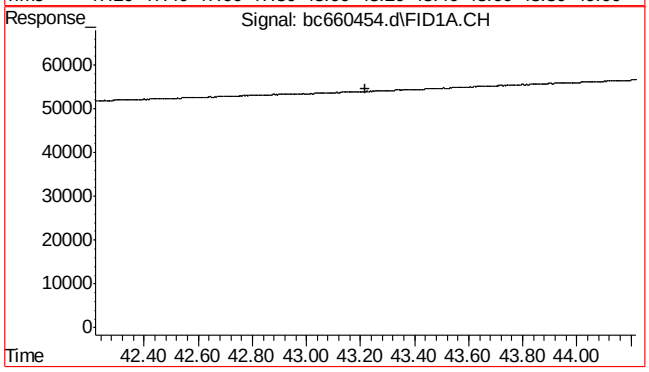
#33 C-39

R.T.: 0.000 min
Exp R.T. : 47.180 min
Response: 0
Conc: N.D.



#34 C-40

R.T.: 0.000 min
Exp R.T. : 48.138 min
Response: 0
Conc: N.D.



#35 TPH (C8-C40)

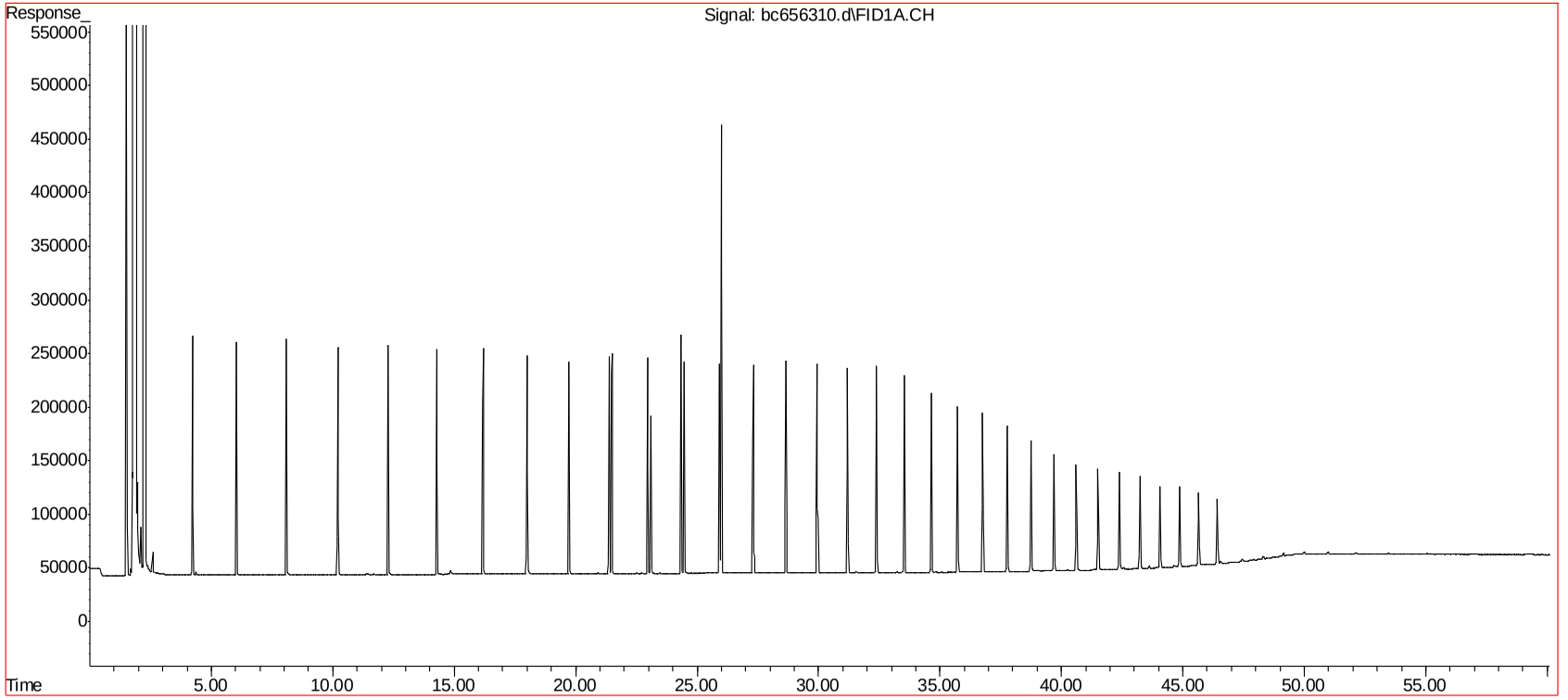
R.T.: 0.000 min
Exp R.T. : 43.218 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656310.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 17:11:21
Operator : kimmien
Sample : ref alkane standard 25ug/ml
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:34:56 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

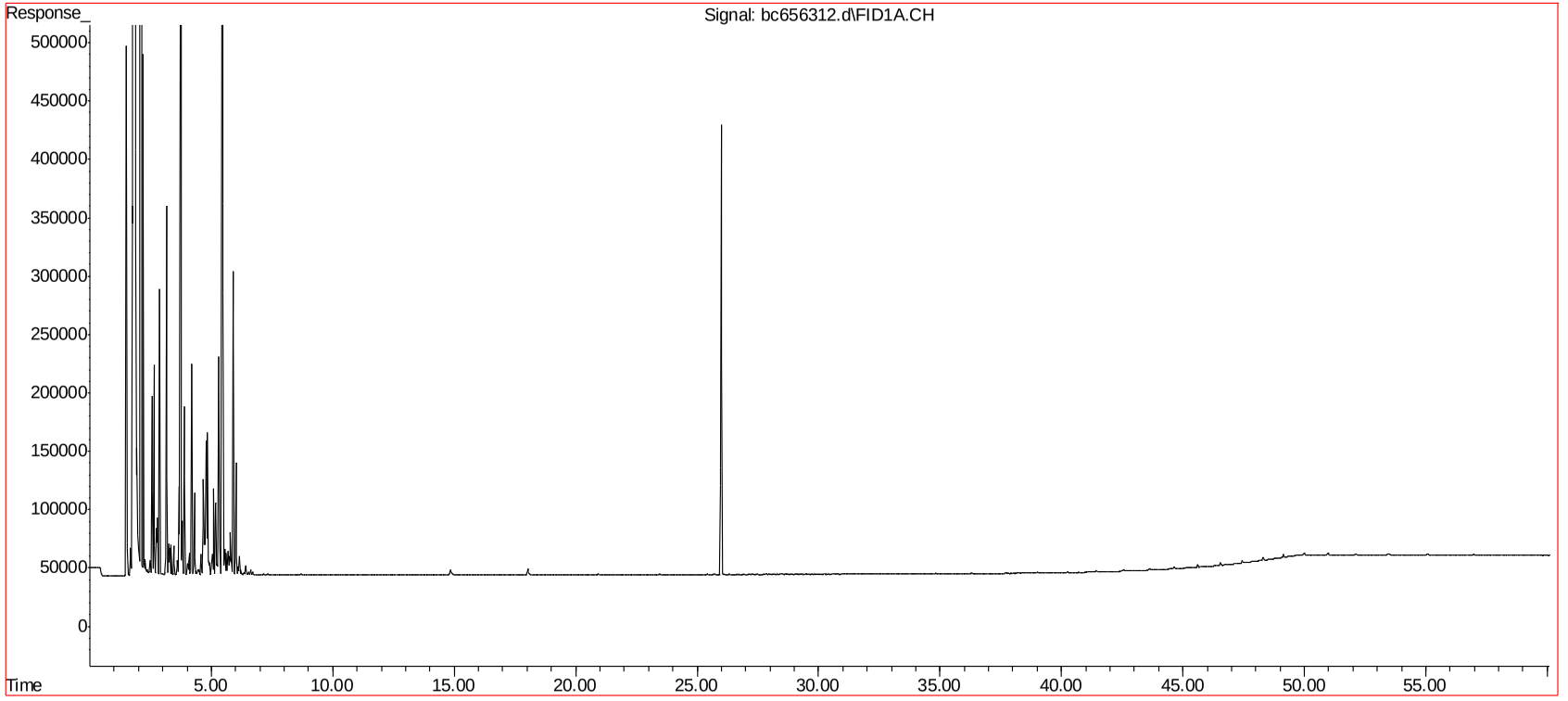


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656312.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 18:23:25
Operator : kimmien
Sample : ref lacquer thinner
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:35:39 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

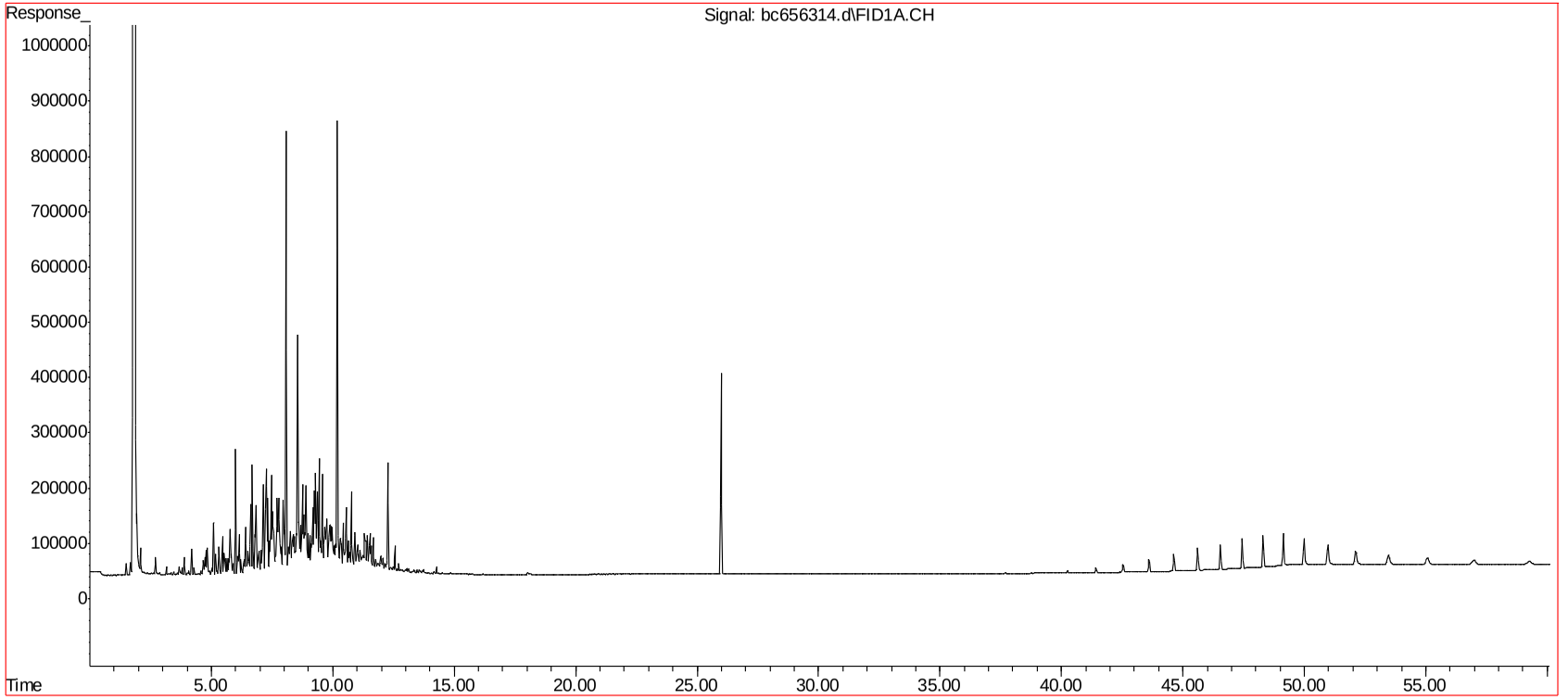


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656314.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 19:35:20
Operator : kimmien
Sample : ref mineral spirit
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:35:48 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

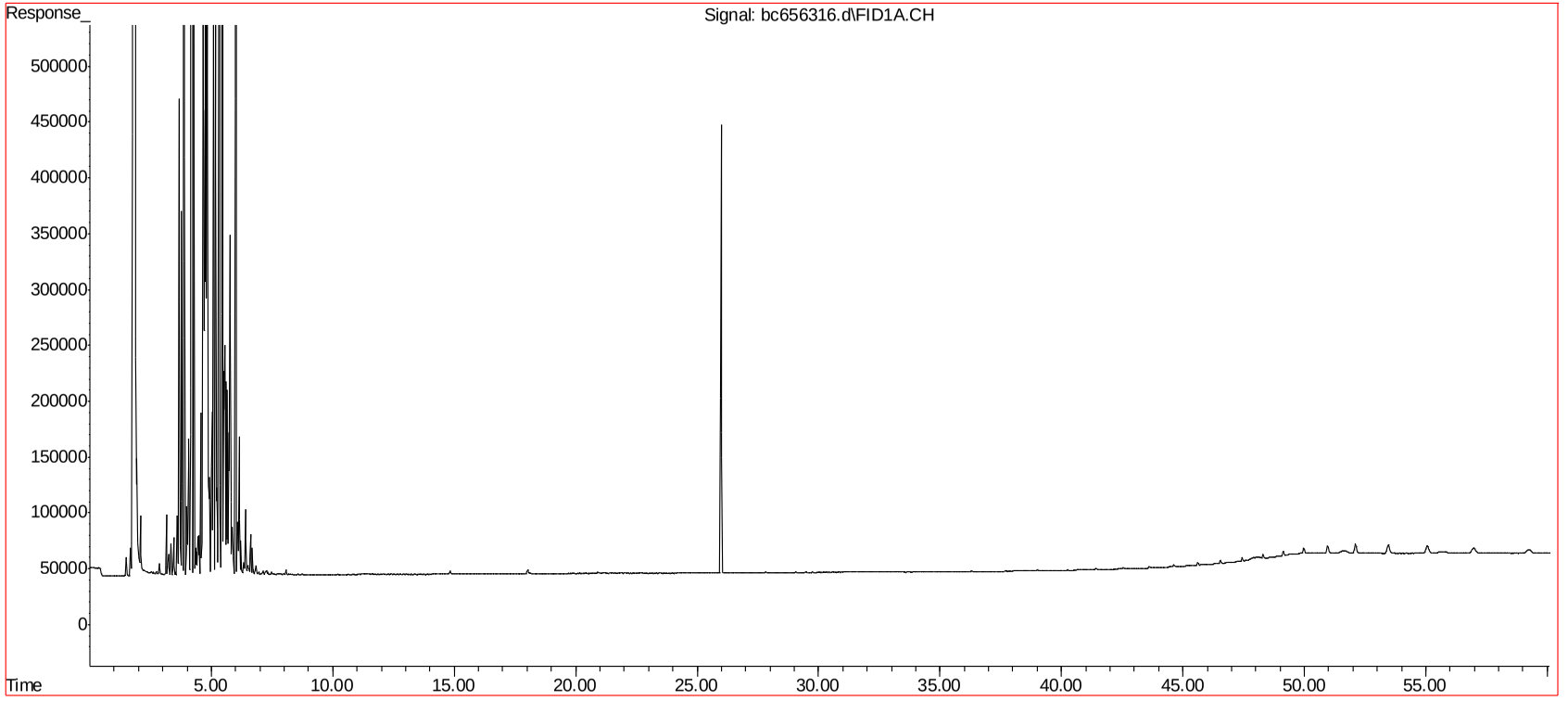


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656316.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 20:47:27
Operator : kimmien
Sample : ref naphtha
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:35:55 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

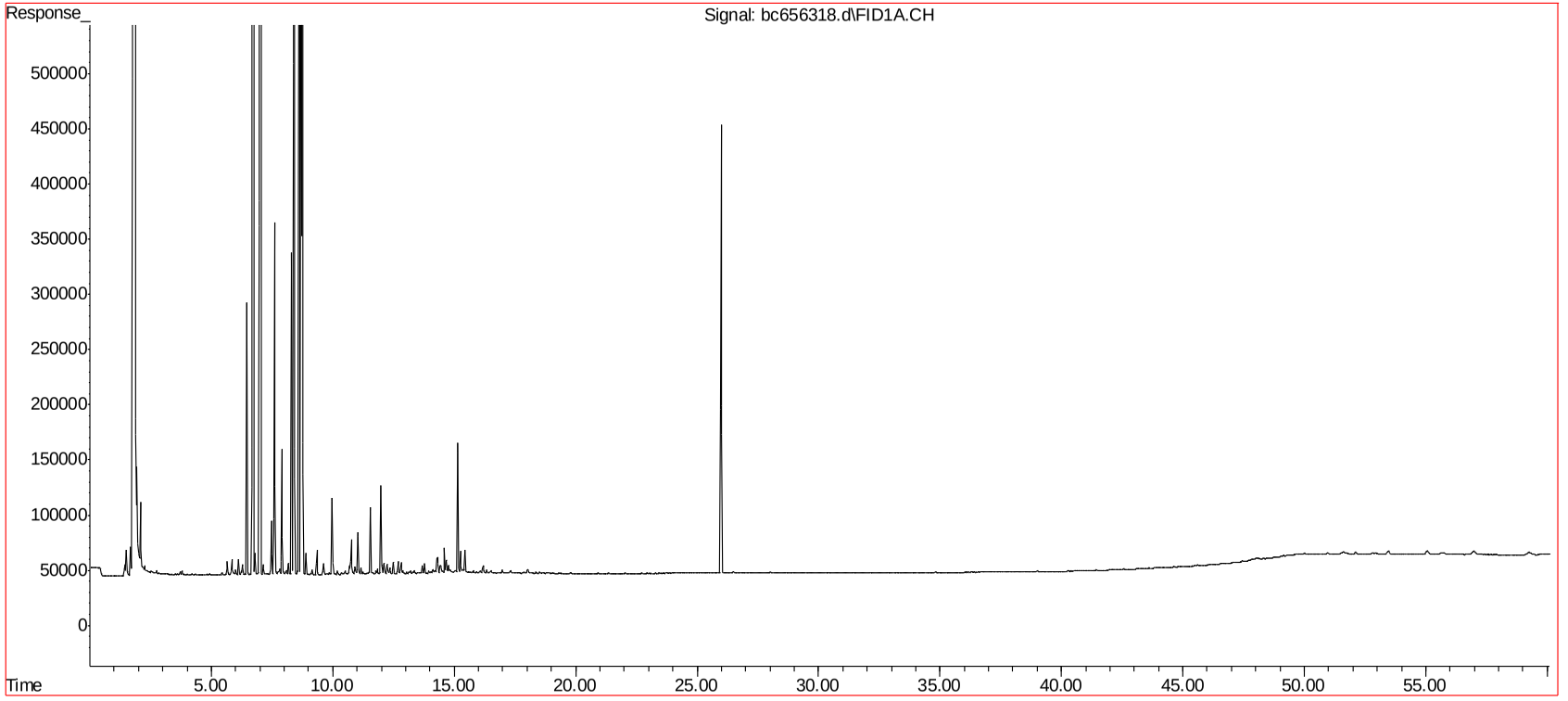


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656318.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 21:59:40
Operator : kimmien
Sample : ref turpentine
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:36:03 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

