134-37 35TH AVENUE

FLUSHING, QUEENS, NEW YORK

Remedial Investigation Report

OER Project Number 14EHAN384Q

Prepared for:

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DECEMBER 2014

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
CVOC	Chlorinated Volatile Organic Compound
DCP	New York City Department of City Planning
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FBG	Feet Below Grade
FID	Flame Ionization Detector
GPS	Global Positioning System
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
ISCO	In Situ Chemical Oxidation
ISRP	Investigation Summary and Remedial Plan
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LiRo	LiRo Engineers, Inc.
MB	Method Blank
MSL	Mean Sea Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTBE	Methyl Tert-Butyl Ether
ug/l	Micrograms/Liter

ug/kg	Micrograms/Kilogram
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC DOS	New York City Department of Sanitation
NYC DDC	New York City Department of Design and Construction
NYC OER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PID	Photoionization Detector
PPM	Parts Per Million
QEP	Qualified Environmental Professional
QA/QC	Quality Assurance/Quality Control
%Rs	Percent Recoveries
RCRA NLR	Resource Conservation and Recovery Act No Longer Registered
RES	Raritan Enviro Sciences, Inc.
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RPDs	Relative Percent Differences
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
SAMRs	Semi-Annual Monitoring Reports
STOSR/SAMR	Site Turn-Over Status Report and Site Annual Monitoring Report

SVOC	Semivolatile Organic Compound
SVE	Soil Vapor Extraction
TA	TestAmerica Laboratories, Inc.
TAL	Target Analyte List
TCA	1,1,1-Trichloroethane
TCL	Target Compound List
TCE	Trichloroethene
TB	Trip Blank
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Ben T. Cancemi, CPG, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Environmental Site Investigation for the 134-37 35th Avenue Site, (NYC OER Project No. 14EHAN384Q). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

	12/16/14	
Qualified Environmental Professional	**Date**	**Signature**

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located in the Flushing section of Queens, New York and is identified as Block 4949 and Lot 31 on the New York City Tax Map. Figure 1.1.1 is a Site location map. The Site is 39,000-square feet and is bounded by an alley to the north, 35th Avenue to the south, Farrington Street to the east, and a plumbing supply business to the west. Currently, the Site is vacant and undeveloped and contains an asphalt-paved area to the north. The former 38,000-square-foot commercial building was demolished prior to the RI. Figure 1.1.2 is a Site plan showing the current layout of the Site.

Summary of Proposed Redevelopment Plan

The proposed use of the Site will be commercial and residential. Redevelopment will include the construction of a one- to 15-story building with a cellar partially below ground occupying the ground level and two sub-cellars to a total depth of 26 feet below grade (fbg).

The layout of the proposed Site development is presented in Figure 1.2.1. The current zoning designation is R6 with a C2-2 overlay, which permits residential and retail commercial use. The redevelopment plan includes demolishing the current Site building, with removal and proper offsite disposal of all demolition debris. No sub-grade demolition is anticipated or planned.

The new building will be approximately 38,775 square feet and will occupy the entire lot. The second sub-cellar (lowest level), which extends across the entire lot, will contain parking and mechanical rooms. The first sub-cellar, located above the second sub-cellar, will contain parking, a pool, a café, a kitchen, maintenance rooms, laundry rooms, a fitness center, and meeting rooms. The cellar (ground level) will contain nine retail units, a hotel lobby, a residential apartment lobby, maintenance rooms, and work rooms. The first floor will contain a parking garage and maintenance rooms. The second floor will contain hotel rooms, conference rooms, and a terrace. Floors three through seven will contain hotel rooms and maintenance

rooms. Floors 8 through 15 will contain residential apartments and maintenance rooms. The roof will be used as a terrace. The building will contain 210 hotel rooms, 148 apartments, and two elevators; the total gross area of the building will be 354,454 square feet.

Redevelopment will include excavation across the entire Site to a depth of 29 fbg. Approximately 41,650 cubic yards (estimated at 54,150 tons) of soil will be excavated. Depth to groundwater is estimated at 20 to 30 fbg at the Site.

Summary of Past Uses of Site and Areas of Concern

The Site was initially developed for residential and commercial purposes prior to 1892. The southern portion of the Site was occupied by the Kyle Institute from 1892 until at least 1903. The northern portion of the Site contained a dwelling in 1892 until it was taken over by the Kyle Institute between 1892 and 1903. The Kyle Institute vacated the property between 1903 and 1916, and the property was used for residential purposes and as a Democratic Club House. Between 1916 and 1941 the Site was redeveloped with the 38,000-square-foot one-story commercial building and was occupied by the North Shore Bus Co. Between 1943 and 1951 the building became a New York City Department of Sanitation (NYCDOS) garage. The NYCDOS vacated the property in 1996. Since 1996 the building occupants have included the 7 Train Theater, restaurants, stores, bars, and a parking garage. The building was demolished in early 2014. The Site is currently owned by Farrington Realty, LLC, which has owned the property since June 2003. Previously, the subject property was owned by various private and commercial entities. No industrial ownership is apparent.

The AOCs identified for this site include:

- UST areas 1 and 2, based on the associated active NYDEC spill number 94-16190, the three closed NYSDEC spills associated with the tanks, and the petroleum-related VOC contamination previously found in soil and groundwater onsite.
- The CVOC groundwater plume generally located along the eastern and southern boundaries of the Site.

Summary of the Work Performed under the Remedial Investigation

Farrington Realty, LLC performed the following scope of work:

- Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
- Conducted a geophysical survey of the Site to investigate for the existence of potential USTs and other subsurface infrastructure;
- Installed 13 soil borings across the entire project Site, and collected 26 soil samples for chemical analysis from the soil borings to evaluate soil quality;
- Collected eight groundwater samples for chemical analysis to evaluate groundwater quality;
- Installed 10 soil vapor probes around Site perimeter and collected 10 samples for chemical analysis.

Summary of Environmental Findings

- Elevation of the property is approximately 30 feet above MSL.
- Depth to groundwater is approximately 27 fbg at the Site.
- Groundwater flow is generally from south to north beneath the Site.
- Depth to bedrock is estimated at 180 feet at the Site.
- A geophysical survey showed no USTs or other subsurface structures at the Site. All of the USTs in the area of development were removed from the Site prior to the RI in June 2014 under the direction of the New York City Department of Design and Construction (NYC DDC).
- The stratigraphy of the site, from the surface down, consists of approximately five to over thirty feet of a brown/tan medium to fine-grained sand with some fine gravel. This layer, where penetrated, was generally noted to be underlain by a brown medium to fine-grained silty-sand a brown/tan medium to coarse-grained sand with some fine gravel and by a brown/tan medium to fine-grained sand with some fine gravel.

- Soil samples collected during the RI showed no exceedances of SCOs for VOCs, exceedances of Track 1 SCOs for the SVOC benzo(k)fluoranthene and Track 2 SCOs for the SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene in 1 of the 26 samples. No exceedances were noted for metals, and no PCBs or pesticides were detected. These results are consistent with the visual observations of the soil samples, which did not suggest an onsite source

- Groundwater samples collected during the RI showed exceedances of the Standards for the VOCs cis-1,2-dichloroethene, isopropylbenzene, PCE, and TCE in five of the eight samples, and the SVOCs benzo(a)pyrene and bis(2-ethylhexyl) phthalate in two of the six samples. The VOC detections are generally consistent with the previous groundwater sampling that has occurred at the Site. The detections are located on the eastern portion of the Site. The metals chromium, iron, lead, magnesium, manganese, and sodium were the only metals that exceeded Standards. Magnesium, manganese, and sodium exceedances were noted for both the unfiltered and dissolved-phase samples. The chromium, iron, and lead exceedances were only noted in the unfiltered samples. The metal detections were generally evenly spaced across the Site and their distribution does not suggest an onsite source. These detections do not present a particular concern as iron, magnesium, and manganese are often elevated in Long Island groundwater and sodium is often elevated due to recharge of stormwater runoff containing road deicing materials. The chromium, iron, and lead detections only exceeded Standards in the unfiltered samples, suggesting that the elevated concentrations were due to suspended sediment in the groundwater. No PCBs or pesticides were detected.