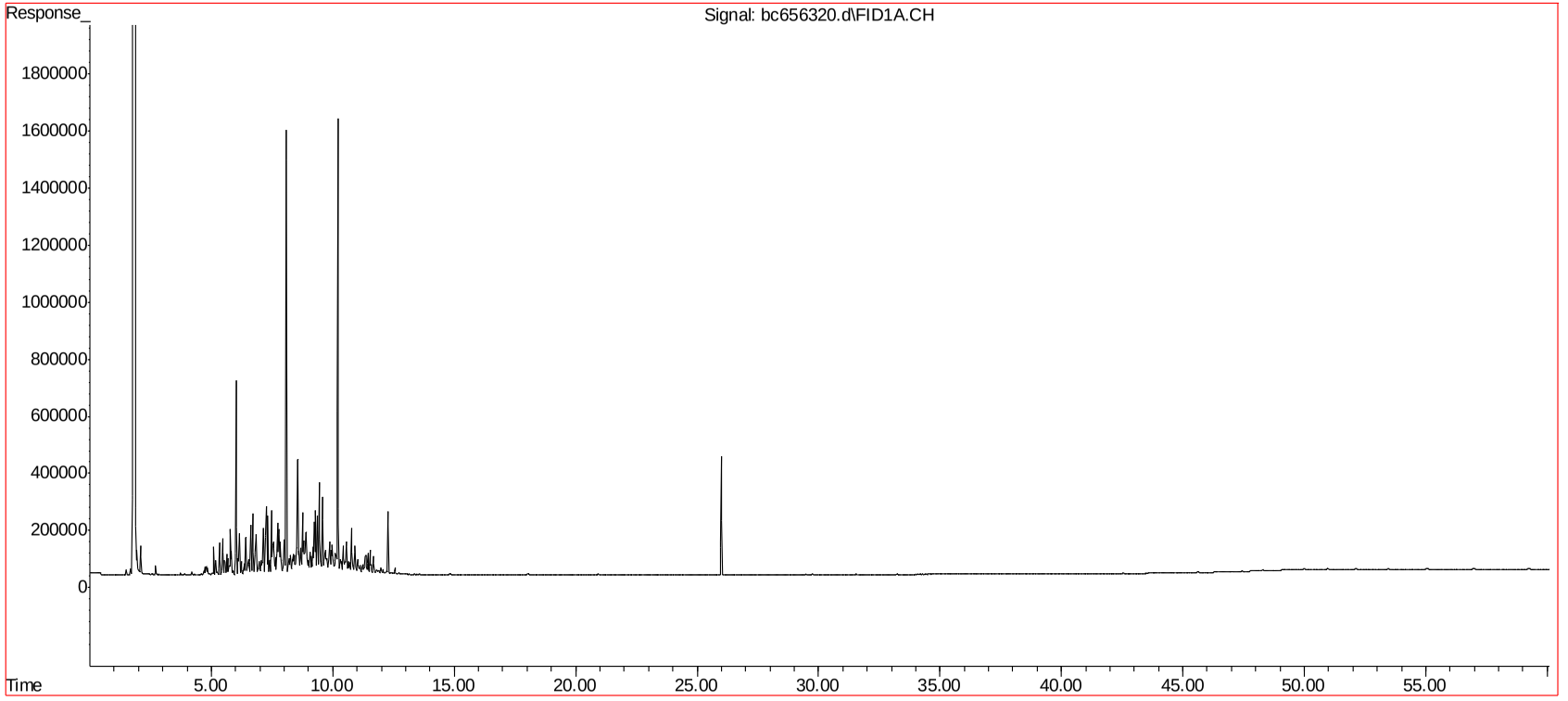


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656320.d
Signal(s) : FID1A.CH
Acq On : 13-Sep-13, 23:16:41
Operator : kimmien
Sample : ref stoddard solvent
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:36:25 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

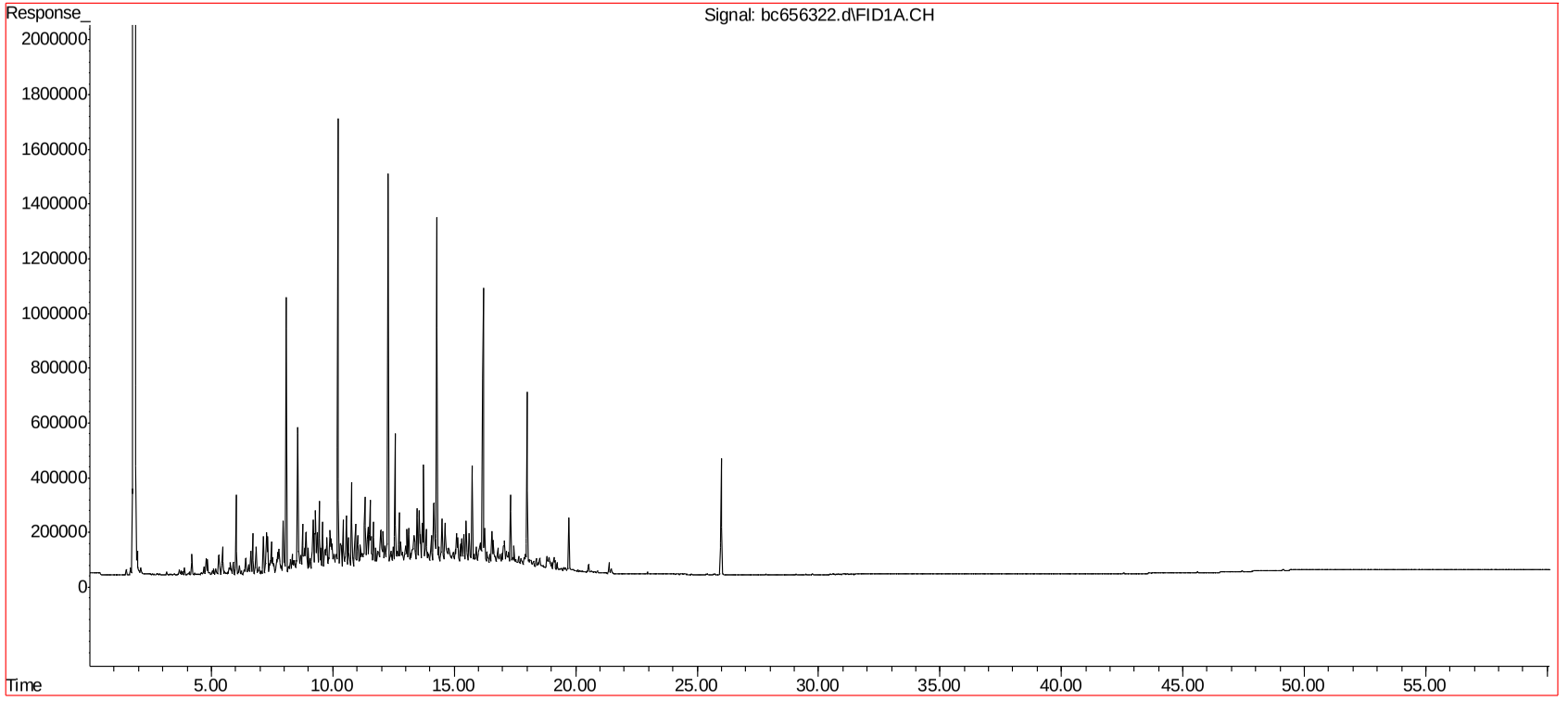


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656322.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 00:31:24
Operator : kimmien
Sample : ref #1 fuel oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:36:33 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

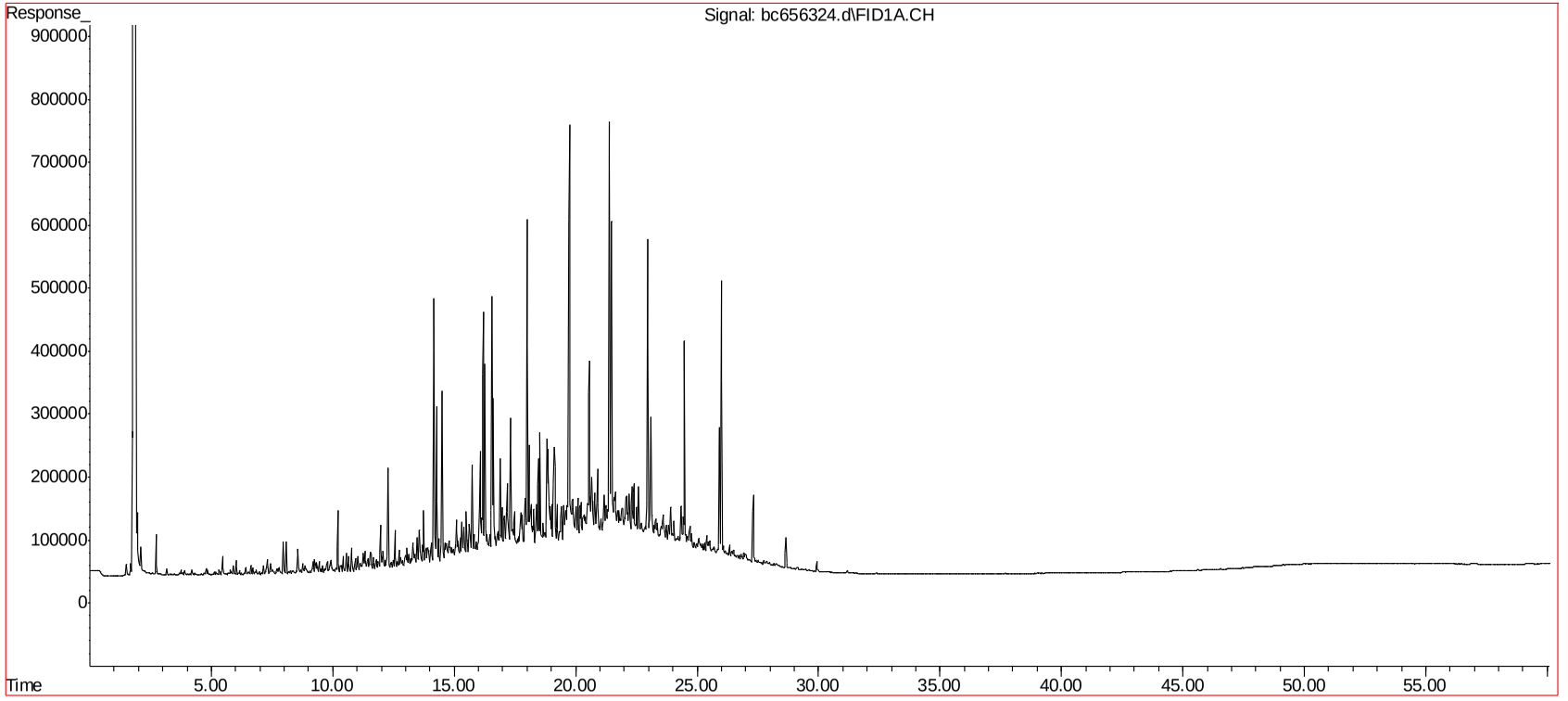


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656324.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 01:50:46
Operator : kimmien
Sample : ref #2 fuel oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:36:43 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

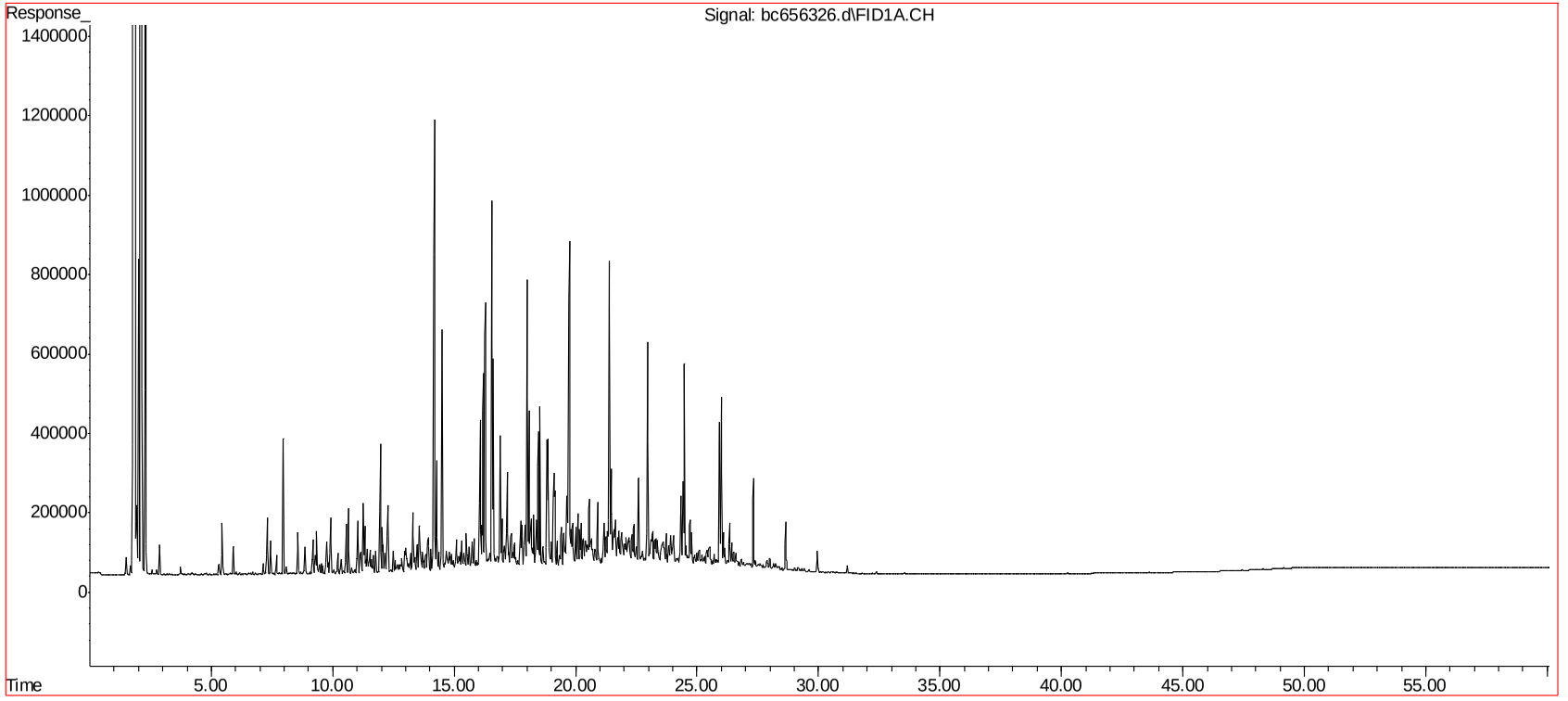


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656326.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 03:11:21
Operator : kimmien
Sample : ref #3 fuel oi
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:36:52 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

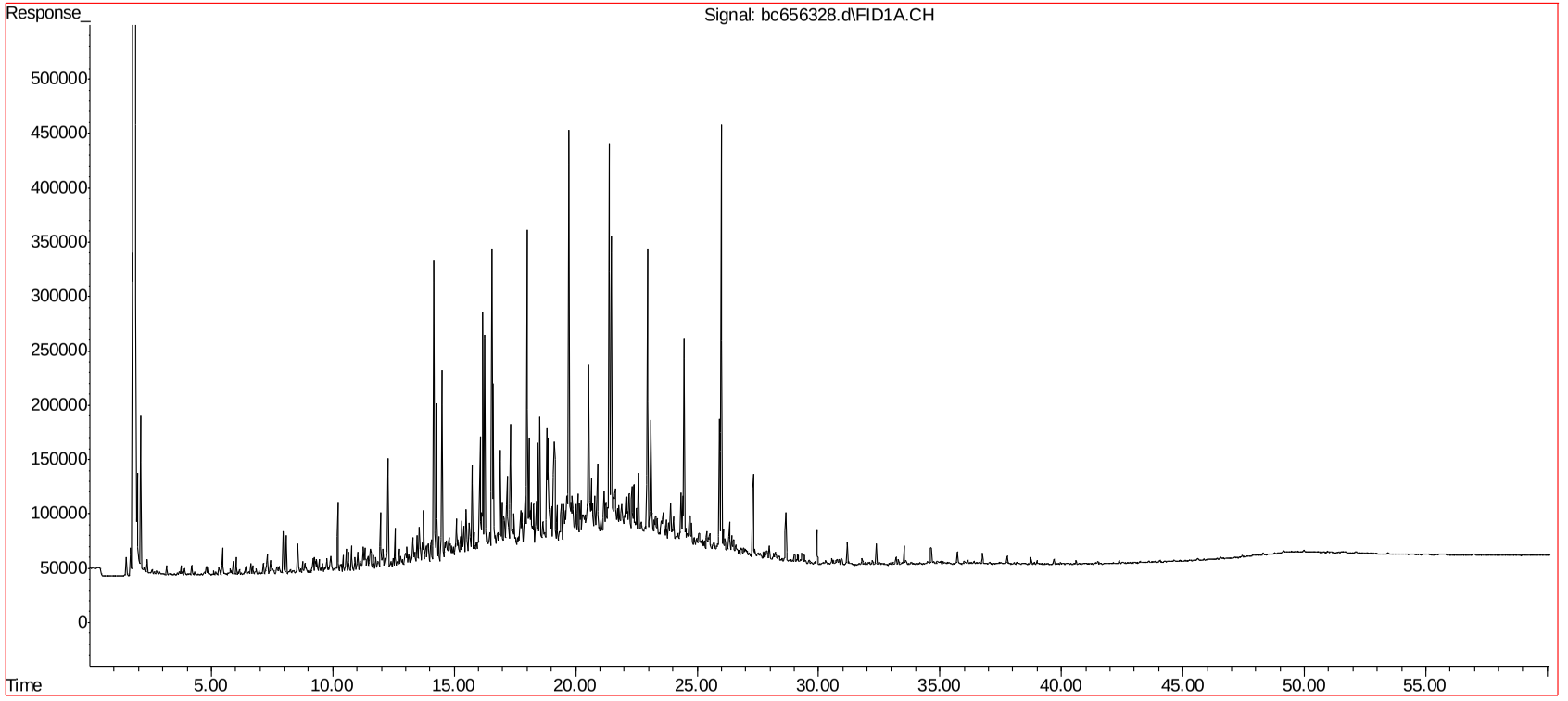


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656328.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 04:31:30
Operator : kimmien
Sample : ref #4 fuel oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:01 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

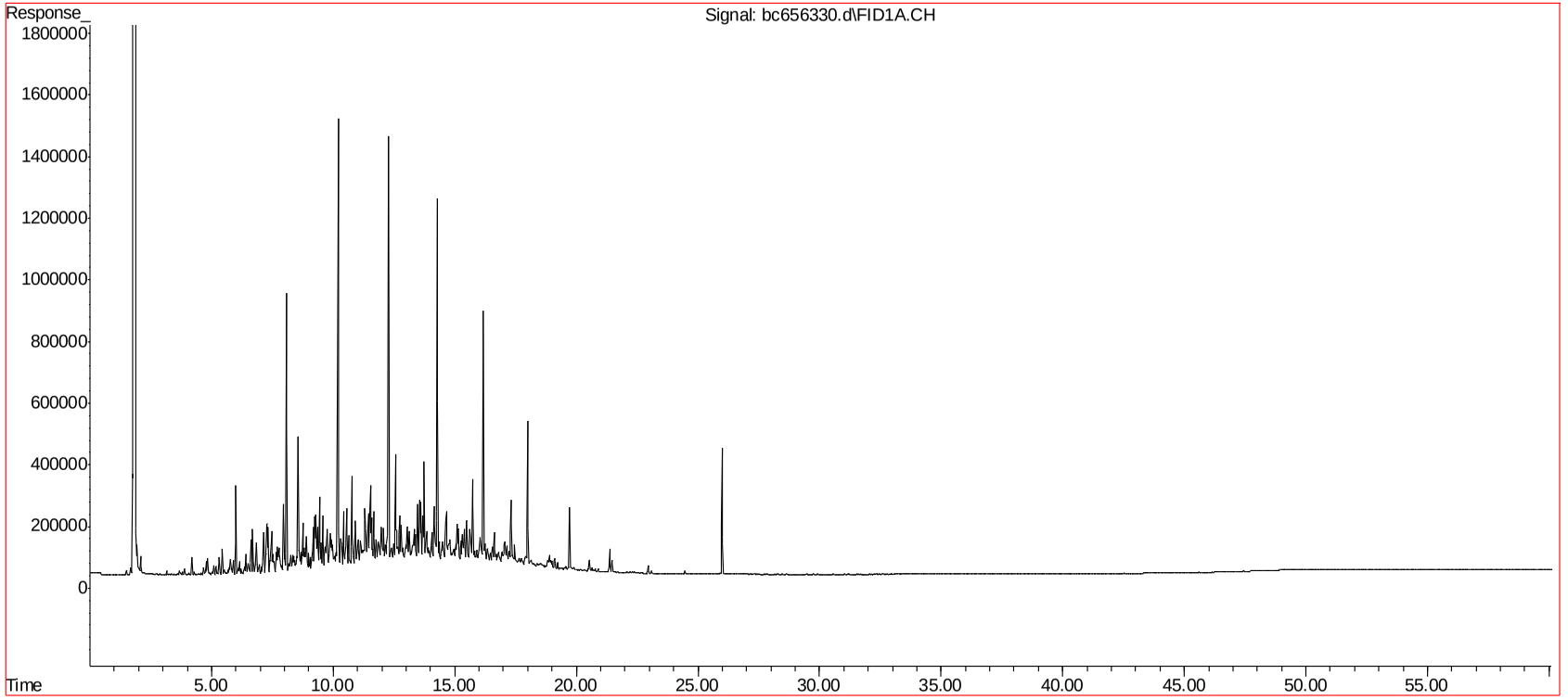


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656330.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 05:50:44
Operator : kimmien
Sample : ref kerosone
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:09 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

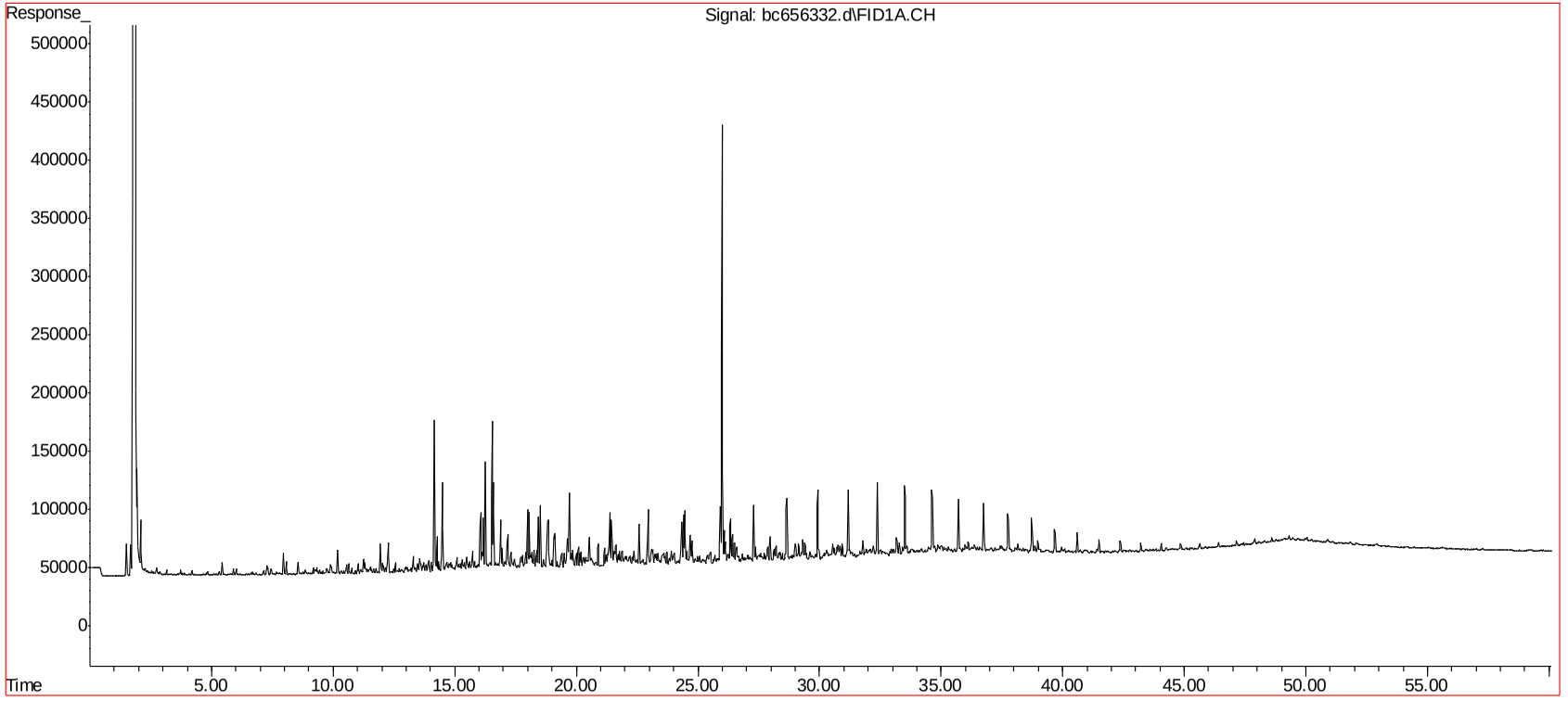


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656332.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 07:03:01
Operator : kimmien
Sample : ref #6 fuel oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:19 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

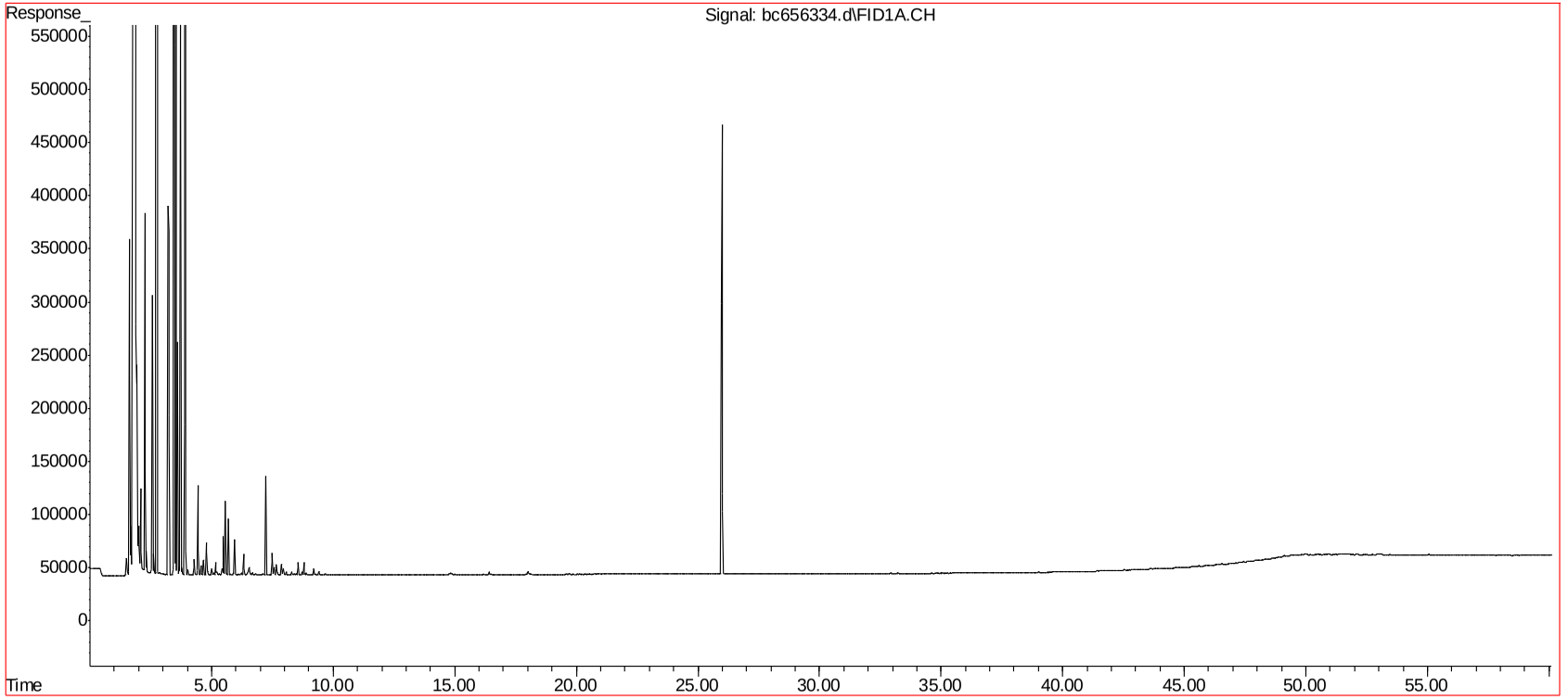


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656334.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 08:16:18
Operator : kimmien
Sample : ref aviation(gas) grade 100-LL
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:27 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

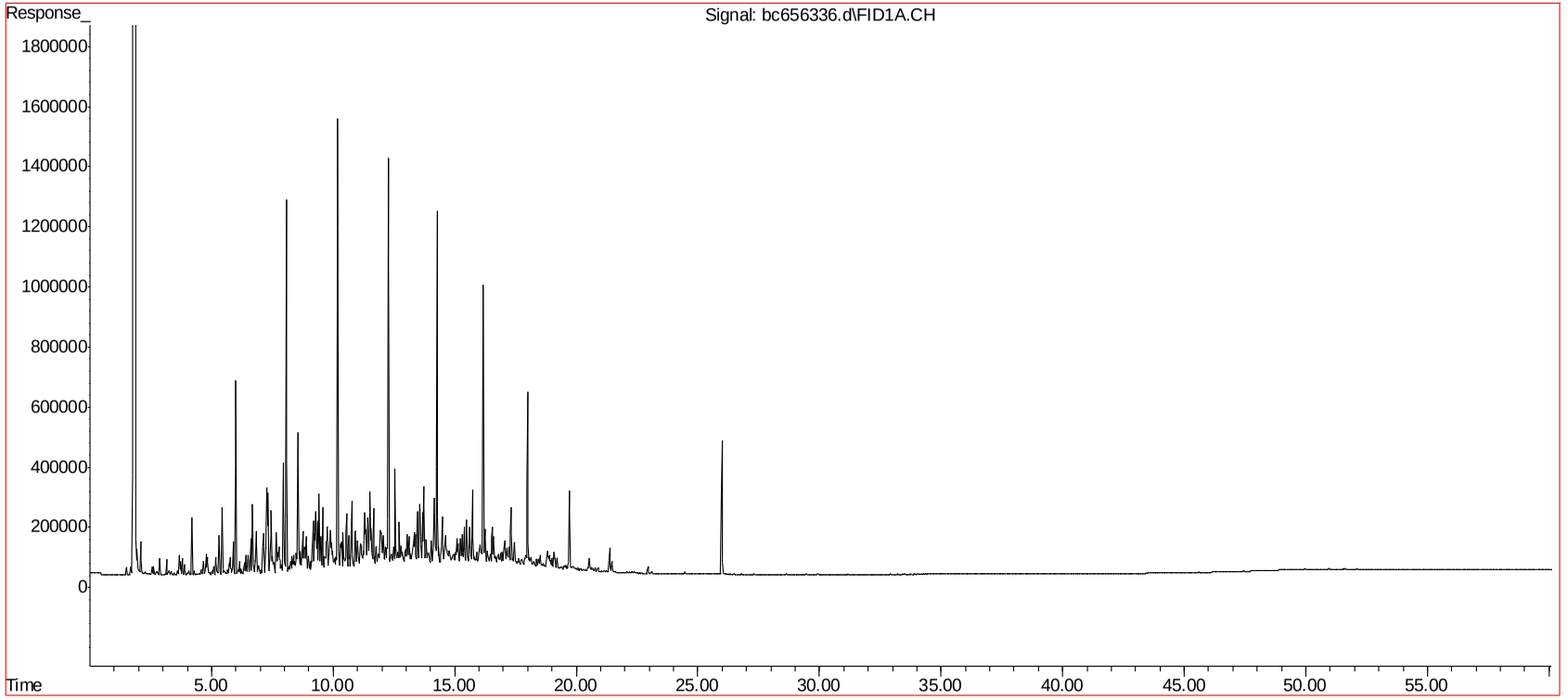


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656336.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 09:31:10
Operator : kimmien
Sample : ref turbine (jet) fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:35 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

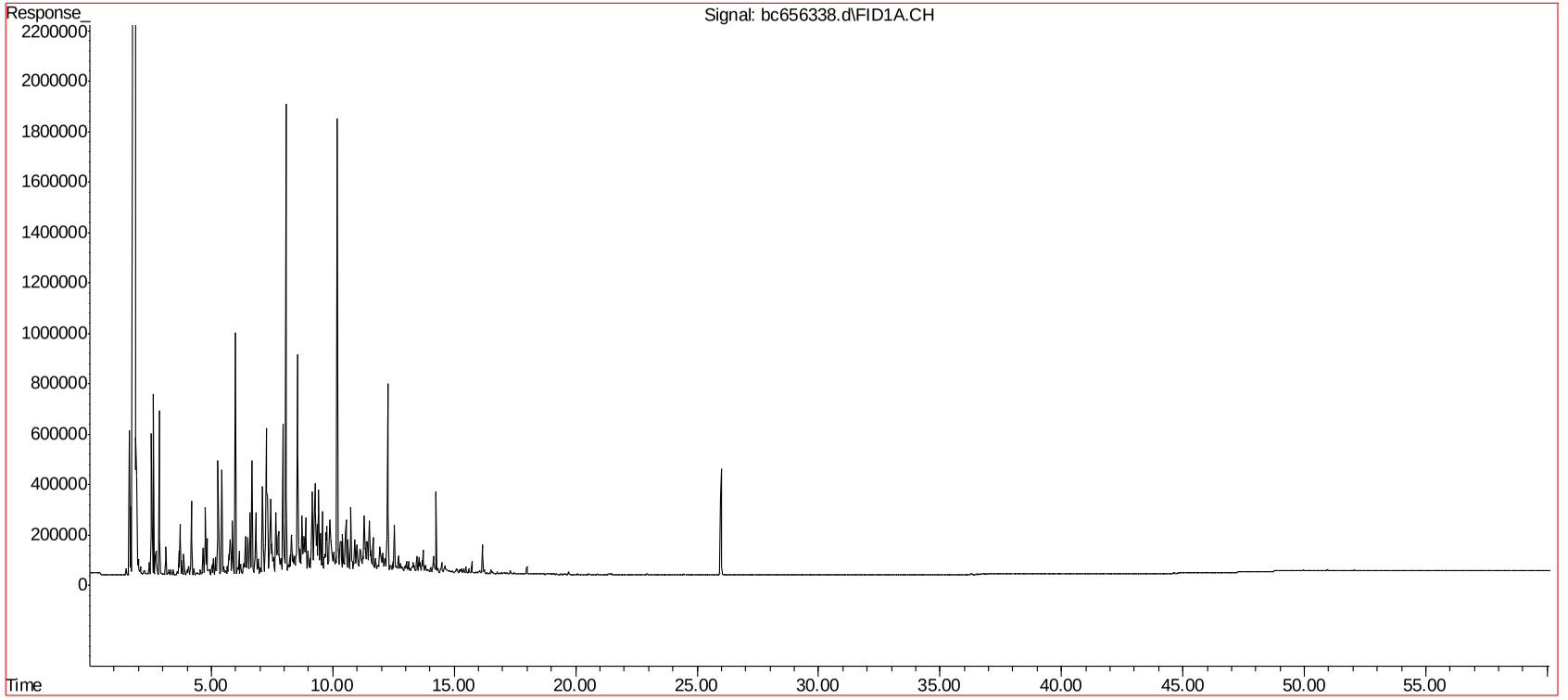


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656338.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 10:42:54
Operator : kimmien
Sample : ref JP-4 (jet fuel)
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:43 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