- Soil vapor samples collected during the RI showed several classes of VOCs consistent with the Site's location in an urban area. PCE was detected in one of the samples at a low level for which the NYSDOH would either require no further action or would require reasonable and practical actions to be undertaken to identify sources and reduce exposures (depending on the indoor air concentration of PCE). No VOCs were detected at levels for which either monitoring or mitigation would be required or that suggest the possibility of soil vapor intrusion. These results are consistent with the soil and groundwater data from the RI.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

This RIR has been developed for the property located at 134-37 35th Avenue in the Flushing section of Queens, New York (the Site). This project has been assigned OER Project number 14EHAN384Q by the New York City Office of Environmental Remediation (OER). Residential and commercial use is proposed for the property. This RI report summarizes the investigation findings based on the March 2014 Phase II ESI Work Plan report prepared by FPM Group, Ltd. in coordination with OER. The RI work was performed between July 30, 2014 and August 4, 2014. An E-Designation for Hazardous Materials (E-246) was placed on the Site by the New York City Department of City Planning (DCP) as part of the June 7, 2010, 134-03 35th Avenue (aka New Millennium/Prince Street) rezoning action (CEQR 04DCP013Q). This RIR summarizes the nature and extent of contamination at the Site and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located in the Flushing section of Queens, New York and is identified as Block 4949 and Lot 31 on the New York City Tax Map. Figure 1.1.1 is a Site location map. The Site is 39,000-square feet and is bounded by an alley to the north, 35th Avenue to the south, Farrington Street to the east, and a plumbing supply business to the west. Currently, the Site is vacant and undeveloped and contains an asphalt-paved area to the north. The former 38,000-square-foot commercial building was demolished prior to the RI. Figure 1.1.2 is a Site plan showing the current layout of the Site.

1.2 Proposed Redevelopment Plan

The proposed use of the Site will be commercial and residential. Redevelopment will include the construction of a one- to 15-story building with a cellar partially below ground occupying the ground level and two sub-cellars to a total depth of 26 feet below grade (fbg).

The layout of the proposed Site development is presented in Figure 1.2.1. The current zoning designation is R6 with a C2-2 overlay, which permits residential and retail commercial use.

The redevelopment plan includes demolishing the current Site building, with removal and proper offsite disposal of all demolition debris. No sub-grade demolition is anticipated or planned.

The new building will be approximately 38,775 square feet and will occupy the entire lot. The second sub-cellar (lowest level), which extends across the entire lot, will contain parking and mechanical rooms. The first sub-cellar, located above the second sub-cellar, will contain parking, a pool, a café, a kitchen, maintenance rooms, laundry rooms, a fitness center, and meeting rooms. The cellar (ground level) will contain nine retail units, a hotel lobby, a residential apartment lobby, maintenance rooms, and work rooms. The first floor will contain a parking garage and maintenance rooms. The second floor will contain hotel rooms, conference rooms, and a terrace. Floors three through seven will contain hotel rooms and maintenance rooms. Floors 8 through 15 will contain residential apartments and maintenance rooms. The roof will be used as a terrace. The building will contain 210 hotel rooms, 148 apartments, and two elevators; the total gross area of the building will be 354,454 square feet. Proposed development plans showing the vertical redevelopment of the Site as well as the proposed layout for the first and second sub-cellar are included in Appendix 1.

Redevelopment will include excavation across the entire Site to a depth of 29 fbg. Approximately 41,650 cubic yards (estimated at 54,150 tons) of soil will be excavated. Depth to groundwater is estimated at 27 fbg.

1.3 Description of Surrounding Property

The Site is located in a neighborhood with commercial buildings, light industrial and manufacturing buildings, residential buildings, and public facilities and institutions. The properties in this area are typically zoned C2-2, M1-1, and M2-1. The Site is adjoined to the east by commercial buildings occupied by BLU KTV Lounge and Bar, Meiling Nail Supply Inc., Debasaki restaurant, NYDC Beauty Supply, and a yoga studio. The Site is adjoined to the south by commercial buildings occupied by The Flushing International Hotel, New York International Table Tennis Center, and Joy Foods restaurant, and a residential building. The Site is adjoined to the west by a commercial building occupied by a plumbing supply business. An alley used for parking adjoins the Site to the north.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site was initially developed for residential and commercial purposes prior to 1892. The southern portion of the Site was occupied by the Kyle Institute from 1892 until at least 1903. The northern portion of the Site contained a dwelling in 1892 until it was taken over by the Kyle Institute between 1892 and 1903. The Kyle Institute vacated the property between 1903 and 1916, and the property was used for residential purposes and as a Democratic Club House. Between 1916 and 1941 the Site was redeveloped with the 38,000-square-foot one-story commercial building and was occupied by the North Shore Bus Co. Between 1943 and 1951 the building became a New York City Department of Sanitation (NYCDOS) garage. The NYCDOS vacated the property in 1996. Since 1996 the building occupants have included the 7 Train Theater, restaurants, stores, bars, and a parking garage. The building was demolished in 2014. The Site is currently owned by Farrington Realty, LLC, which has owned the property since June 2003. Previously, the subject property was owned by various private and commercial entities. No industrial ownership is apparent.

2.2 Previous Investigations

The *Investigation Summary and Remedial Plan (ISRP) Addendum* was prepared by Raritan Enviro Sciences, Inc. (RES) for Lehrer McGovern Bovis, Inc. dated December 11, 1997. Pertinent information obtained from the ISRP Addendum is summarized as follows:

- Nine USTs located in UST areas 1 and 2 were closed-in-place between 1995 and 1996. A heating oil UST remained in-service.
- Depth to groundwater ranges from 26 to 30 fbg at the Site.
- Groundwater flow is generally from south to north beneath the Site.
- One soil boring (GP-06) was performed near UST area 1 and two soil borings (GP-01 and GP-03) were performed near UST area 2 to further delineate soil contamination discovered in the ISRP report. Soil samples were collected from the interval immediately above the soil-groundwater interface and were analyzed for VOCs via USEPA Method 8260 including MTBE and naphthalene. No VOCs, MTBE, and/or naphthalene were detected above Track 1 Unrestricted Use SCOs. Trimethylbenzene isomers (max of 98 ppm) were detected above their Track 2 Restricted Residential SCOs in boring SB-1,

which was collected for the ISRP report. Xylenes (max 50 ppm) were detected above Track 1 SCOs but not Track 2 SCOs in this sample. SB-1 was located in UST area 2.

- Four groundwater monitoring wells (MW-11 through MW-14) were installed and analyzed for VOCs via USEPA Method 8260 including MTBE and naphthalene. 22 groundwater samples (GP-1W through GP-9W and GP-10 through GP-22) were also collected using a direct-push drill rig, but the data were influenced by high sample turbidity, and it was recommended that the data only be used qualitatively. Free-phase petroleum was not detected in any of the wells, with the exception of trace amounts in RW-1. VOCs were detected above New York State 6NYCRR Part 703.5 Class GA Ambient Water Quality Standards (Standards) in six of the 14 samples collected, including 1,2-dichloroethene (max 19 ppb), 1,2,4-trimethylbenzene (max 210 ppb), 1,3,5-trimethylbenzene (max 10 ppb), ethylbenzene (max 14 ppb), MTBE (max 160 ppb), n-butylbenzene (max 15 ppb), naphthalene (max 55 ppb), o-xylene (max 26 ppb), p-&m-xylene (max 62 ppb), tetrachloroethene (PCE) (max 100 ppb), trichloroethene (TCE) (max 42 ppb), and sec-butylbenzene (max 6 ppb). The petroleum-related VOC plume originates from the two UST areas and a former mechanics room, and extends a short distance offsite to the north (downgradient). The chlorinated-VOC (CVOC) plume is present along the eastern boundary of the Site, and extends offsite to the east (crossgradient) and north (downgradient). A CVOC source was not identified.

The *Site Turn-Over Status Report and Site Annual Monitoring Report* (STOSR/SAMR) was prepared by LiRo Engineers, Inc. (LiRo) dated June 3, 2011. Pertinent information obtained from the STOSR/SAMR is summarized as follows:

- A soil vapor extraction (SVE) system consisting of seven extraction wells (EW-01 through EW-07) was installed onsite in 2000. The SVE system was shut down in 2003 after soil sampling showed that the soil VOC contamination had been significantly reduced.
- Depth to groundwater ranges from 22.05 to 27.74 fbg at the Site.
- Groundwater flow is generally from south to north beneath the Site.
- 14 soil borings (RXMW-01S through RXMW-09D and RXMW-11) were performed by Roux Associates Inc. (Roux) across the Site and offsite to further delineate soil

conditions.. The samples were analyzed for Target Compound List (TCL) VOCs and SVOCs. No VOCs and/or SVOCs were detected above Track 1 SCOs, with the exception of isopropylbenzene (max 2,700 ppb) and PCE (max 1,700 ppb) which were detected above their Track 1 SCOs but below Track 2 SCOs in one of the 42 samples, RXMW-05S (29'-31'). This sample was collected below the water table. These data suggest that the SVE system was successful at reducing the VOC contamination in Site soils.

- Two groundwater monitoring wells (RXMW-05S and RXMW-07) were sampled on January 4, 2010 by Roux and analyzed for TCL VOCs and SVOCs. VOCs were detected above Standards in both samples, including isopropylbenzene (max 54 ug/l) and PCE (max 240 ug/l). SVOCs were detected above Standards, with the exception of naphthalene (31 ug/l) in sample RXMW-05S.

- 14 groundwater monitoring wells (RXMW-01S through RXMW-09D and RXMW-11) were sampled on January 12, 2010 by Roux and analyzed for TCL VOCs and SVOCs. VOCs were detected above Standards in eight of the 14 samples collected, including chloroform (max 18 ug/l), cis-1,2-dichloroethene (max 11 ug/l), PCE (max 160 ug/l), and TCE (max 16 ug/l). SVOCs were not detected above Standards, with the exception of naphthalene (17 ug/l) in sample RXMW-05S.

- 19 groundwater monitoring wells (MW-01, MW-17 through MW-20, RXMW-01S through RXMW-09D and RXMW-11) were sampled by LiRo in October 2010 and analyzed for TCL VOCs and STARS list VOCs. VOCs were detected above Standards in 17 of the 19 samples, including 1,2-dibromo-3-chloropropane (max 250 ug/l), 1,2,4-trimethylbenzene (max 9,400 ug/l), 1,3,5-trimethylbenzene (max 1,600 ug/l), chloroform (max 95 ug/l), cis-1,2-dichloroethene (max 290 ug/l), isopropylbenzene (max 450 ug/l), methylene chloride (max 8.6 ug/l), n-butylbenzene (max 320 ug/l), n-propylbenzene (max 1,300 ug/l), o-xylene (max 98 ug/l), p-isopropyltoluene (max 6 ug/l), p-&m-xylene (max 270 ug/l), PCE (max 2,000 ug/l), sec-butylbenzene (max 120 ug/l), and TCE (max 490 ug/l).

- 27 groundwater monitoring wells (MW-01, MW-06 through MW-08, MW-11 through MW-15, MW-17 through MW-20, RXMW-01S through RXMW-09D and RXMW-11) were sampled by LiRo in April 2011 and analyzed for TCL VOCs and

STARS list VOCs. VOCs were detected above Standards in 22 of the 27 samples, including 1,2,4-trimethylbenzene (max 320 ug/l), 1,3,5-trimethylbenzene (max 63 ug/l), cis-1,2-dichloroethene (max 43 ug/l), isopropylbenzene (max 21 ug/l), methylene chloride (max 6.6 ug/l), n-butylbenzene (max 14 ug/l), n-propylbenzene (max 53 ug/l), naphthalene (max 13 ug/l), p-isopropyltoluene (max 6.2 ug/l), PCE (max 270 ug/l), sec-butylbenzene (max 11 ug/l), TCE (max 48 ug/l), and vinyl chloride (2.7 ug/l). The petroleum-related VOC plume is located near UST area 1. The CVOC plume is located along the southern boundary of the Site. The source of the CVOC plume is unknown.

Semi-Annual Monitoring Reports (SAMRs) were prepared by LiRo on January 19, 2005, July 11, 2005, June 5, 2012, and March 13, 2013. SAMRs were also prepared by Roux on August 31, 2006, January 31, 2007, October 26, 2007, September 18, 2008, and April 23, 2009. Pertinent information obtained from the SAMRs is summarized as follows:

- Routine groundwater monitoring has occurred at the Site since 2000, and semi-annual monitoring has occurred since 2003. The semi-annual monitoring program involves gauging and sampling the 29 groundwater monitoring wells (MW-01, MW-06 through MW-15, MW-17 through MW-20, RXMW-01S through RXMW-09D, and RXMW-11), depending on which wells are accessible. The samples are analyzed for TCL VOCs, STARS list VOCs, methyl tert-butyl ether (MTBE), and naphthalene. Free-phase petroleum has not been observed at the Site since 2000, but a petroleum sheen was noted on monitoring well MW-10 on June 6, 2006 and November 2, 2006.
- Depth to groundwater ranges from 12.98 to 28.15 fbg at the Site, which includes offsite wells. Depth to groundwater ranges from 21.90 to 28.15 fbg for wells located onsite.
- Groundwater flow is generally from south to north beneath the Site.
- The total petroleum-related VOC detections and the total CVOC detections are shown in Table 2.2.1 for each monitoring event. The petroleum-related VOC concentrations have generally decreased over time, while the CVOC detections fluctuate.
- The above-ground components of the SVE system were removed in March 2012.
- An in situ chemical oxidation (ISCO) pilot test injection of hydrogen peroxide was performed at monitoring well RXMW-05S on April 26, 2012. The injection used 100-

gallons of catalyst followed by 300-gallons of oxidant over a period of approximately three hours. Groundwater monitoring on July 26, 2012 suggested that the injection was not successful at reducing the petroleum-related VOC contamination.

The Phase I report was prepared by FPM Group for Farrington Realty, LLC dated November 2013. This Phase I ESA identified three recognized environmental conditions (RECS). Pertinent information obtained from the Phase I ESA is summarized as follows:

- The Site was developed with a 38,000-square-foot one-story commercial building with an asphalt-paved area to the north. The building was vacant.
- The Site was identified in the PBS database with eight ASTs and eight USTs. The ASTs were removed in October 1996, including a 275-gallon kerosene AST, three 275-gallon ASTs, three 115-gallon ASTs, and a 550-gallon AST. The USTs included a 4,000-gallon diesel UST closed-in-place in August 1959, two 550-gallon diesel USTs closed-in-place in April 1995, two 550-gallon gasoline USTs closed-in-place in October 1996, two 550-gallon USTs closed-in-place in October 1996, and a 2,000-gallon #2 fuel oil UST removed in April 2000. A previous investigation report identified nine onsite closed-in-place USTs and a dispenser, including five diesel USTs located in the southwest corner of the building (UST area 1) and two gasoline USTs and two hoist (hydraulic lift) oil USTs located to the north of the building (UST area 2). No evidence of any ASTs/USTs was observed at the Site during the inspection. The presence of closed-in-place USTs on the property constituted a REC. Removal of the closed-in-place USTs during demolition was recommended.
- Four tank-related spills have occurred at the Site and were assigned to the NYCDOS. NYSDEC spill 95-00504 was assigned on April 12, 1995 following a tank test failure on a 4,000-gallon diesel UST; the UST was removed and the spill was cleaned up and closed on May 18, 1995. Spill 94-16972 was assigned on March 31, 1995 following the discovery of petroleum-contaminated soil during UST removal; the soil was removed and the spill closed on May 18, 1995. Spill 95-00509 was assigned on April 12, 1995 following a diesel tank test failure; this spill was closed on May 18, 1995. Active spill 94-16190 was assigned on March 15, 1995 following the release of #2 fuel oil from the fill line of a 2,000-gallon UST.

- An SVE system was installed in 2000 to clean up petroleum-related VOC soil contamination around the two onsite UST areas. The system was shut down in 2003 after soil sampling showed that the contamination was reduced and the system was removed in 2012. Petroleum-related VOC impacts remain in the groundwater at two limited locations. Hydrogen peroxide was injected into the groundwater in April 2012 to mitigate the petroleum contamination in one area. This injection does not appear to have been successful. A plume of groundwater contaminated with CVOCs has been identified onsite, with the highest concentrations found along the eastern (crossgradient) and southern (upgradient) boundaries of the property. The source of the CVOC plume has not been found and is understood to be offsite. The presence of CVOCs presents a concern for soil vapor intrusion and is a REC. Semi-annual groundwater monitoring is required by the NYSDEC for the subject property. The subject property is referred to as the Queens East 11A site, and the remediation is currently undertaken by the NYCDDC and overseen by the NYSDEC under the spills program. Abandonment of select wells prior to demolition has been recommended. Measures to protect the wells that will remain should be implemented during demolition. Any required wells that are damaged during demolition should be repaired or replaced, as necessary. The abandonment and repair/replacement of damaged wells was identified as a REC.
- The Site was identified as a RCRA NLR site during its operation under the NYCDOS. The property was listed as a large-quantity generator of ignitable hazardous waste in 1996. No RCRA violations or enforcement actions were noted.
- The property is presently e-designated as E-246 for hazardous materials, air, and noise. The hazardous materials' listing is likely related to the former USTs at the Site.