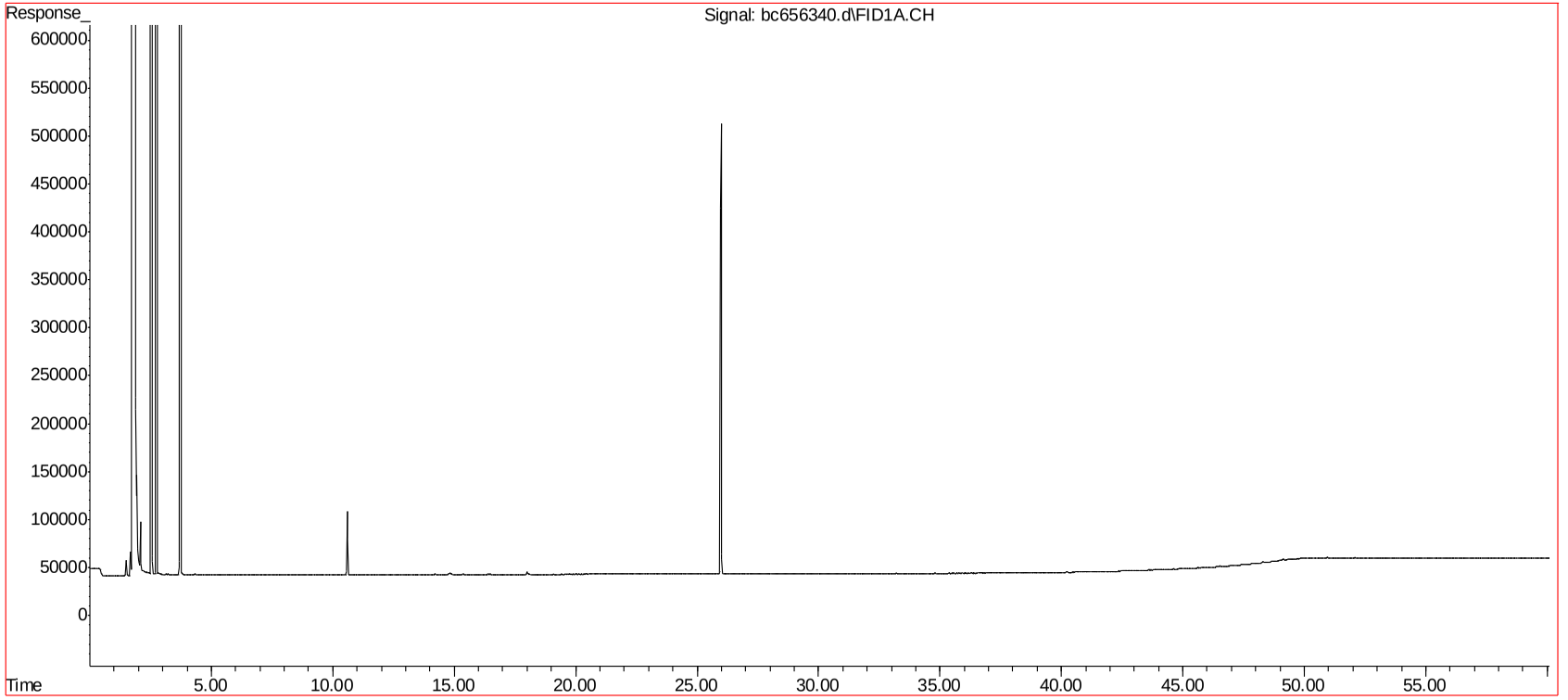


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656340.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 11:54:57
Operator : kimmien
Sample : ref jet reference fuel-type 1
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:50 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

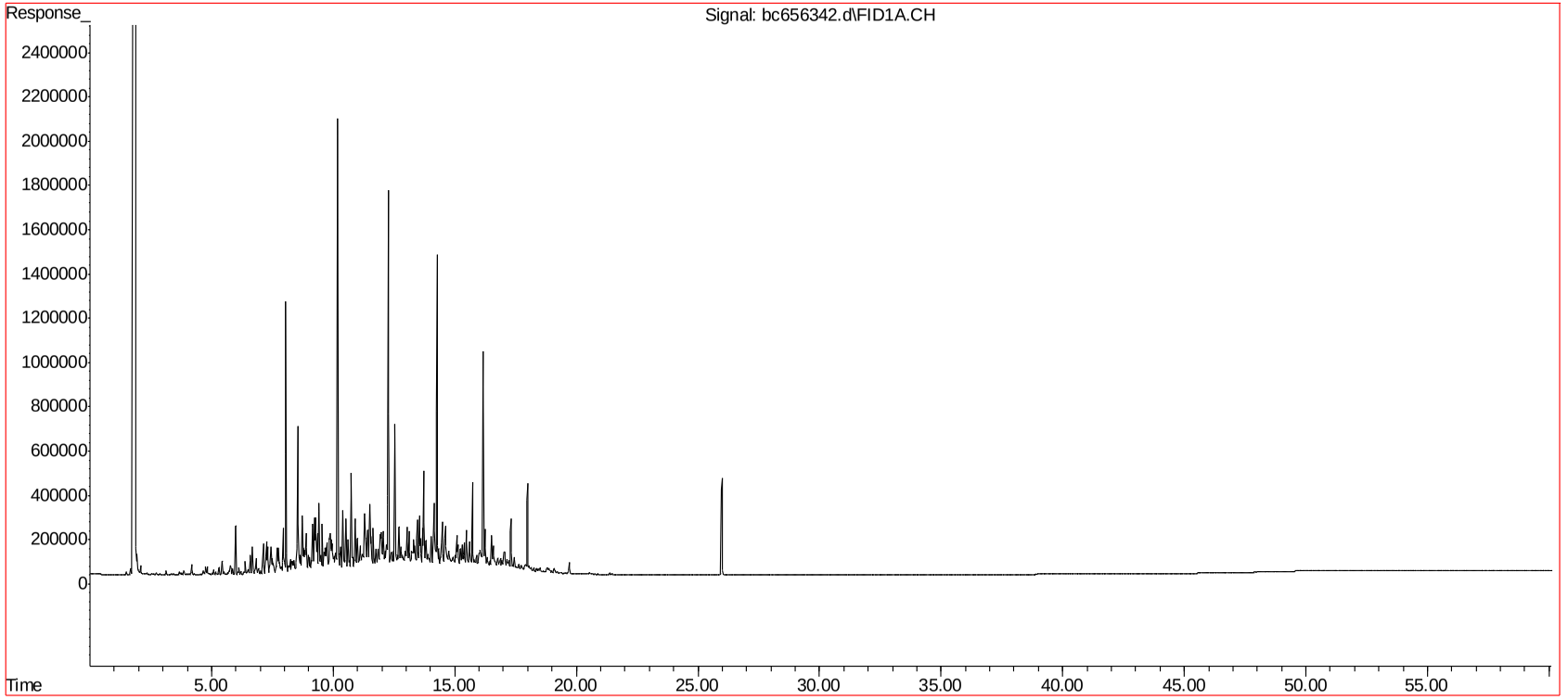


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656342.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 13:06:59
Operator : kimmien
Sample : ref JP-5 fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:37:59 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

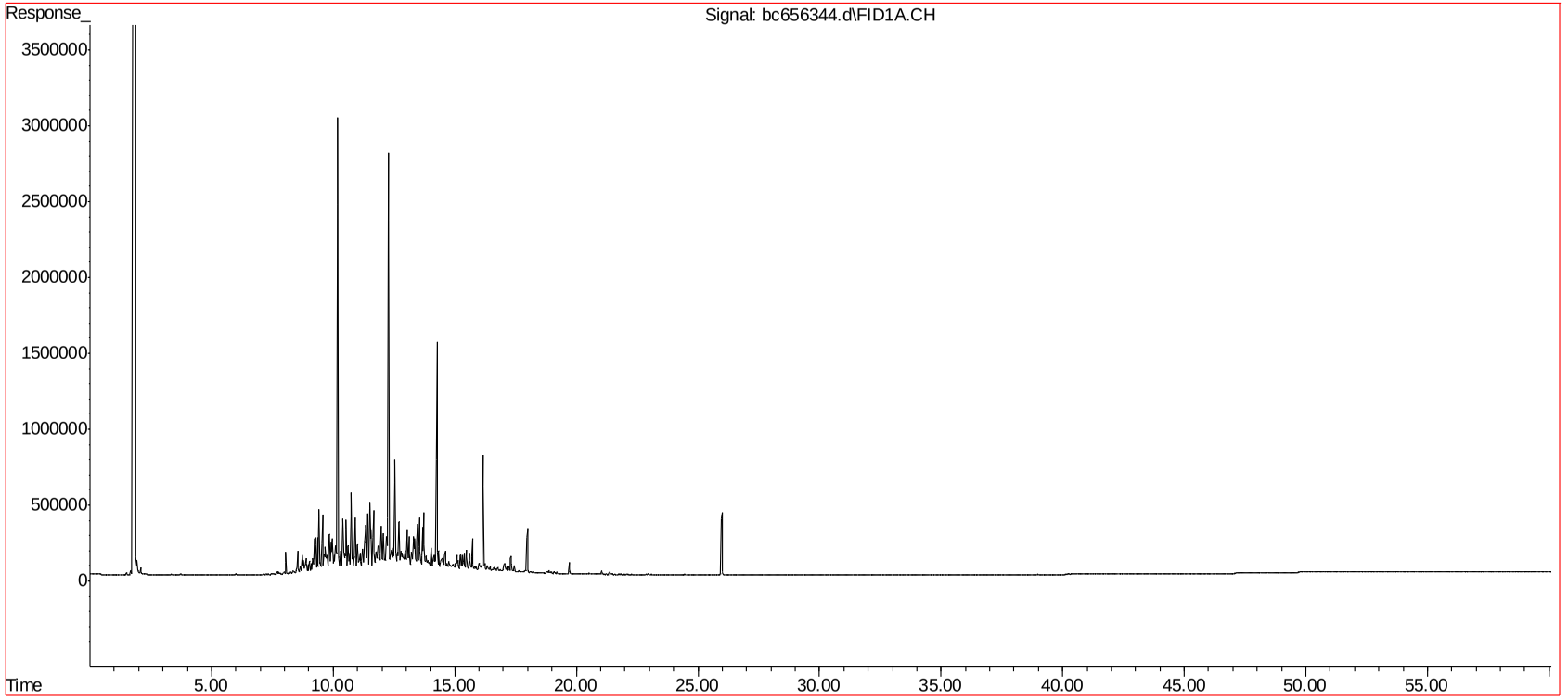


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656344.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 14:18:53
Operator : kimmien
Sample : ref bJP-7 fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:10 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

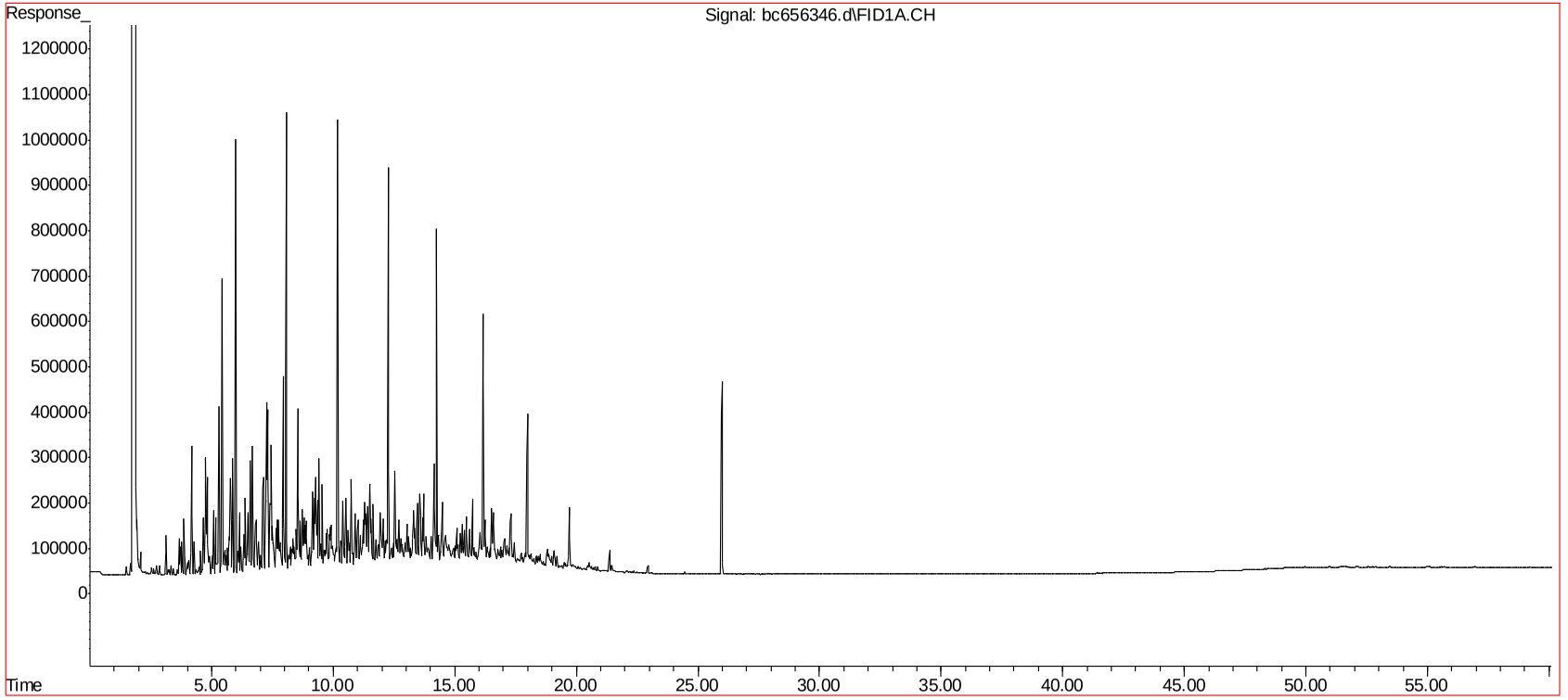


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656346.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 15:30:31
Operator : kimmien
Sample : ref JP-8 fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:17 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

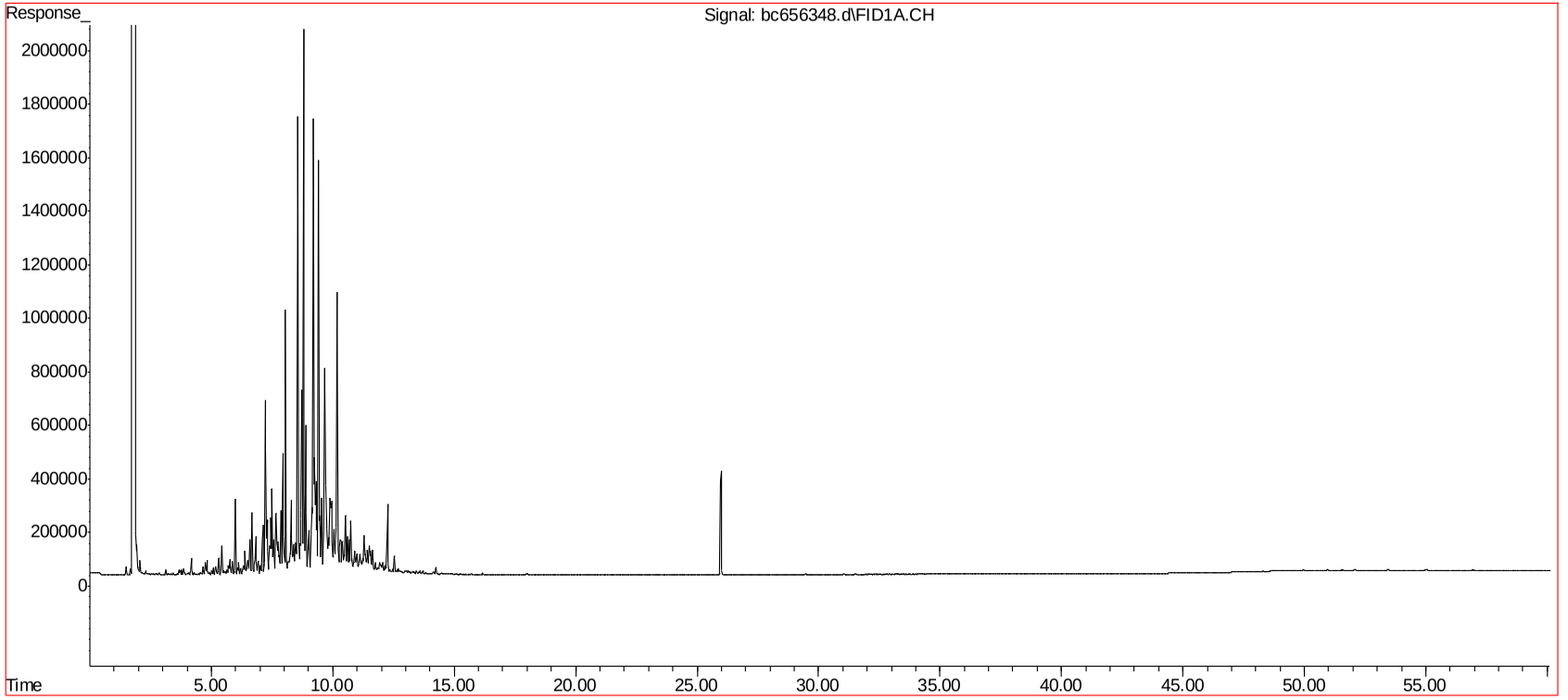


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656348.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 16:42:40
Operator : kimmien
Sample : ref JP-TS Aviation fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:25 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