2.3 Site Inspection

A Site inspection was performed on November 5, 2013 by George Holmes and Ben Cancemi, CPG, the QEP for this RI. The current layout of the Site is shown in Figure 1.1.2. No areas of concern were noted during the inspection.

2.4 Areas of Concern

The AOCs identified for this site include:

1. UST areas 1 and 2, based on the associated active NYDEC spill number 94-16190, the three closed NYSDEC spills associated with the tanks, and the

petroleum-related VOC contamination previously found in soil and groundwater onsite.

2. The CVOC groundwater plume generally located along the eastern and southern boundaries of the Site.

Phase 1 Report is presented in Appendix 2. A map showing areas of concern is presented in Figure 2.4.1.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Ben T. Cancemi, CPG.

3.2 Health and Safety

All work described in this was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. A site-specific HASP was prepared and is included in Appendix 2 to address potential hazards, contaminants of concern based on past use, and safety requirements associated with investigation activities.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Cuttings were disposed at the Site within the boreholes that generated them to within 24 inches of the surface. The remainder of the boreholes was sealed by filling with bentonite chips and hydrating the chips. Disposable sampling equipment including spoons, gloves, bags, paper towels, etc. that contacted environmental media were double-bagged and disposed as municipal solid waste as non-hazardous trash.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Farrington Realty, LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a geophysical survey of the Site to investigate for the existence of potential USTs and other subsurface infrastructure;
3. Installed 13 soil borings across the entire project Site, and collected 26 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Collected eight groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 10 soil vapor probes around Site perimeter and collected 10 samples for chemical analysis.

4.1 Geophysical Investigation

The geophysical survey was performed on July 30, 2014 prior to conducting investigative borings. The survey was overseen by an FPM geologist/civil engineer under the direction of the QEP, who received a verbal report of the findings. The geophysical survey used ground-penetrating radar (GPR) and magnetic detection equipment across the entire Site. See Figure 4.1.1 for the geophysical survey area.

The geophysical survey did not identify any anomalies suggestive of USTs or other subsurface infrastructure. All of the USTs that had remained onsite were removed in June 2014 by the NYC DDC. A report documenting the tank removal activities is pending.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A qualified environmental driller advanced 13 investigative borings (B-1 through B-13) at the locations shown on Figure 4.1.1. The soil boring work was performed between July 30, 2014 and August 4, 2014 and was overseen by a geologist. The geologist, under the direction of a QEP was present to supervise the sampling work, screen the soil samples for environmental impacts, log the screening results, and collect environmental samples for laboratory analysis.

The investigative borings were advanced to 30 feet below grade, which is below the development depth, using a direct-push drill rig. Construction information for the soil borings is included in Table 4.2.1. Soils were collected continuously to the boring termination depth using a Geoprobe dual-tube sampler with disposable acetate sleeves advanced in five-foot increments. Each sample was screened for organic vapors with a calibrated photoionization detector (PID) and evaluated for visual and olfactory indications of potential environmental impacts. Boring logs were prepared and are included in Appendix 3.

The uppermost soil layer, approximately five to over thirty feet thick, generally consisted of a brown/tan medium to fine-grained sand with some fine gravel. This layer, where penetrated, was underlain by an approximately three to eight-foot thick layer consisting of a brown medium to fine-grained silty-sand. This layer was underlain by an approximately one to twelve-foot thick layer consisting of a brown/tan medium to coarse-grained sand with some fine gravel. This layer was underlain by a brown/tan medium to fine-grained sand with some fine gravel. No PID responses, odors, or staining were noted in the borings, with the exception of a marshy odor in a four-foot thick sandy-clay layer in B-1.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted in accordance with the Phase II Work Plan for the Site and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives and selection of a final remedy.

Soil Sampling

Two soil samples were collected from each borehole, including one sample from the zero to two-foot interval and a deeper sample from the 25 to 27-foot interval, which is directly below the development depth. Samples were not composite samples but were discrete grab samples. Twenty-six soil samples were collected for chemical analysis during this RI. Disposable sampling equipment, including acetate sleeves and latex gloves, were used to minimize cross-

contamination between samples. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 4.3.1. Figure 4.1.1 shows the location of samples collected in this investigation.

The samples retained for analysis were placed into laboratory-supplied sample containers, sealed, labeled, and placed in coolers with ice to depress the sample temperature. A chain of custody form was completed and kept with the coolers and shipping containers to document the sequence of sample possession.

Field-collected QA/QC samples included a blind duplicate sample to evaluate field sampling precision or reproducibility of measurements of the same parameter under the given set of conditions, and a trip blank (TB) sample to ensure that outside contamination of the samples for volatile organic compound (VOC) analysis did not occur. In addition, the laboratory utilized internal QA/QC procedures and samples (including laboratory control samples or LCSs, method blanks or MBs, surrogates, and MS/MSDs) to confirm that the laboratory data are of sufficient accuracy and precision.

The soil samples were submitted for analysis to TestAmerica Laboratories, Inc. (TA), a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. All soil samples were analyzed for VOCs by EPA Method 8260C, semivolatile organic compounds (SVOCs) by EPA Method 8270D, pesticides and PCBs by EPA Method 8081B/8082A, and Target Analyte List (TAL) metals by EPA Method 6010C and EPA Method 7473 (mercury).

Groundwater Sampling

The groundwater was sampled by an environmental professional and the QEP using low-flow sampling techniques on July 31, 2014. Sampling was conducted in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) and Sampling Guidelines and Protocols, dated March 1991. One representative groundwater sample was collected from six temporary locations using a direct-push tooling and a decontaminated peristaltic pump and dedicated polyethylene tubing. One representative groundwater sample was collected from two monitoring wells using a decontaminated peristaltic pump and dedicated polyethylene tubing. Disposable sampling equipment, including latex gloves and sample tubing, were used to minimize cross-contamination between samples and the peristaltic pump was

decontaminated between locations. Sampling logs with information on purging and sampling of groundwater monitoring wells are included in Appendix 3. Figure 4.1.1 shows the location of groundwater samples.

The samples retained for analysis were placed into laboratory-supplied sample containers, sealed, labeled, and placed in coolers with ice to depress the sample temperature. A chain of custody form was completed and kept with the coolers and shipping containers to document the sequence of sample possession.

Field-collected QA/QC samples included a blind duplicate sample and a TB sample. In addition, the laboratory utilized internal QA/QC procedures and samples, including LCSs, MBs, surrogates, and MS/MSDs.

The groundwater samples were submitted for analysis to TA, a NYSDOH ELAP-certified laboratory. The six groundwater samples collected from the temporary locations were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, pesticides and PCBs by EPA Method 8081B/8082A, and dissolved and total TAL metals by EPA Method 6010C and EPA Method 7473 (mercury). The two groundwater samples from the monitoring wells were analyzed for VOCs by EPA Method 8260C. Groundwater sample collection data are reported in Table 4.3.2.

Soil Vapor Sampling

Soil vapor samples were collected from implants which were installed with direct-push sampling equipment to depth of approximately 22 to 23 feet below grade. The annulus around each implant was backfilled with fine glass beads. A bentonite seal was placed from just above the implant to the surface to seal the vapor implant from the surrounding atmosphere. Each implant was purged prior to sampling at a rate of less than 0.2 L/min. Ten soil vapor implants were installed and ten soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4.1.1. Soil vapor sample collection data are reported in Table 4.3.3. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Soil vapor samples were collected in one-liter Summa canisters that were certified clean by the laboratory. The flow rate for sampling did not exceed 0.2 L/min. Sampling occurred for approximately 24 hours, based on the anticipated future residential use of the Site. A sample log sheet was maintained summarizing the sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, and chain of custody protocols. The soil vapor sampling logs are included in Appendix 3. A chain of custody form was completed and kept with the shipping containers to document the sequence of sample possession. Disposable sampling equipment, including latex gloves and sample tubing, were used to minimize cross-contamination between samples.

Field-collected QA/QC samples included a TB sample to confirm that cross-contamination of the samples did not occur. In addition, the laboratory utilized internal QA/QC procedures and samples (including LCSs, MBs, and surrogates) to confirm that the laboratory data are of sufficient accuracy and precision. The samples were submitted to Centek Laboratories, LLC (Centek), a NYSDOH ELAP-certified laboratory, for analysis of VOCs using the TO-15 Method.

As part of the vapor intrusion evaluation, a tracer gas was used in accordance with NYSDOH protocols to verify the integrity of the soil vapor probe seals. Helium was used as the tracer gas and a sealed enclosure was used to keep the helium in contact with the probe during testing. A portable monitoring device was used to analyze a sample of the soil vapor for helium prior to sampling. Tracer monitoring was performed a second time to confirm the integrity of the probe seals at the conclusion of the sampling round. The helium tracer testing results confirmed the integrity of the vapor implant seal at each of the vapor sampling locations.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 4.3.1 through 4.3.3, respectively. Laboratory data deliverables for all samples evaluated in this RI report are provided in digital form in Appendices 4 through 6.

Chemical Analysis

Chemical analytical work presented in this RI has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance for this RI was overseen by Ben T. Cancemi , CPG
Chemical Analytical Laboratory	Chemical analytical laboratories used in the RI NYS ELAP certified and were: • TestAmerica Laboratories, Inc. (soil and groundwater) • Centek Laboratories, LLC (soil vapor)
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

4.4 Analytical Quality Assurance/Quality Control

Quality assurance/Quality control (QA/QC) samples were collected during the sampling process to assess the accuracy and precision of the resulting analytical data. QA/QC samples were collected in accordance with the Phase II ESI Work Plan and included one duplicate sample and one trip blank sample for the soil and groundwater sample delivery groups and one trip blank sample for the soil vapor sample delivery group.

The duplicate samples were collected at the same time and the same manner as the primary environmental samples and were managed and tested together with the primary environmental samples. The results of the duplicate sample analyses are shown on Tables 4.3.1 through 4.3.2 next to the associated primary environmental samples. The data from the duplicate samples are nearly identical to the data for the associated primary environmental samples, indicating a high degree of analytical precision. The duplicate sample results do not suggest any concerns for sample quality.

The trip blank (TB) samples consisted of aliquots of laboratory-supplied water that were transmitted with the sample coolers and were managed and analyzed for VOCs together with the primary environmental samples. The TB samples associated with the soil, groundwater, and soil vapor samples did not exhibit any VOC detections, with the exception of a low concentration of acetone in the trip blank associated with the soil and groundwater samples collected on July 31, 2014, and also with the soil samples collected on August 4, 2014. These results do not suggest the potential for significant VOC cross-contamination between the samples.

The laboratory also performed QA/QC sample analyses, including analyses of method blanks (MBs), laboratory control samples (LCSs), and matrix spike/matrix spike duplicates (MS/MSDs). The results of the laboratory QA/QC samples are summarized as follows:

- The MB samples did not show any detections, with the exceptions of low concentrations of up to three VOCs in the MBs associated with the soil samples. Acetone, methylene chloride, and toluene were noted in several of the primary environmental soil samples and were flagged with a B qualifier. None of these detections in the primary environmental soil samples exceeded their respective Track 1 SCOs and, therefore, these detections do not present a concern.

- The LCS percent recoveries (%Rs) and relative percent differences (RPDs) were all within limits, with the exception of %Rs and/or RPDs outside of criteria for several SVOCs in the LCSs and/or LCSDs for the soils and groundwater and slightly low %Rs for several VOCs for the soil vapor. As the %Rs and RPDs were only slightly outside of criteria and were noted in the primary sample the LCS/LCSD data does not appear to be significantly affected by lab related accuracy or precision issues.

- The MS/MDS %Rs and RPDs were all within criteria, with the exception of %Rs outside of criteria for several VOCs and SVOCs in the MS and/or MSDs for select soil and groundwater samples. As the %Rs were only slightly outside of criteria and were not noted in the primary sample, the data does not appear to have been significantly affected by matrix related effects.

Based on the results from the laboratory QA/QC samples, there does not appear to have been any significant bias introduced by either interfering compounds in the sample matrix or by laboratory techniques that could have introduced systematic or random errors in the analytical process. The data appear to be of adequate quality for their intended use.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy was generally consistent across the Site. The uppermost soil layer, which varied from approximately five to over thirty feet thick, generally consisted of a brown/tan medium to fine-grained sand with some fine gravel. This layer, where penetrated, was generally noted to be underlain by a brown medium to fine-grained silty-sand, a medium to coarse-grained sand with some fine gravel and a fine-grained sand with some fine gravel. No PID responses, odors, or staining were noted in the borings, with the exception of a marshy odor in a four-foot thick sandy-clay layer in B-1. Groundwater was encountered at approximately 27 feet below grade. No confining units were encountered.

Bedrock was not encountered during the RI. Bedrock is estimated to be present at an elevation of approximately 150 feet below mean sea level, or MSL (USGS, 1990) in the Site vicinity. As the Site elevation is approximately 30 feet MSL, the depth to bedrock is estimated at approximately 180 feet below grade.

Hydrogeology

The depth to groundwater and groundwater flow has previously been established at the Site in conjunction with ongoing NYSDEC Investigations. The range in groundwater depth has been reported to range from 12.98 to 30 fbg, which includes wells located offsite. The range in groundwater depth for onsite wells ranges from 20 to 30 fbg. Groundwater flow is to the north.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4.3.1. Figure 5.2.1 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives (Track 2 SCOs). Observations regarding each of the contaminant classes observed in the fill are as follows:

- Low levels of VOCs were detected in some of the samples, but none of the detections exceeds the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives (Track 1 SCOs). Low concentrations of tetrachloroethene (PCE) (maximum 2.5 ug/kg), below the Track 1 SCOs, were detected in the shallow samples from borings B-2 and B-13. Trichloroethene

(TCE), 1,1,1-trichloroethane (TCA), or carbon tetrachloride was not detected in any of the soil samples collected on the Site.

- SVOCs exceeded the Track 2 SCOs in 1 of the 26 soil samples collected, with concentrations of benzo(a)anthracene (1,800 ug/kg), benzo(a)pyrene (1,700 ug/kg), benzo(b)fluoranthene (2,300 ug/kg), dibenzo(a,h)anthracene (380 ug/kg), and indeno(1,2,3-cd)pyrene (1,400 ug/kg) exceeding the Track 2 SCOs in the shallow soil sample from boring B-7. Benzo(k)fluoranthene and chrysene exceeded the Track 1 SCOs but did not exceed the Track 2 SCOs in the shallow soil sample from boring B-7.
- Low levels of metals were detected in all of the 26 samples collected, but none of the detections exceeds the Track 1 SCOs.
- PCBs and pesticides were not detected in any of the soil samples.

The SVOC exceedances are generally minor and the same compounds were not detected in the deeper sample at boring B-7. The detections are not suggestive of an onsite source. This observation is consistent with the visual, olfactory, and PID observations of the soil borings, none of which suggested an onsite source.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 4.3.2. Figure 5.3.1 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards (Standards). Observations regarding each of the contaminant classes observed in the groundwater are as follows:

- VOCs exceeded the Standards in five of the eight groundwater samples collected, with concentrations of cis-1,2-dichloroethene (36 ug/l), isopropylbenzene (maximum 7.3 ug/l), PCE (maximum 140 ug/l), and TCE (maximum 22 ug/l). TCA and carbon tetrachloride were not detected in any groundwater samples collected on the Site.
- Benzo(a)pyrene (0.33 ug/l) and bis(2-ethylhexyl) phthalate were the only SVOCs that exceeded Standards in two of the six samples, GW-1 and GW-4, respectively. These detection were at very low estimated concentrations.

- Chromium, iron, lead, magnesium, manganese, and sodium were the only metals that exceeded Standards. Magnesium, manganese, and sodium exceedances were noted for both the unfiltered and dissolved-phase samples. The chromium, iron, and lead exceedances were only noted in the unfiltered samples.
- PCBs and pesticides were not detected in any of the groundwater samples.

The VOC detections are generally consistent with the previous groundwater sampling that has occurred at the Site. The detections are located on the eastern portion of the site.

The metal detections were generally evenly spaced across the Site and their distribution does not suggest an onsite source. These detections do not present a particular concern as iron, magnesium, and manganese are often elevated in Long Island groundwater and sodium is often elevated due to recharge of stormwater runoff containing road deicing materials. The chromium, iron, and lead detections only exceeded Standards in the unfiltered samples, suggesting that the elevated concentrations were due to suspended sediment in the groundwater. Groundwater use is not contemplated at this Site.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 4.3.3. Figure 5.4.1 shows the location and posts the values for soil vapor samples with detected concentrations.

Several VOCs were detected in the soil vapor samples. The classes of VOCs detected include petroleum-related compounds (benzene, ethylbenzene, etc.), non-chlorinated solvents (acetone, ethyl acetate, etc.), a refrigerant (Freon 11), and chlorinated solvents (TCE, methylene chloride). The constituents detected are typical of those found in soil vapor in urbanized areas.