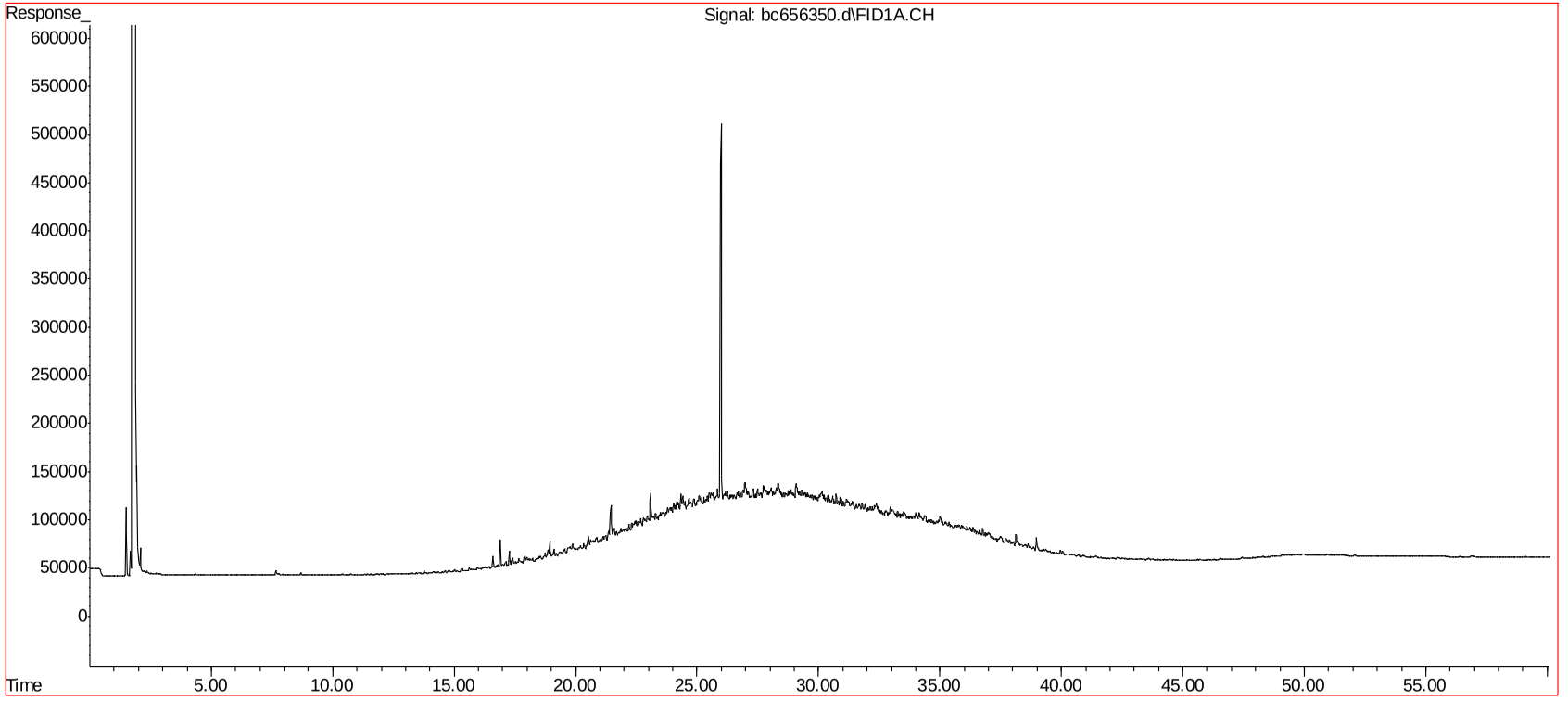


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656350.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 17:55:29
Operator : kimmien
Sample : ref hydraulic fluid
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:33 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

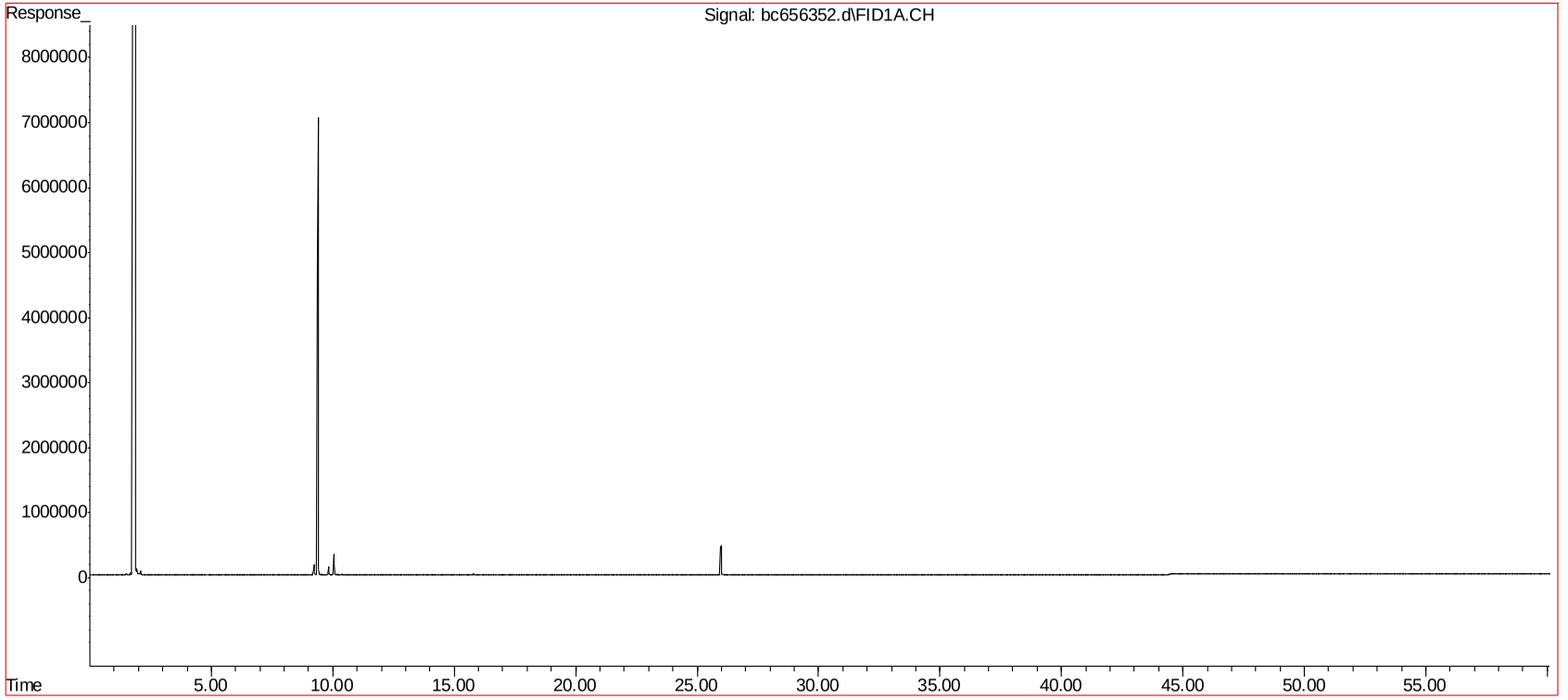


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656352.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 19:07:21
Operator : kimmien
Sample : ref JP-10 aviation fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:41 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

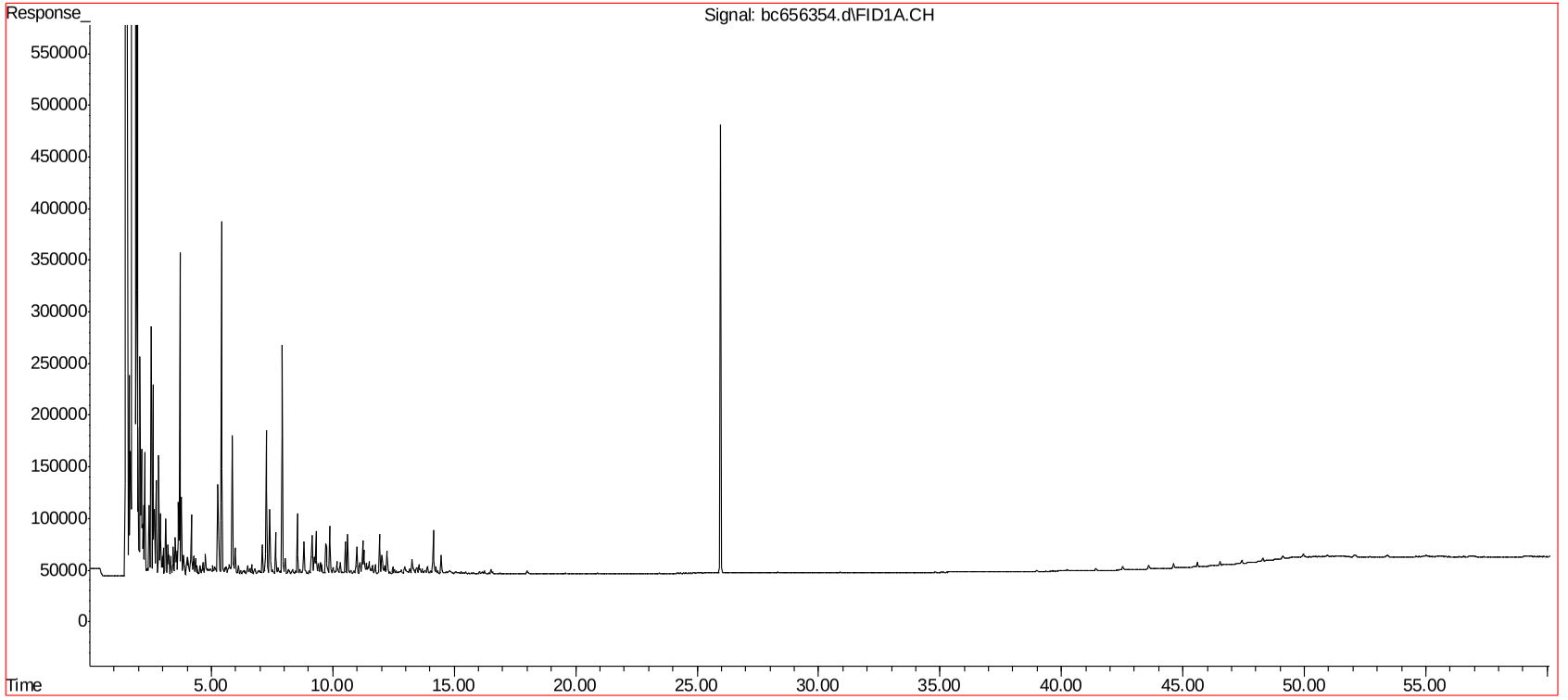


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656354.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 20:20:43
Operator : kimmien
Sample : ref gasoline-regular,unlead
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:50 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

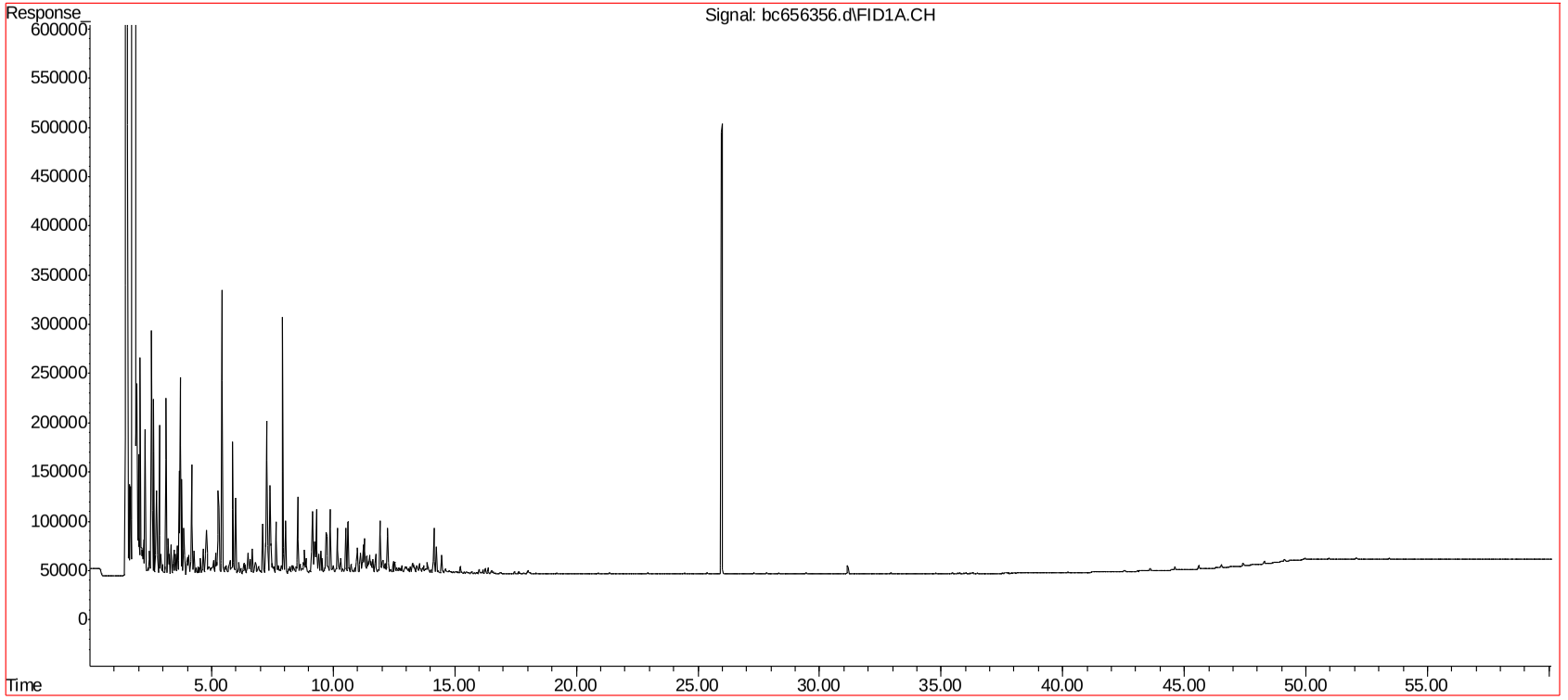


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656356.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 21:37:18
Operator : kimmien
Sample : ref gasoline-regular,lead
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:38:58 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

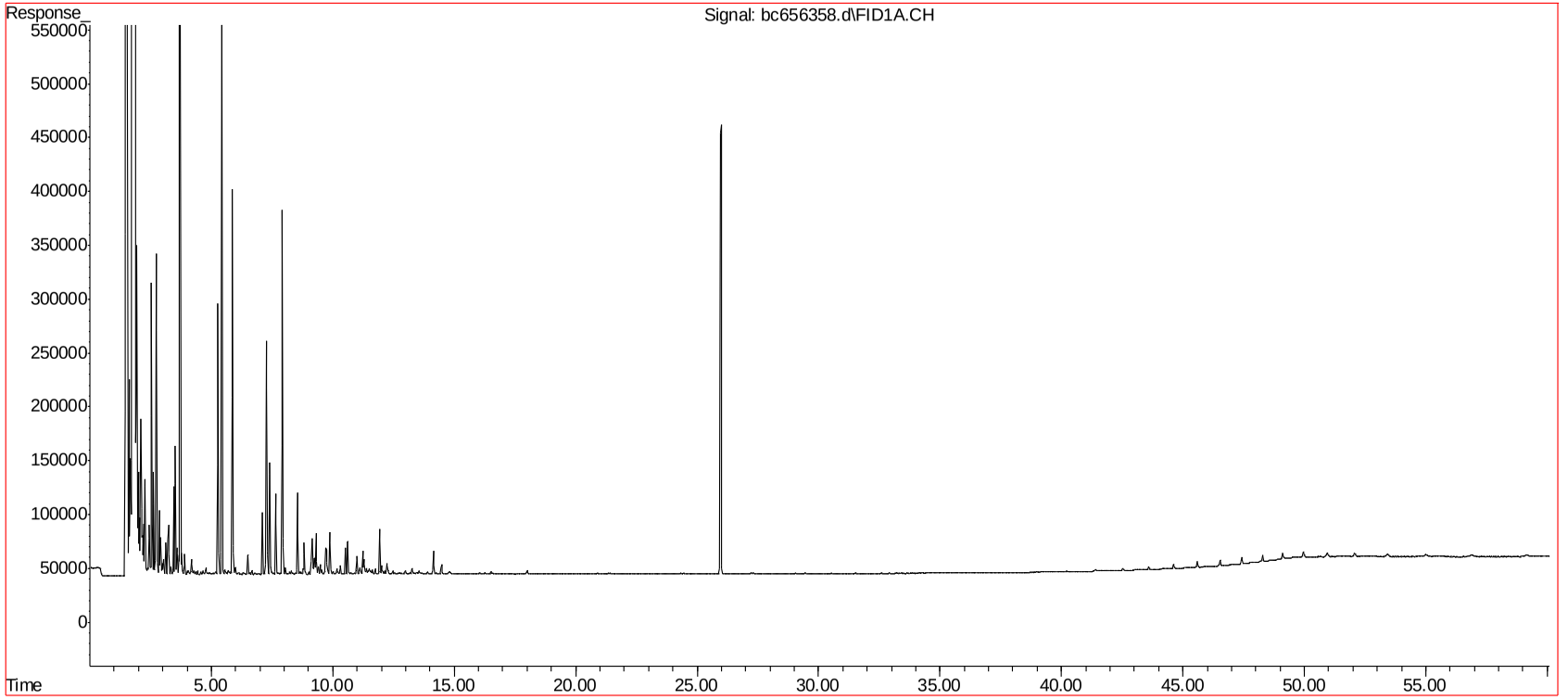


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656358.d
Signal(s) : FID1A.CH
Acq On : 14-Sep-13, 22:53:58
Operator : kimmien
Sample : ref gasoline-premium,unlead
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:06 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

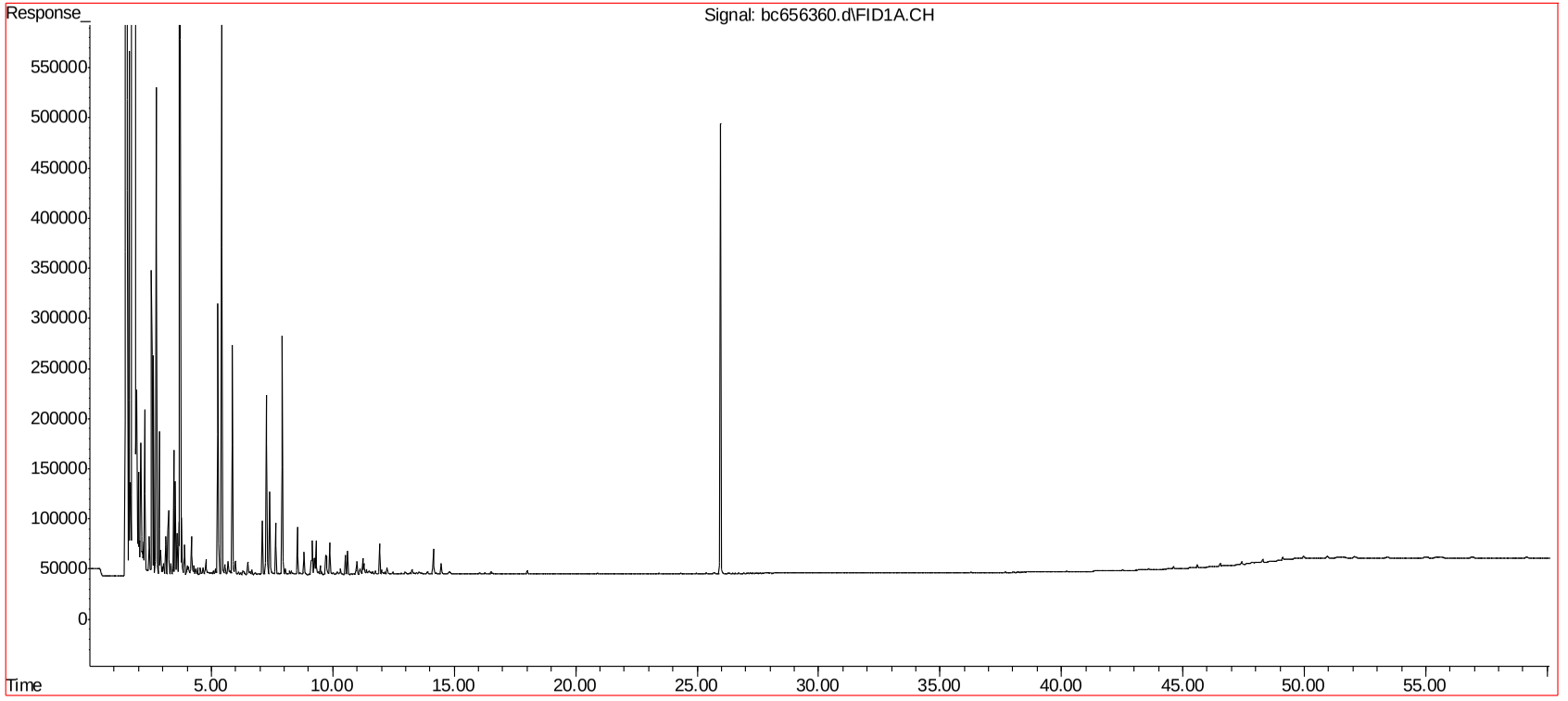


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656360.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 00:10:11
Operator : kimmien
Sample : ref RFA gasoline
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:15 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