In accordance with NYSDOH protocol, the soil vapor sample results are compared to Matrix 1 and Matrix 2 of the October 2006 NYSDOH Soil Vapor Intrusion (SVI) Guidance document. One VOC for which the NYSDOH provides guidance, PCE (12 ug/m^3) was detected in one of the ten soil vapor samples. PCE was found at a low level for which the NYSDOH would require either no further action or reasonable and practical actions to be undertaken to identify sources and reduce exposures (depending on the associated indoor air concentration of PCE). TCE, TCA and carbon tetrachloride were not detected in soil vapor samples collected on the Site.

Based upon the soil vapor sampling results there are no conditions suggestive of an onsite source of VOCs. The soil vapor results are consistent with the soil and groundwater sampling results for the Site.

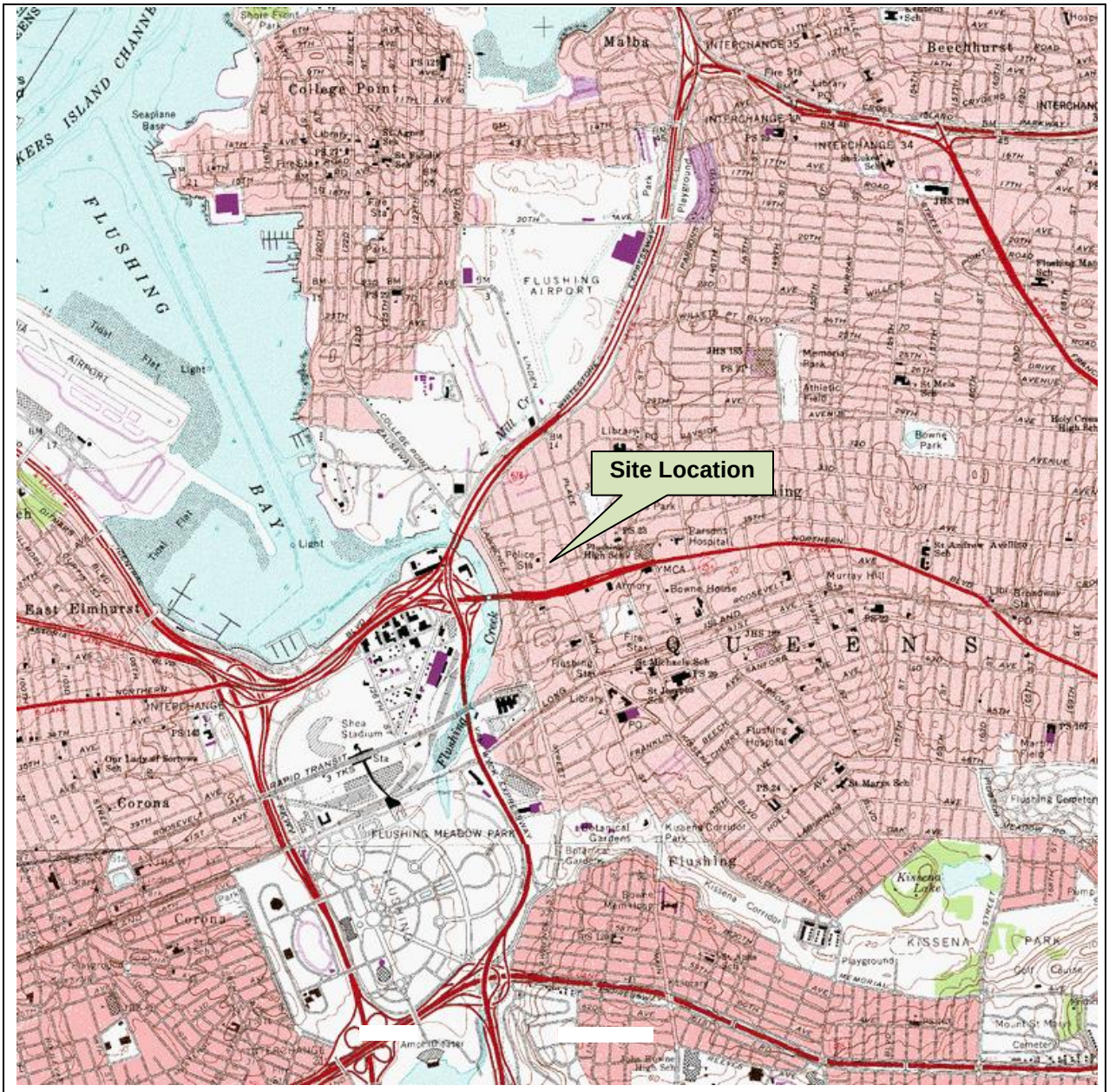
5.5 Prior Activity

Based on an evaluation of the data and information from the ESI, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES



Source: US Geological Survey 7.5-Minute
Flushing and Jamaica Quadrangles

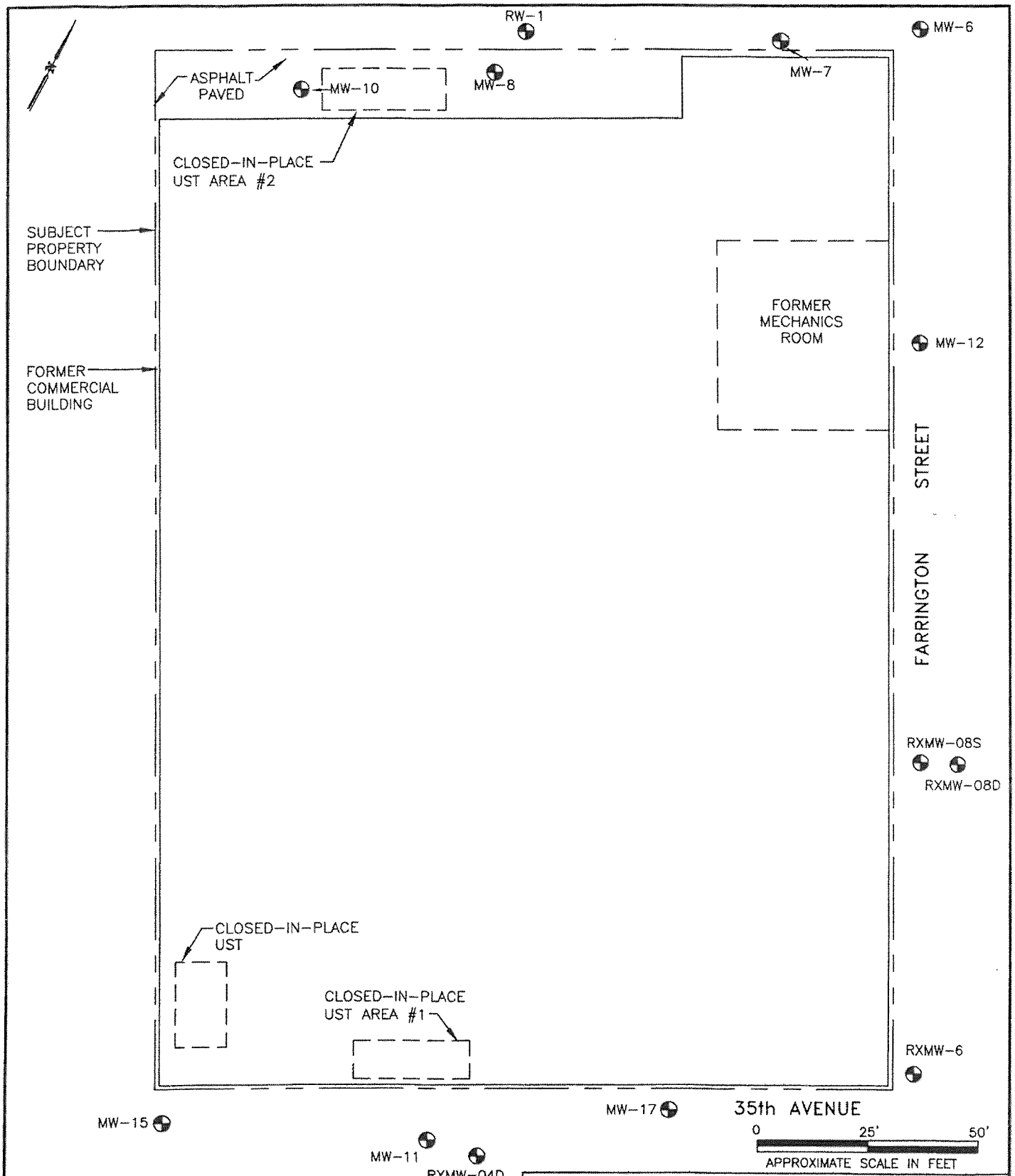
NORTH

FPM GROUP

FIGURE 1.1.1

SITE LOCATION MAP
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn by: GH	Checked By: GH	Date: 12/31/2013



FPM GROUP

FIGURE 1.1.2
SITE PLAN
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 9/9/14

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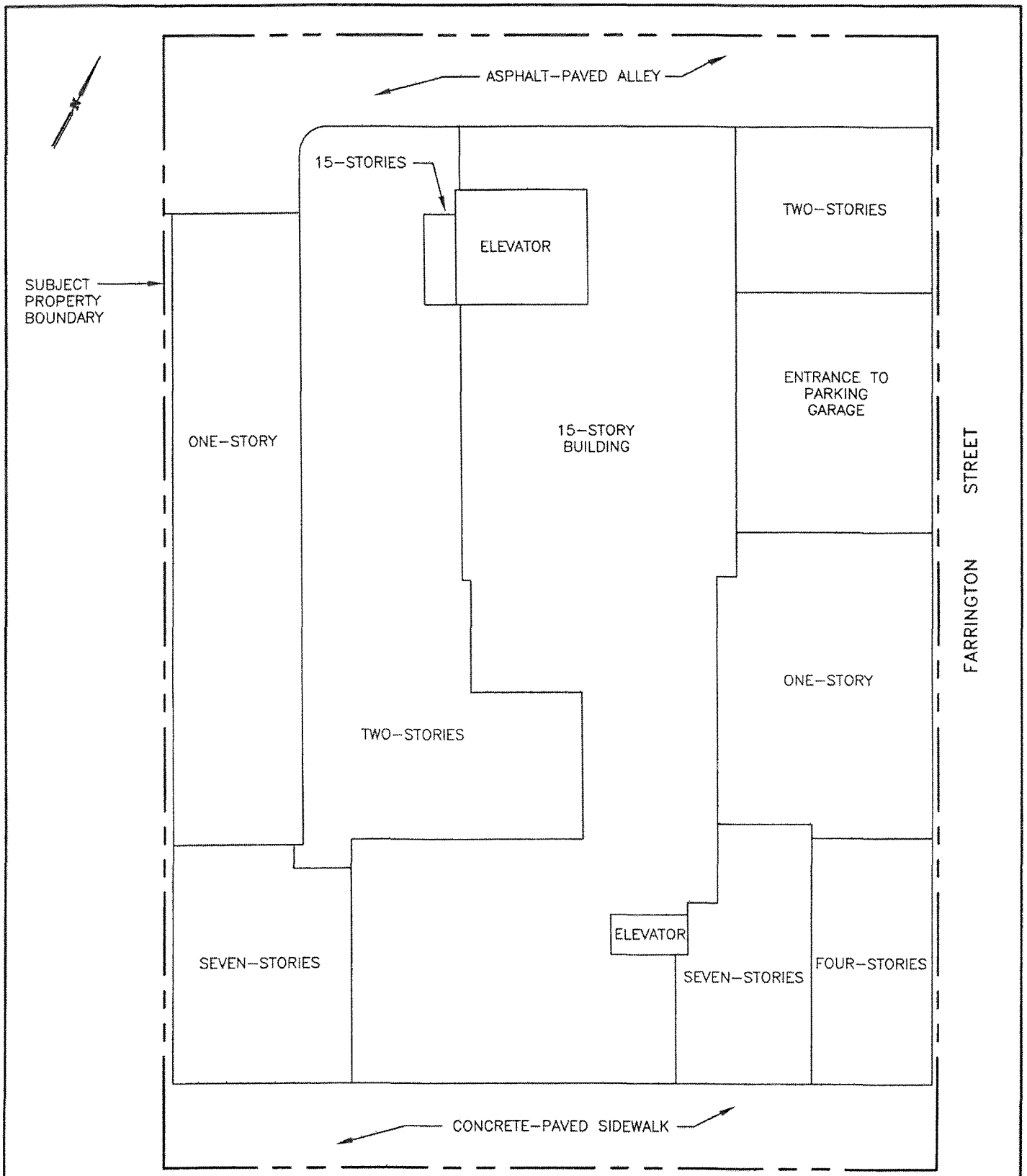

FPM GROUP

FIGURE 1.2.1
FUTURE DEVELOPMENT PLAN
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 1/13/14

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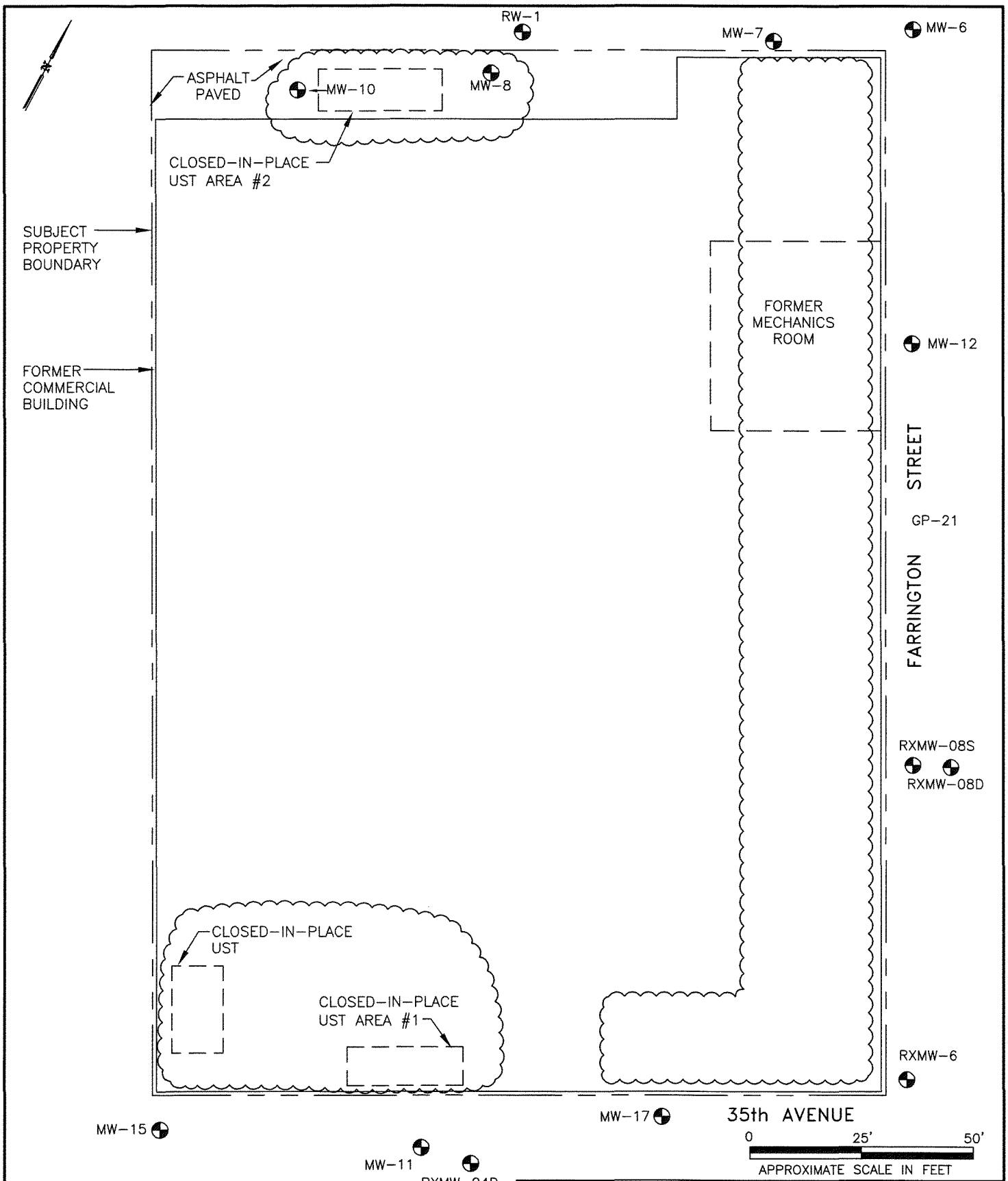
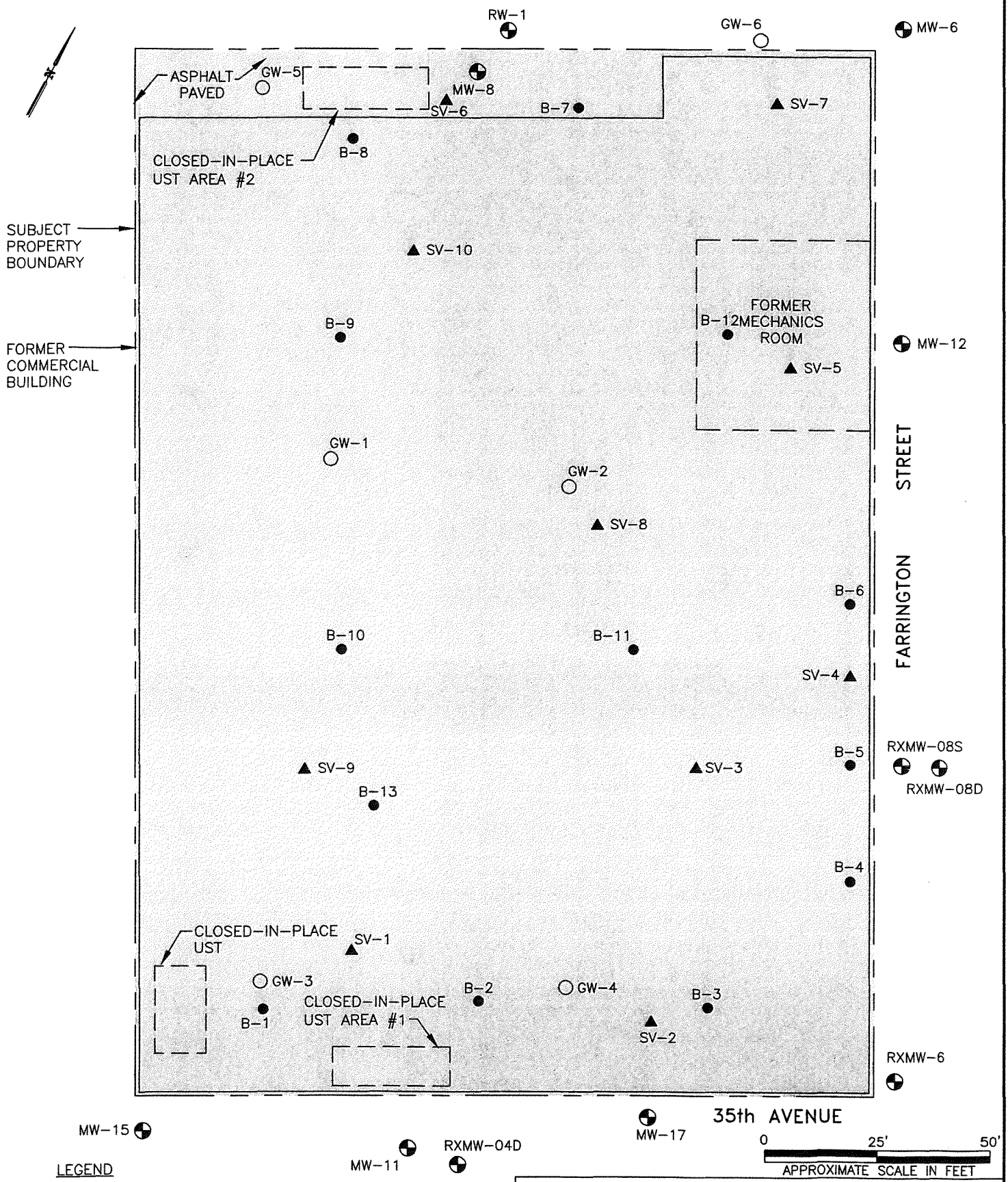