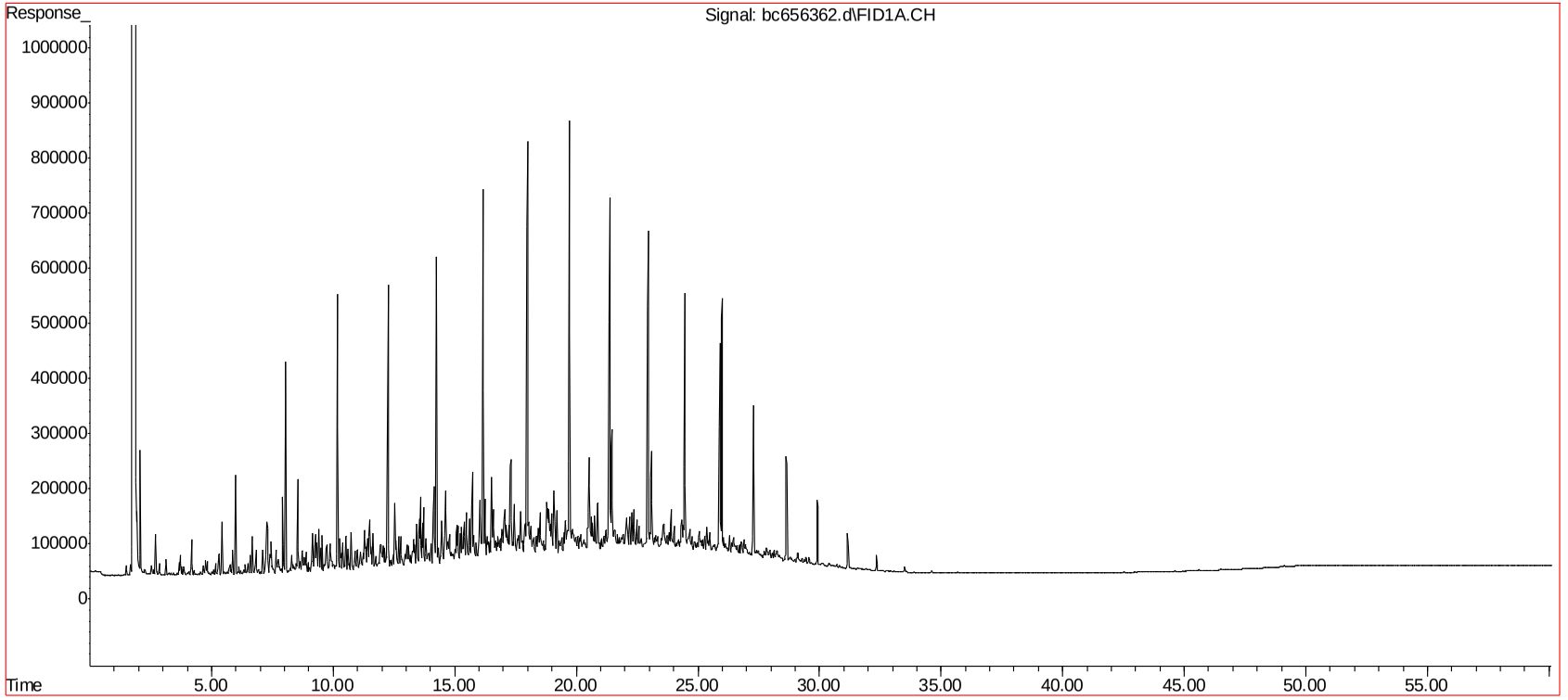


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656362.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 01:26:24
Operator : kimmien
Sample : ref diesel fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:22 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

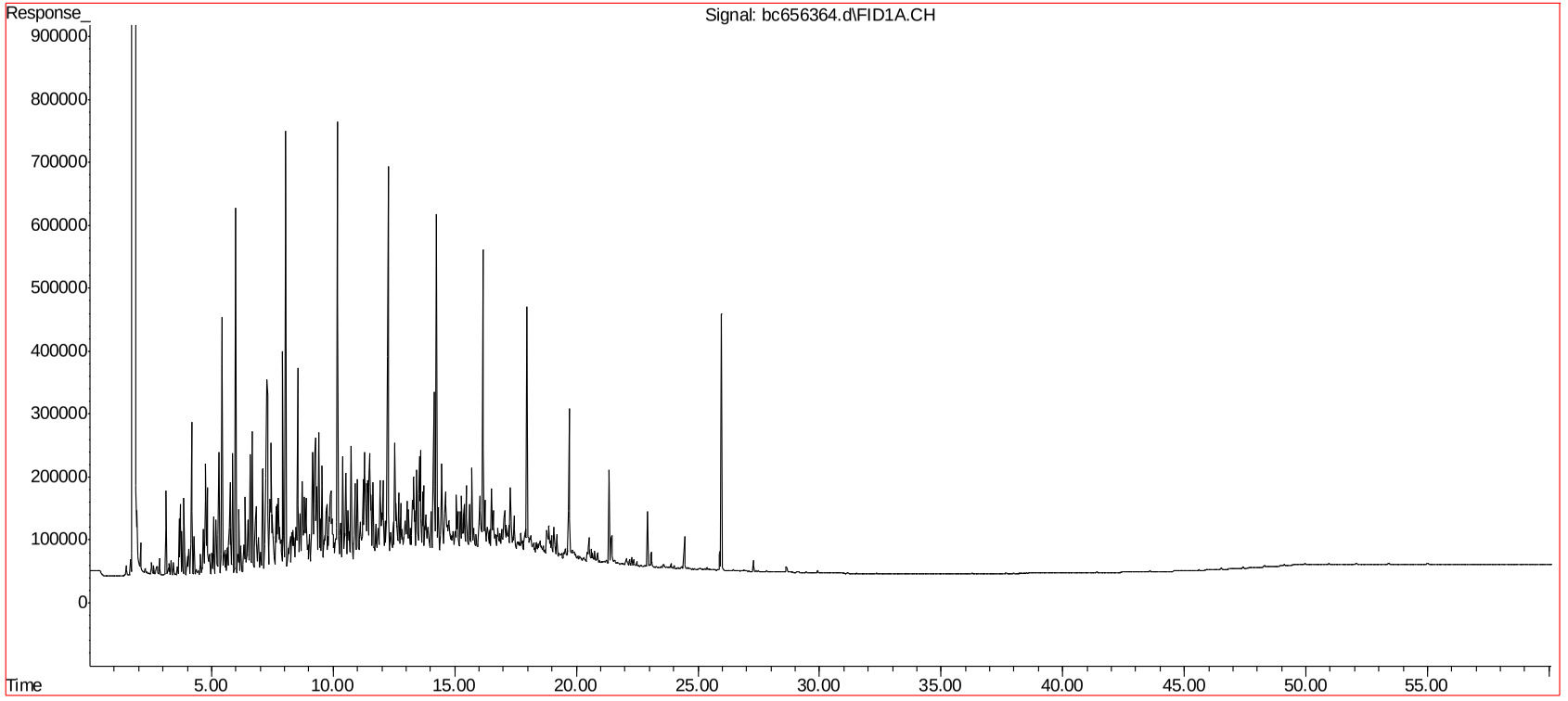


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656364.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 02:42:03
Operator : kimmien
Sample : ref #1 diesel-low sulfur
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:31 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

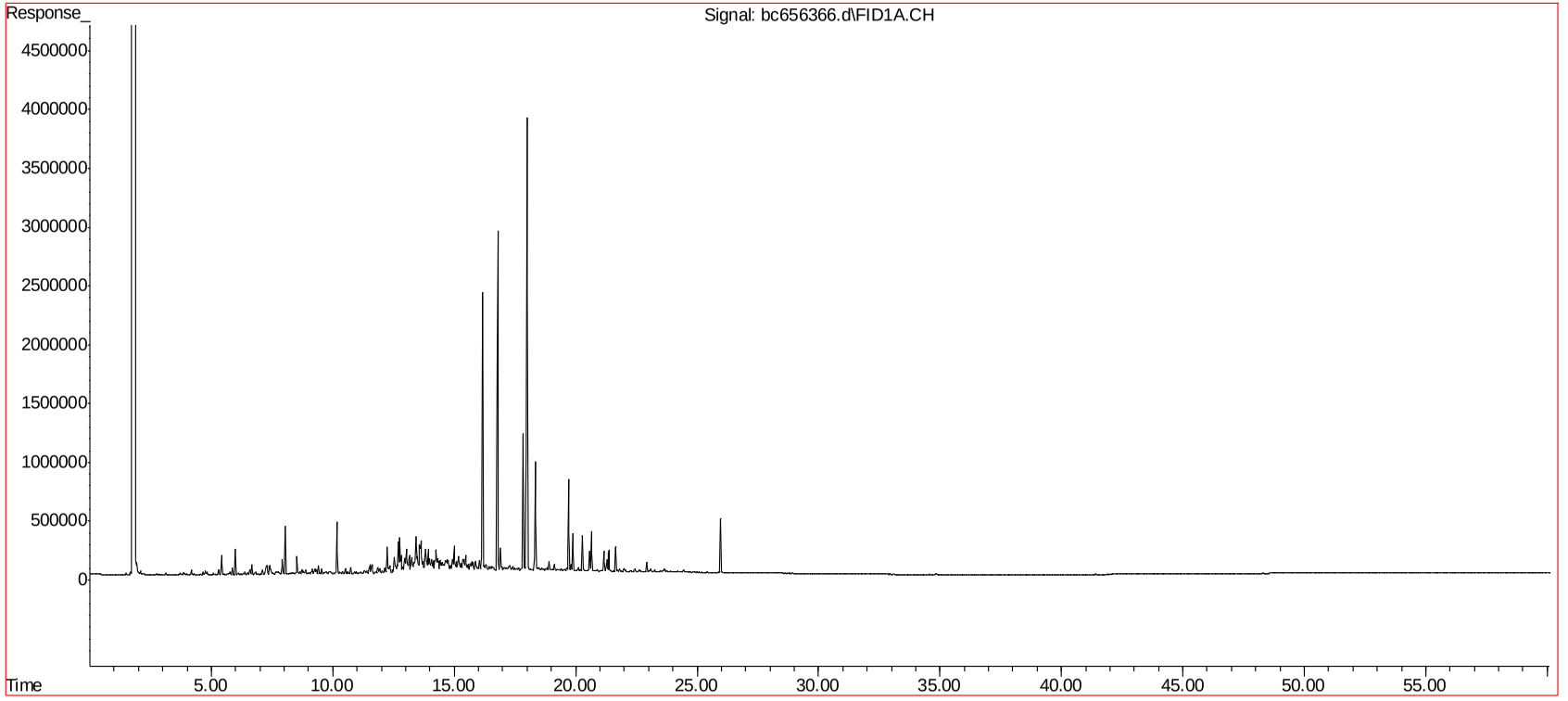


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656366.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 03:57:31
Operator : kimmien
Sample : ref #2 diesel fuel (extra low sulfur)
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:39 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

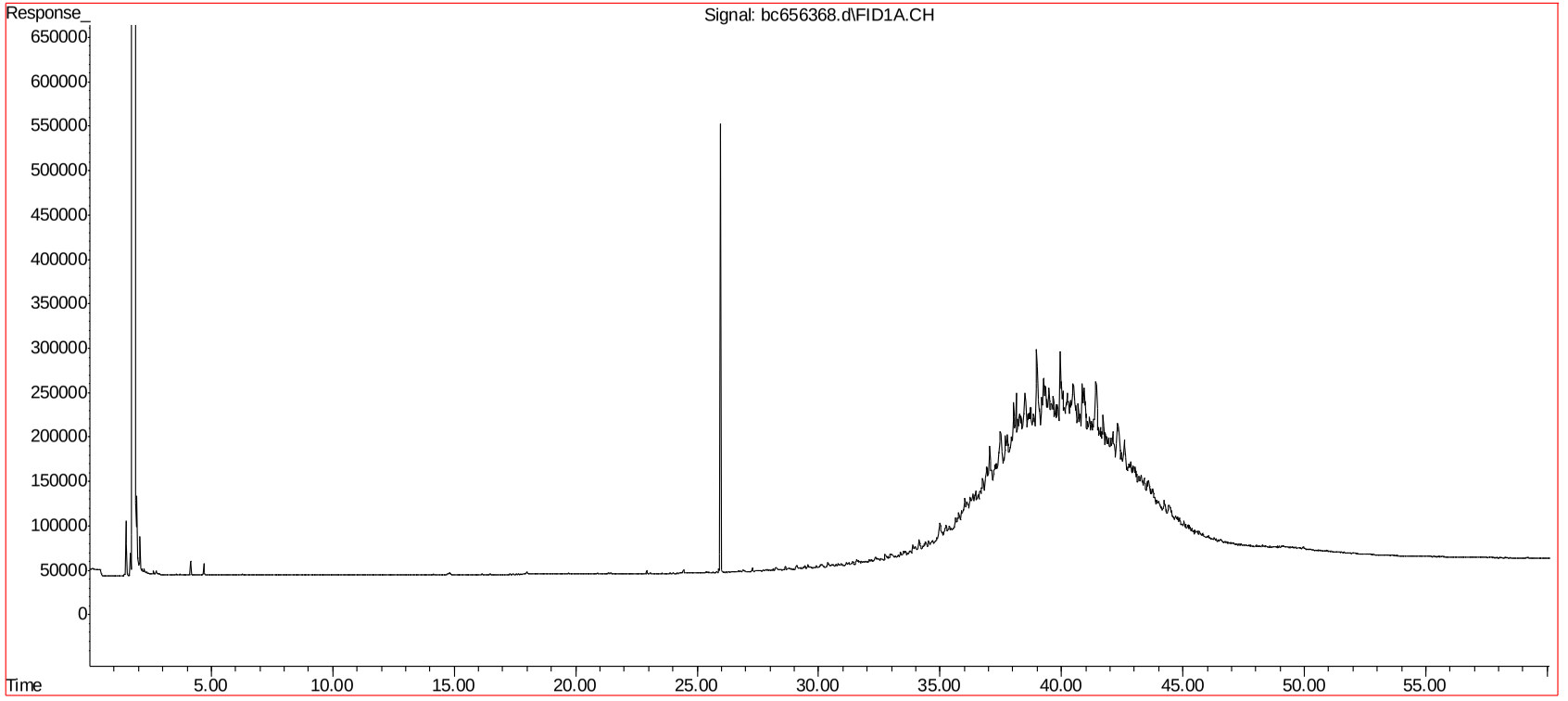


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656368.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 05:12:22
Operator : kimmien
Sample : ref sae 30w motor oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 30 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:48 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

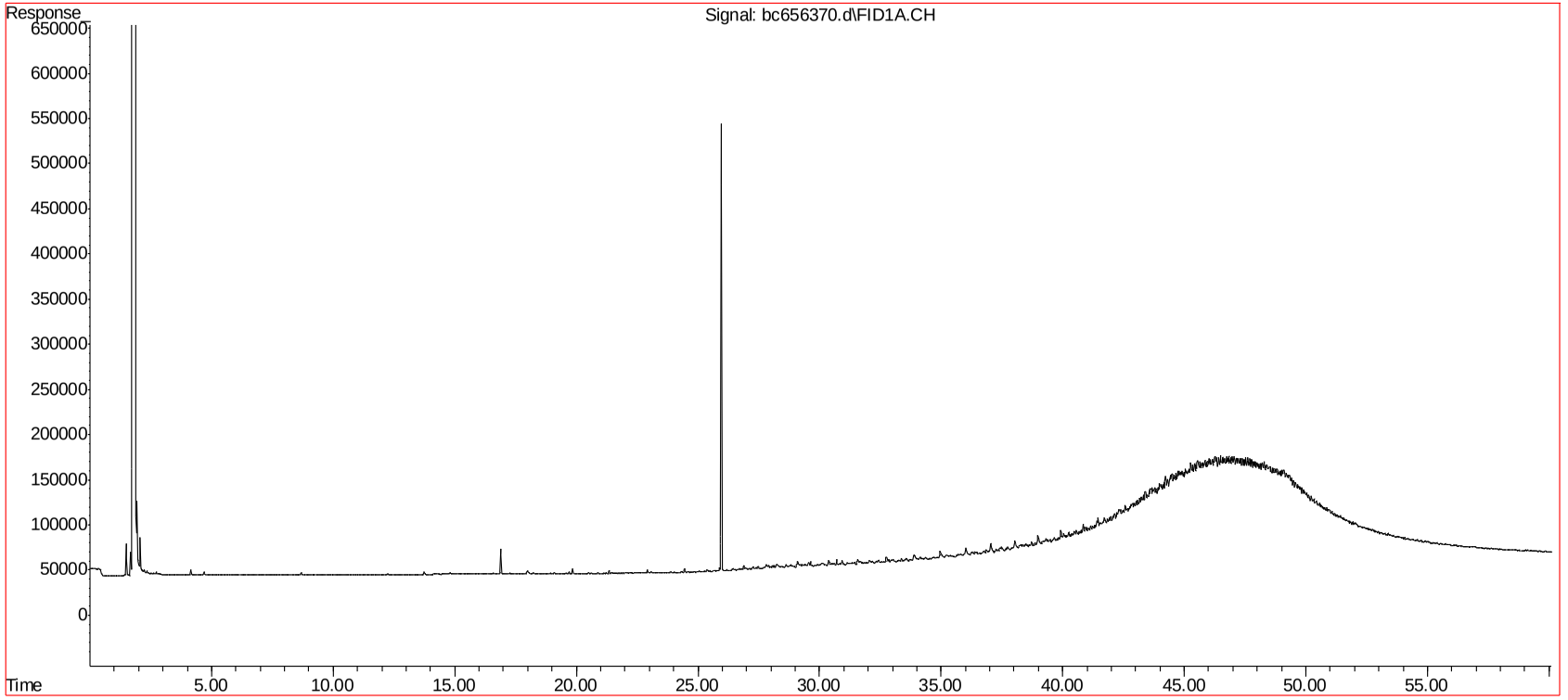


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656370.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 06:24:58
Operator : kimmien
Sample : ref sae 40w motor oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 31 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:39:58 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

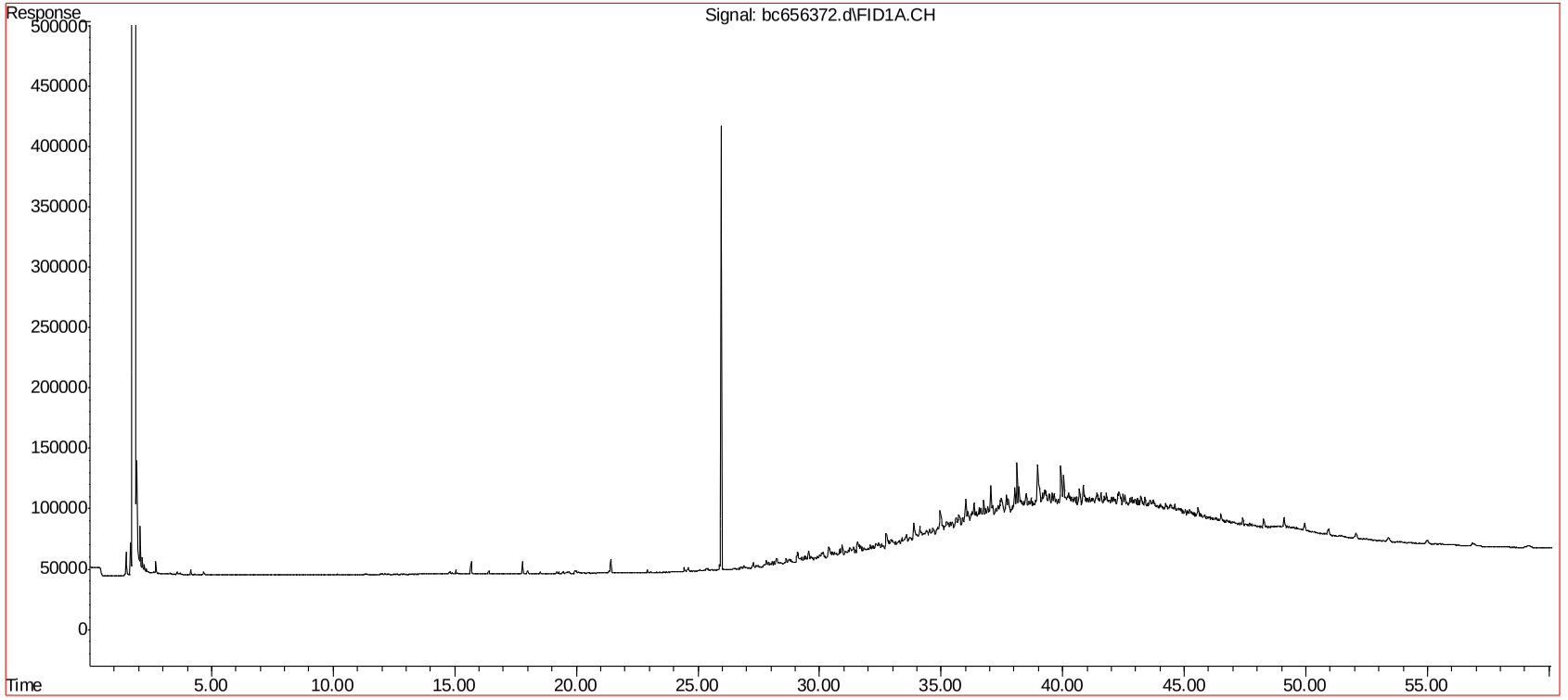


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656372.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 07:36:24
Operator : kimmien
Sample : ref sae 50w motor oil
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 32 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:40:06 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

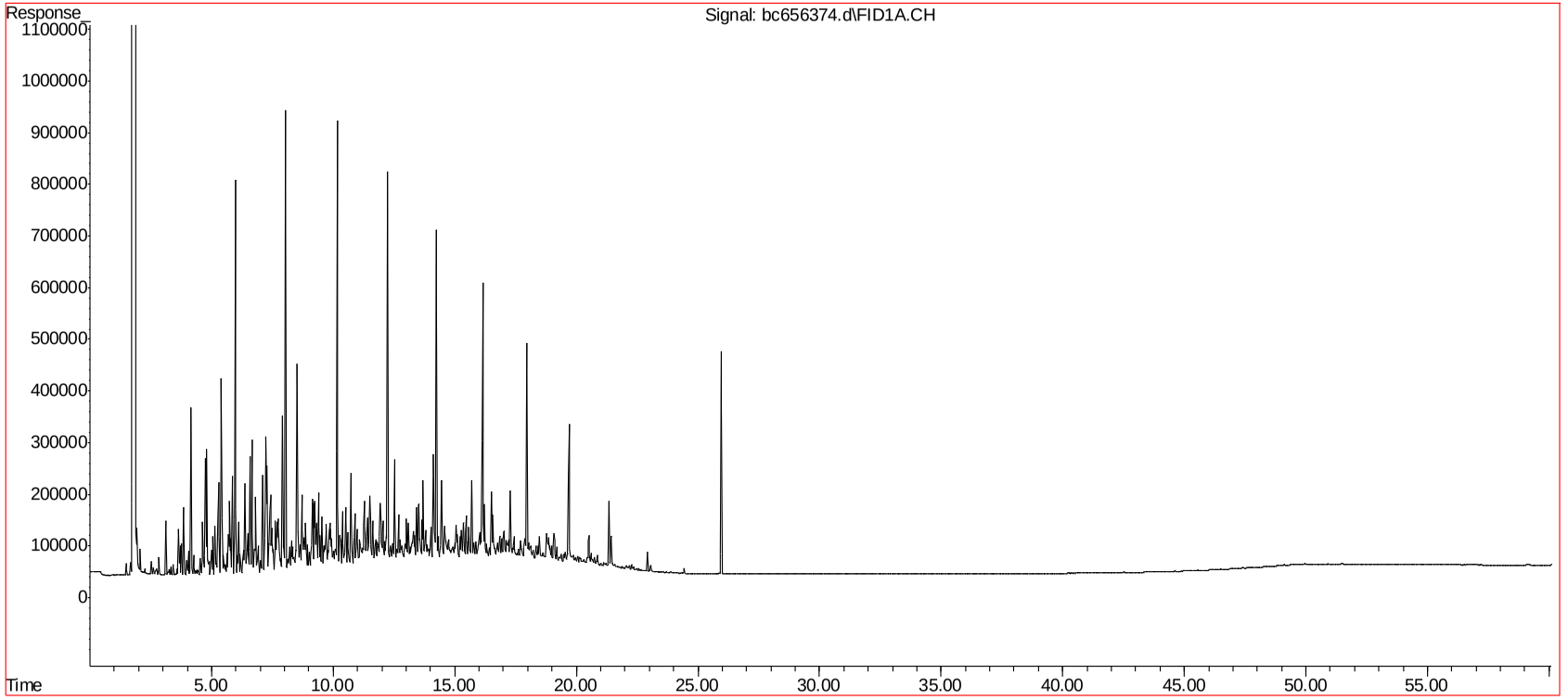


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656374.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 08:48:53
Operator : kimmien
Sample : ref arctic diesel fuel
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 33 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:40:15 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

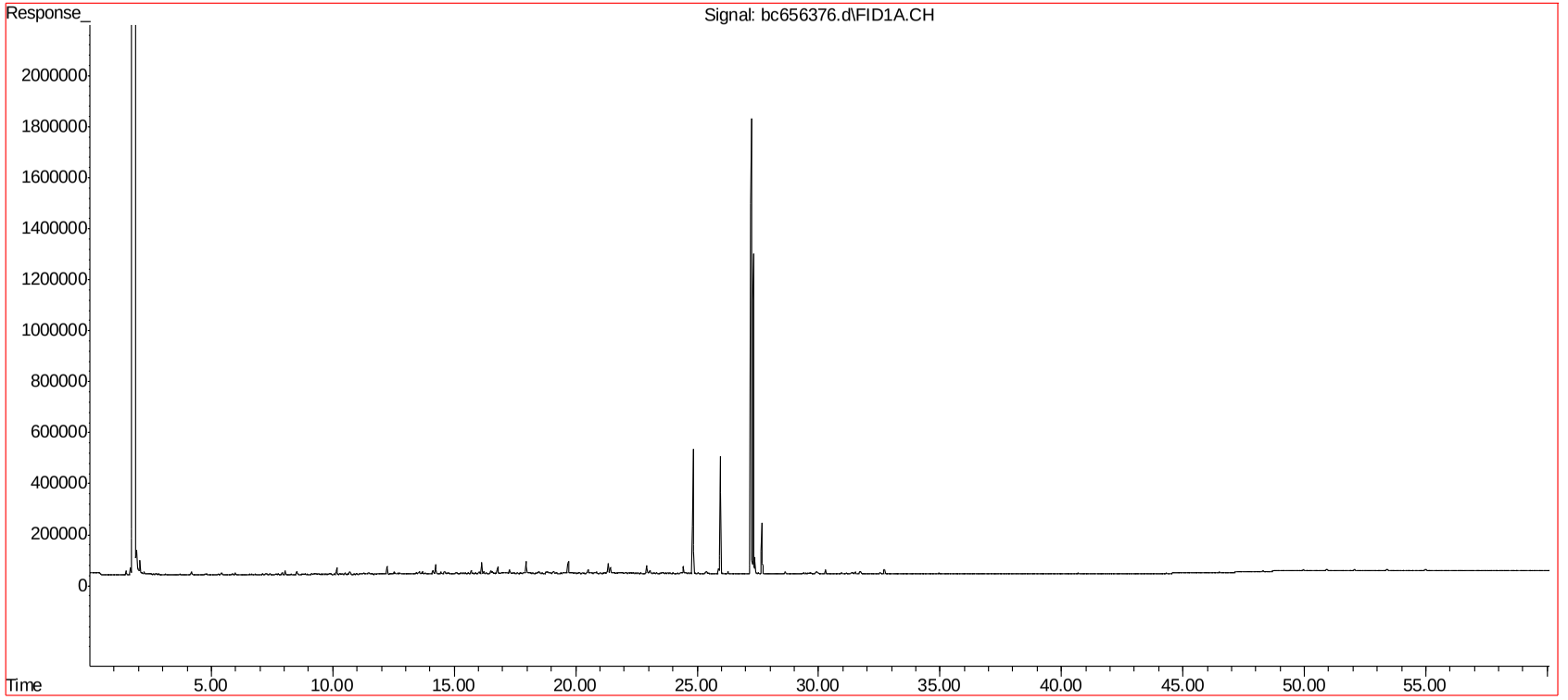


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656376.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 10:01:28
Operator : kimmien
Sample : ref biodiesel 100
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 34 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:40:23 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

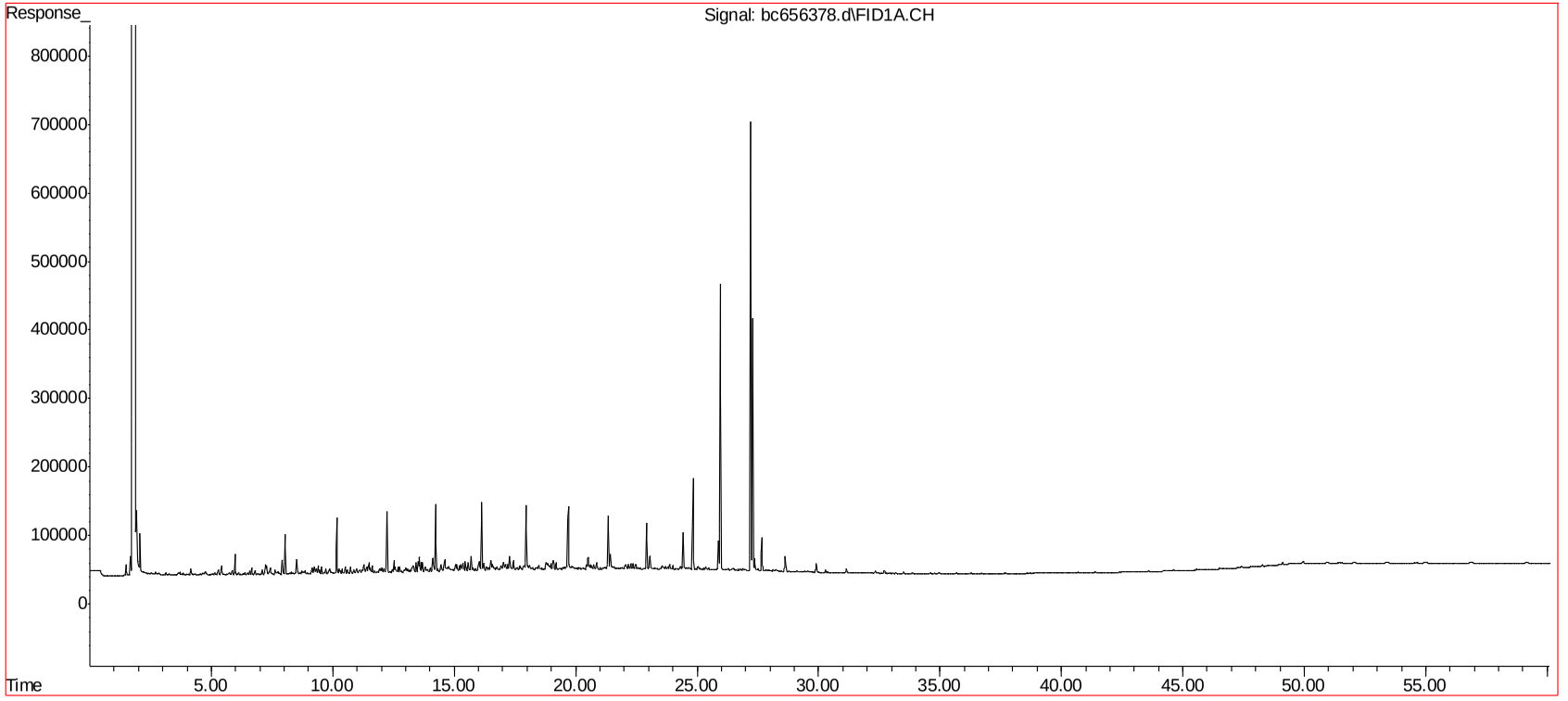


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\BC130913\
Data File : bc656378.d
Signal(s) : FID1A.CH
Acq On : 15-Sep-13, 11:13:15
Operator : kimmien
Sample : ref biodiesel 20
Misc : op34836,gbc3453,1,,,5,,
ALS Vial : 35 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 23 16:40:32 2013
Quant Method : C:\msdchem\1\methods\FGF130913.m
Quant Title : b8015 fing-front
QLast Update : Thu Aug 08 16:16:53 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



New England ACCUTEST LABORATORIES

05/21/14



Technical Report for

GEI/Atlantic

Former MGP Site, Claremont, NH

Accutest Job Number: MC30024R

Sampling Dates: 04/21/14 - 04/23/14

Report to:

GEI Consultants Inc.
18000 Horizon Drive Suite 200
Mount Laurel, NJ 08054
ARoyko@geiconsultants.com

ATTN: J. Stynchula

Total number of pages in report: **30**

NELAP ACCREDITED TNI LABORATORY

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

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

GEI/Atlantic

Job No: MC30024R

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-1R	04/21/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-24/9
MC30024-2R	04/21/14	14:40	LSGS	04/23/14	SO	Soil	CLMT-SB-5
MC30024-3R	04/21/14	15:30	LSGS	04/23/14	SO	Soil	CLMT-SB-7
MC30024-4R	04/21/14	16:30	LSGS	04/23/14	SO	Soil	CLMT-SB-8
MC30024-5R	04/22/14	09:00	LSGS	04/23/14	SO	Soil	CLMT-SB-10
MC30024-6R	04/22/14	09:55	LSGS	04/23/14	SO	Soil	CLMT-SB-11
MC30024-7R	04/22/14	10:40	LSGS	04/23/14	SO	Soil	CLMT-SB-12
MC30024-8R	04/22/14	11:15	LSGS	04/23/14	SO	Soil	CLMT-SB-14
MC30024-9R	04/22/14	12:00	LSGS	04/23/14	SO	Soil	CLMT-SB-17
MC30024-10R	04/22/14	15:10	LSGS	04/23/14	SO	Soil	CLMT-SB-23
MC30024-11R	04/22/14	16:15	LSGS	04/23/14	SO	Soil	CLMT-SB-22
MC30024-13R	04/22/14	16:25	LSGS	04/23/14	SO	Soil	CLMT-SB-21
MC30024-14R	04/22/14	16:35	LSGS	04/23/14	SO	Soil	CLMT-SB-1

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

Sample Summary
(continued)

GEI/Atlantic

Job No: MC30024R

Former MGP Site, Claremont, NH

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30024-16R	04/23/14	09:40	LSGS	04/23/14	SO	Soil	CLMT-SB-13

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

Summary of Hits

Job Number: MC30024R
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-1R	**CLMT-SB-24/9**					
Lead		0.77	0.010		mg/l	SW846 6010C
MC30024-2R	**CLMT-SB-5**					
No hits reported in this sample.						
MC30024-3R	**CLMT-SB-7**					
No hits reported in this sample.						
MC30024-4R	**CLMT-SB-8**					
Lead		0.22	0.010		mg/l	SW846 6010C
MC30024-5R	**CLMT-SB-10**					
Lead		0.41	0.010		mg/l	SW846 6010C
MC30024-6R	**CLMT-SB-11**					
Lead		0.15	0.010		mg/l	SW846 6010C
MC30024-7R	**CLMT-SB-12**					
No hits reported in this sample.						
MC30024-8R	**CLMT-SB-14**					
Benzene [a]		1.89	0.10		mg/l	SW846 8260C
MC30024-9R	**CLMT-SB-17**					
Benzene [a]		3.66	0.10		mg/l	SW846 8260C
MC30024-10R	**CLMT-SB-23**					
Lead		0.15	0.010		mg/l	SW846 6010C
MC30024-11R	**CLMT-SB-22**					
No hits reported in this sample.						

Summary of Hits

Job Number: MC30024R
Account: GEI/Atlantic
Project: Former MGP Site, Claremont, NH
Collected: 04/21/14 thru 04/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30024-13R	**CLMT-SB-21**					
Lead		5.6	0.010		mg/l	SW846 6010C
MC30024-14R	**CLMT-SB-1**					
No hits reported in this sample.						
MC30024-16R	**CLMT-SB-13**					
Lead		0.14	0.010		mg/l	SW846 6010C

(a) Sample leaching procedure performed outside recommended hold time per client request.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	60.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76705.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-24/9		
Lab Sample ID:	MC30024-1R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	60.9
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.77	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-5		
Lab Sample ID:	MC30024-2R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	85.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76706.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%		70-130%
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-7		
Lab Sample ID:	MC30024-3R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	87.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76707.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	66.5
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76708.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	93%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-8		
Lab Sample ID:	MC30024-4R	**Date Sampled:**	04/21/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	66.5
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.22	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-10		
Lab Sample ID:	MC30024-5R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	82.7
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.41	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-11		
Lab Sample ID:	MC30024-6R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76709.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-11		
Lab Sample ID:	MC30024-6R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	71.7
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.15	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-12		
Lab Sample ID:	MC30024-7R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	71.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76710.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	92%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-14		
Lab Sample ID:	MC30024-8R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	57.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76711.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	1.89	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		70-130%
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	79%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-17		
Lab Sample ID:	MC30024-9R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	68.4
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76712.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	3.66	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	75.7
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76713.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-23		
Lab Sample ID:	MC30024-10R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	75.7
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.15	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-22		
Lab Sample ID:	MC30024-11R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	84.8
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76714.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	98.0
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76715.D	100	05/13/14	JB	05/12/14	GP17595	MSP2498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-21		
Lab Sample ID:	MC30024-13R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	98.0
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.6	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	CLMT-SB-1		
Lab Sample ID:	MC30024-14R	**Date Sampled:**	04/22/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	67.6
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76793.D	100	05/15/14	JB	05/12/14	GP17595	MSP2501
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16R	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
Method:	SW846 8260C SW846 1311	**Percent Solids:**	74.9
Project:	Former MGP Site, Claremont, NH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P76794.D	100	05/15/14	JB	05/12/14	GP17595	MSP2501
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) Sample leaching procedure performed outside recommended hold time per client request.

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	CLMT-SB-13		
Lab Sample ID:	MC30024-16R	**Date Sampled:**	04/23/14
Matrix:	SO - Soil	**Date Received:**	04/23/14
		Percent Solids:	74.9
Project:	Former MGP Site, Claremont, NH		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	0.14	D008	5.0	0.010	mg/l	1	05/13/14	05/14/14	EAL	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA17141
(2) Prep QC Batch: MP23039

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 2

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # MC30024R

Client / Reporting Information

Company Name: GEI Consultants
Street Address: 18000 Horizon Way
City State Zip: Mt Laurel, NJ 08054
Project Contact E-mail: J.Stynchula@geiconsultants.com
Phone # Fax #: 856-608-6860
Sampler(s) Name(s) Phone #: L Sutton/G Schmidt

Project Information

Project Name: Claremont
Street:
City: Claremont
Project#:
Client PO#:
Project Manager: J. Stynchula

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City State Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	8 SOL	HM 8, AB8270APP, AB270	V, SULFUR, CN, BTU, PB0825	B8	VB015GRO	VB260STD	ZN, TL, SB, NI, BE	LAB USE ONLY
-1	CLMT-SB-24/9		4/21/14	12:00	LS	S	7				2	3	2				X	X	X	X	X	X	X	
-2	CLMT-SB-5		4/21/14	14:40	LS	S	7				2	3	2				X	X	X	X	X	X	X	
-3	CLMT-SB-7		4/21/14	15:30	LS	S	7				2	3	2				X	X	X	X	X	X	X	
-4	CLMT-SB-8		4/21/14	16:30	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-5	CLMT-SB-10		4/22/14	9:00	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-6	CLMT-SB-11		4/22/14	9:55	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-7	CLMT-SB-12		4/22/14	10:40	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-8	CLMT-SB-14		4/22/14	11:15	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-9	CLMT-SB-17		4/22/14	12:00	LS	S	8				2	4	2				X	X	X	X	X	X	X	
-10	CLMT-SB-23		4/22/14	15:10	LS	S	8				2	4	2				X	X	X	X	X	X	X	3D, 10I2
-11	CLMT-SB-22		4/22/14	16:15	LS	S	8				2	4	2				X	X	X	X	X	X	X	10I3, 10I5
-12	CLMT-SED-1		4/22/14	16:00	LS	S	8				2	4	2				X	X	X	X	X	X	X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date: Standard-Contract

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

WASTE CLASS

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

Relinquished by Sampler:	Date Time: 4/23/14 1510	Received By: 1	Relinquished By: 2	Date Time: 4/24/14 1020	Received By: 2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not Intact	Preserved where applicable ☐

On Ice ☑ Cooler Temp. 1.4° 2.1° 0.3°

MC30024R: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 2 OF 2

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # MC30024R

Client / Reporting Information

Company Name: GEI Consultants
Street Address: 18000 Horizon Way
City: Mt Laurel State: NJ Zip: 08054
Project Contact: J.Stynchula@geiconsultants.com E-mail:
Phone #: 856-608-6860 Fax #:
Sampler(s) Name(s): L.Sutton/G.Schmidt Phone #:

Project Information

Project Name: Claremont
Street:
City: Claremont
Project #:
Client PO#:
Project Manager: J.Stynchula

Billing Information (If different from Report to)

Company Name: SAME
Street Address:
City State Zip
Attention: PO#

Requested Analysis (see TEST CODE sheet)

8260 SOL; 8260 HM; 8270 PAH, 8270 PP; V.SULFUR, CN, BTU, P208; BB; V8015/8RO; V8260STD; ZN, TL, SB, NI, BE

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-13	CLMT-SB-21		4/22/14	16:25	LS	S	8				2	4		2			
14	CLMT-SB-1		4/22/14	16:35	LS	S	8				2	4		2			
-15	CLMT-SB-15		4/23/14	9:15	LS	S	8				2	4		2			
16	CLMT-SB-13		4/23/14	9:40	LS	S	8				2	4		2			
-17	CLMT-SB-16		4/23/14	10:10	LS	S	8				2	4		2			
-18	CLMT-SB-18		4/23/14	10:35	LS	S	8				2	4		2			
-19	CLMT-SB-19		4/23/14	11:00	LS	S	8				2	4		2			
-20	CLMT-SB-20		4/23/14	13:25	LS	S	8				2	4		2			

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- Std. 10 Business Days
- Std. 5 Business Days (By Contract only) Standard Contract
- 5 Day *RUSH*
- 3 Day *EMERGENCY*
- 2 Day *EMERGENCY*
- 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

WASTE CLASS

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4/23/14 15:10	1	2	4/23/14 1800	2
3	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp.

MC30024R: Chain of Custody
Page 2 of 2

Appendix E

Project Organizational Chart

Claremont, NH MGP Removal Action Project Organizational Chart UGI/Amerigas Propane

UGI/Amerigas Propane
Tony Rymar

USEPA
On-Scene Coordinator
Gary Lipson

City of Claremont

NHDES
John Regan

GEI Consultants, Inc.

In-House Consultants
Barry Raus

Project Manager
Jamey Stynchula, P.G.

Remediation Construction Manager
TBD

Remediation Subcontractors

Project Engineer
Chris Pray, P.E.

Ecological/Natural Resources
Erin Brosnan

GEI Consultants

Appendix F

Costing Spreadsheets

Table 2A
Preliminary Cost Estimate
Claremont Former MGP Site
Claremont, New Hampshire

GEI Consultants, Inc. (GEI) has prepared this preliminary cost estimate to complete the soil and sediment remediation at the Claremont Former MGP Site in Claremont, New Hampshire. GEI's estimate is based on published RS Means Cost Data, Vendor Costs, and on GEI's project experience. In order to prepare this estimate, GEI made basic assumptions as to actual site conditions that should be encountered; specific decisions and costs by other design professionals to be engaged by the contractor; the means, materials, methods of construction, and schedule the contractor will use/determine; and various other factors (see Assumptions). An actual contractor's bid price to perform this work may vary from this estimate based on variances in the above-mentioned assumptions.

Remedial Component	Unit	Unit Price	Quantity	Total Cost
DESIGN AND OVERSIGHT				
Consultant Design Fees and Constuction Management				
1 Includes engineer's design and contract drawings, work plan, final engineering report, site site management plan, construction oversight, air monitoring, and confirmation sampling (generally taken as 10% of the subtotal cost of the construction work). Duratiuon of work is assumed to be 2 months.	Lump Sum	$ 115,243.81	1.00	$ 115,243.81
Grounwater monitoring/O&M, ecological risk assessment and NHDES reporting	Lump Sum	$ 110,000.00	1.00	$ 110,000.00
			Subtotal	**$ 225,243.81**
			% Total Capital Costs	15%
CONSTRUCTION COMPONENTS				
Site Preparation				
1 Mobilization	Lump Sum	$ 35,000.00	1.00	$ 35,000.00
2 Survey and Layout Work	Lump Sum	$ 10,000.00	1.00	$ 10,000.00
3 Facilities and Site Control	Lump Sum	$ 25,000.00	1.00	$ 25,000.00
4 Dredging Turbidity Controls	Lump Sum	$ 25,000.00	1.00	$ 25,000.00
Demolition				
1 Building Demolition	Cubic Foot	$ 0.37	97560.00	$ 36,097.20
2 Building Foundation Demolition	Linear Foot	$ 17.99	658.00	$ 11,837.42
Earthwork				
1 Excavation	Cubic Yard	$ 17.00	4071.00	$ 69,207.00
2 Transportation and Disposal - Construction Debris/Building Materials	Ton	$ 45.00	487.80	$ 21,951.00
3 Transportation and Disposal - Soil - Thermal Desorption	Ton	$ 75.00	6920.70	$ 519,052.50
4 Transportation and Disposal - Sediment - Thermal Desorption	Ton	$ 100.00	1035.28	$ 103,528.00
5 In-situ Stabilization	Cubic Yard	$ 50.00	3009.00	$ 150,450.00
6 Backfill (Borrow, Compaction, and Grading)	Cubic Yard	$ 15.00	4071.00	$ 61,065.00
7 Seeding	Square Foot	$ 0.25	53000.00	$ 13,250.00
Dewatering				
1 Dewatering, conveyance and off-site disposal	Lump Sum	$ 40,000.00	1.00	$ 40,000.00
2 Containerization of wastewater for off-site disposal	Month	$ 3,000.00	2.00	$ 6,000.00
Utility Protection				
1 Protection/upgrades to santiatry sewer line	Lump Sum	$ 25,000.00	1.00	$ 25,000.00
			Subtotal	**$ 1,152,438.12**
General Conditions				
1 Ancillary cost of work items (e.g. health & safety oversight, bottled water, permit fees, PPE) generally taken as 10% of the subtotal cost of the construction work.	Lump Sum	$ 115,243.81	1.00	$ 115,243.81
			Subtotal with General Conditions	**$ 1,267,681.93**
			% Total Capital Costs	85%
COST SUMMARY				
Total Capital Costs				$ 1,492,925.74
Capital Costs Contingency			10%	$ 149,292.57
			TOTAL COST	**$ 1,642,218.32**
			TOTAL COST (Rounded)	**$ 1,643,000.00**

Table 2A
Preliminary Cost Estimate
Claremont Former MGP Site
Claremont, New Hampshire

GEI Consultants, Inc (GEI) has prepared this preliminary cost estimate to complete the soil and sediment remediation at the Claremont Former MGP Site in Claremont, New Hampshire. GEI's estimate is based on published RS Means Cost Data, Vendor Costs, and on GEI's project experience. In order to prepare this estimate, GEI made basic assumptions as to actual site conditions that should be encountered; specific decisions and costs by other design professionals to be engaged by the contractor; the means, materials, methods of construction, and schedule the contractor will use/determine; and various other factors (see Assumptions). An actual contractor's bid price to perform this work may vary from this estimate based on variances in the above-mentioned assumptions.

Assumptions

CONSULTANT DESIGN FEES AND CONSTRUCTION MANAGEMENT

Includes engineer's design and contract drawings, work plan, final engineering report, site management plan, construction oversight, air monitoring, and confirmation sampling (generally taken as 10% of the subtotal cost of the construction work)

Groundwater monitoring assumes 5 overburden wells with 8 quarters of sampling. Ecological risk assessment required for sediment. NHDES reporting required.

SITE PREPARATION

Mobilization - Cost based on GEI previous project experience.

Survey and Site Layout Work - Cost based on GEI previous project experience.

Facilities and Site Control - Cost based on GEI previous project experience.

Demolition - Unit rate based on RS Means--assumes masonry structure and that footings are around the perimeter (1' thick and 2' wide) multiplied by two to account for interior column footings. Assumes no asbestos or similar material requires removal and disposal from the building.

EARTHWORK

Volumes presented are based on areas from AutoCAD drawing with an additional 10% added.

Assuming 1.7 tons per cubic yard of soil and construction debris.

Assuming 1.5 tons per cubic yard of sediment.

Excavation - Cost based on GEI previous project experience.

Dredging - Cost based on GEI previous project experience.

Transportation and Disposal Construction Debris/Building Materials - Cost based on GEI previous project experience. Assumes no asbestos or similar material requires removal and disposal from the building.

Transportation and Disposal - Soil - Thermal Desorption - Cost based on GEI previous project experience.

Utility Protection

Protection/upgrades to santiatry sewer line

Transportation and Disposal - Sediment - Thermal Desorption - Cost based on GEI previous project experience.

Backfill - Cost based on GEI experience and recent contractor pricing for 2011; increased by 4% for each year due to inflation.

Assumes restoration is to existing conditions (backfill only).

Dewatering, conveyance and off-site disposal - Cost based on GEI previous project experience.

Containerization of wastewater for off-site disposal - Cost based on GEI previous project experience and assumes approximately 2 month of on-site storage

In-situ Stabilization - Cost based on GEI previous project experience. Are for ISS includes areas 2,3, and 4 on Figure 6, volume calculated from a depth of 4 ft to the bedrock surface.

GENERAL CONDITIONS

Assumes 10% of total cost of construction

Table 2A
Preliminary Cost Estimate
Claremont Former MGP Site
Claremont, New Hampshire

GEI Consultants

Project:	Claremont Former MGP	Page:	1
Date:	5/23/2014	By:	L. Sutton
Checked:		By:	
Approved:		By:	
Client:	UGI		
Subject:	Volumes		

Duratiuon of work is assumed to be 2 months.

Building Demolition - Genrator Building and Coal House

Groundwater monitoring and O&M costs, including ecological RA as 10% of total costs

Area	4,065	SF		
Floors	2			
Perimeter	329	FT		
Volume	97,560	CF	NA	

In-Situ Stabilization Volumes

Holder No. 1

Area	1,102	SF		N/A
Depth	4	FT		
Volume	4,849	CF	180	CY

Holder No. 2

Area	1,438	SF		N/A
Depth	4	FT		
Volume	6,327	CF	234	CY

Holder No. 3

Area	2,997	SF		N/A
Depth	2	FT		
Volume	6,593	CF	244	CY

Former Tail Race #1

Area	5,699	SF		
Depth	4	FT		
Volume	25075.6	CF	929	CY

Former Tail Race #1

Area	5,699	SF		
Depth	3	FT		
Volume	18806.7	CF	697	CY

Former Tail Race #2

Area	1,953	SF		N/A
Depth	0	FT		
Volume	0	CF	0	CY

Southwest of Holder No. 2

Area	2,244	SF		N/A
Depth	3.0	FT	(Average)	
Volume	7,405	CF	274	CY

Surrounding Holder No. 1

Area	1,117	SF		N/A
Depth	4	FT		
Volume	4,915	CF	182	CY

Table 2A
Preliminary Cost Estimate
Claremont Former MGP Site
Claremont, New Hampshire

GEI Consultants

Client: UGI	Project: Claremont Former MGP	Page: 2	
	Date: 5/23/2014	By: L. Sutton	
Subject: Volumes	Checked:	By:	
	Approved:	By:	

West of Holder No. 1						**In-Situ Stabilization Volumes**					
Area	3,028	SF				**N/A**					
Depth	2	FT									
Volume	6,662	CF	247	CY							
CLMT-SB-15 Area						**CLMT-SB-15 Area**					
Area	583	SF				Area	583	SF			
Depth	4	FT				Depth	15	FT			
Volume	2,565	CF	95	CY		Volume	9,620	CF	356	CY	
CLMT-SB-14 Area						**CLMT-SB-14 Area**					
Area	1,659	SF				Area	1,659	SF			
Depth	4	FT				Depth	8	FT			
Volume	7,300	CF	270	CY		Volume	14,599	CF	541	CY	
Remaining Large Area						**Remaining Large Area**					
Area	8,686	SF				Area	8,686	SF			
Depth	4	FT				Depth	4	FT			
Volume	38,218	CF	1,415	CY		Volume	38,218	CF	1,415	CY	
Sediment Removal (soil removal and disposal costs applied, dredging not anticipated)											
Area	2,050	SF									
Depth	3	FT									
Volume	6,765	CF	251	CY							
Total Volumes											
With Building, With Sediment											
Volume	214,235	CF	7,935	CY							
Without Building, With Sediment											
Volume	116,675	CF	4,321	CY							
Without Building, Without Sediment											
Volume	109,910	CF	4,071	CY							
With Building, Without Sediment											
Volume	207,470	CF	7,684	CY							
In-situ Stabilization Volume											
Volume	81,244	CF	3,009	CY							
Volume Multiplier	*1.1*										
**Note: Areas from AutoCAD drawing with an additional 10% added.*											