FPM GROUP

FIGURE 2.4.1
AREAS OF CONCERN
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 9/9/14



LEGEND

MW-1 EXISTING MONITORING WELL

B-1 SOIL BORING SAMPLE LOCATION

GW-1 GROUNDWATER SAMPLE LOCATION

SV-01 SOIL VAPOR SAMPLE LOCATION

GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 4.1.1
SAMPLE LOCATIONS
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C.	Checked By: G.H.	Date: 9/9/14

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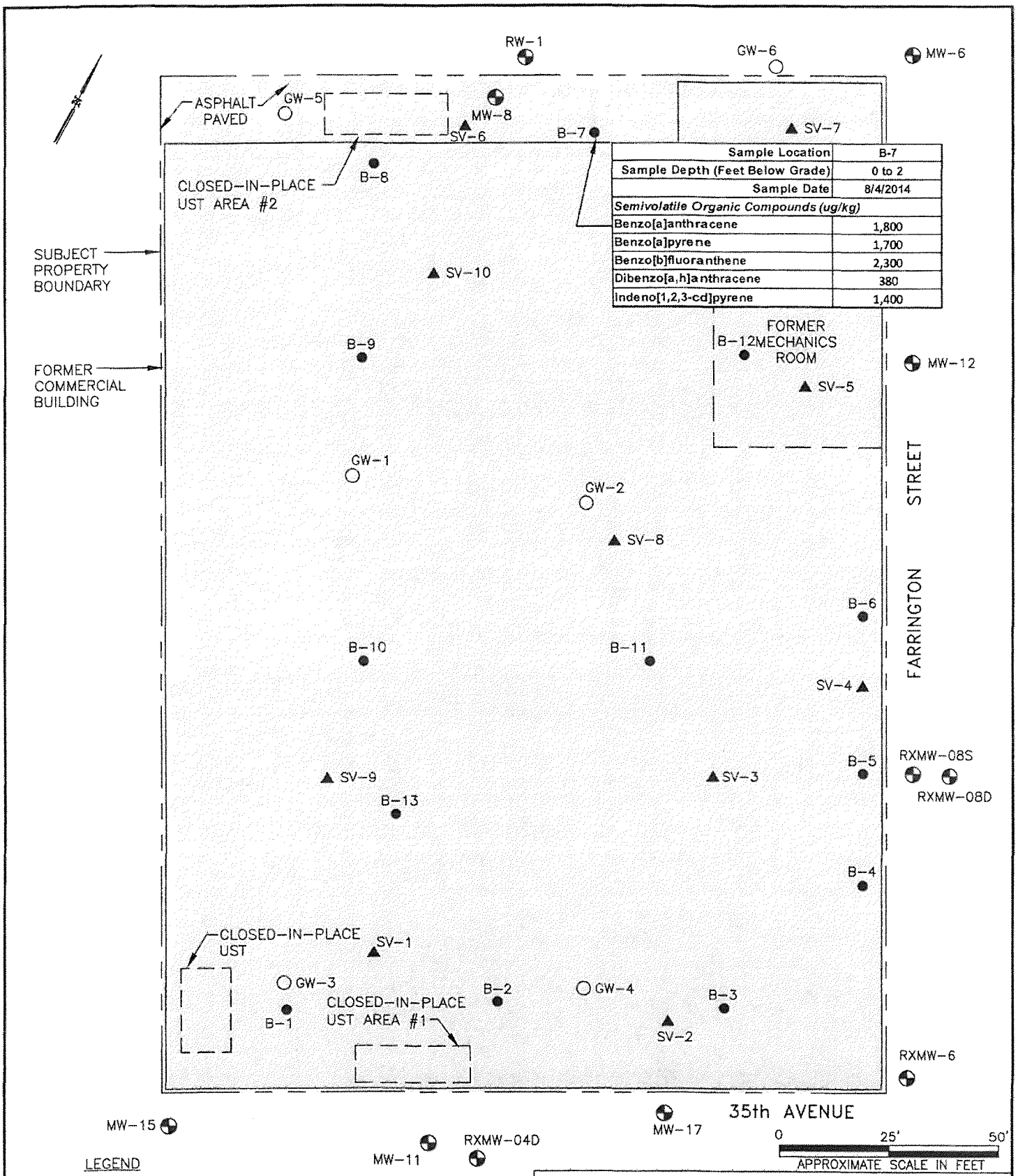

Sample Location	B-7
Sample Depth (Feet Below Grade)	0 to 2
Sample Date	8/4/2014
Semivolatile Organic Compounds (ug/kg)	
Benzo[a]anthracene	1,800
Benzo[a]pyrene	1,700
Benzo[b]fluoranthene	2,300
Dibenzo[a,h]anthracene	380
Indeno[1,2,3-cd]pyrene	1,400

LEGEND

MW-1 EXISTING MONITORING WELL

B-1 SOIL BORING SAMPLE LOCATION

GW-1 GROUNDWATER SAMPLE LOCATION

SV-01 SOIL VAPOR SAMPLE LOCATION

GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 5.2.1
SAMPLE LOCATIONS WITH SOIL DATA
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C. | Checked By: G.H. | Date: 9/9/14

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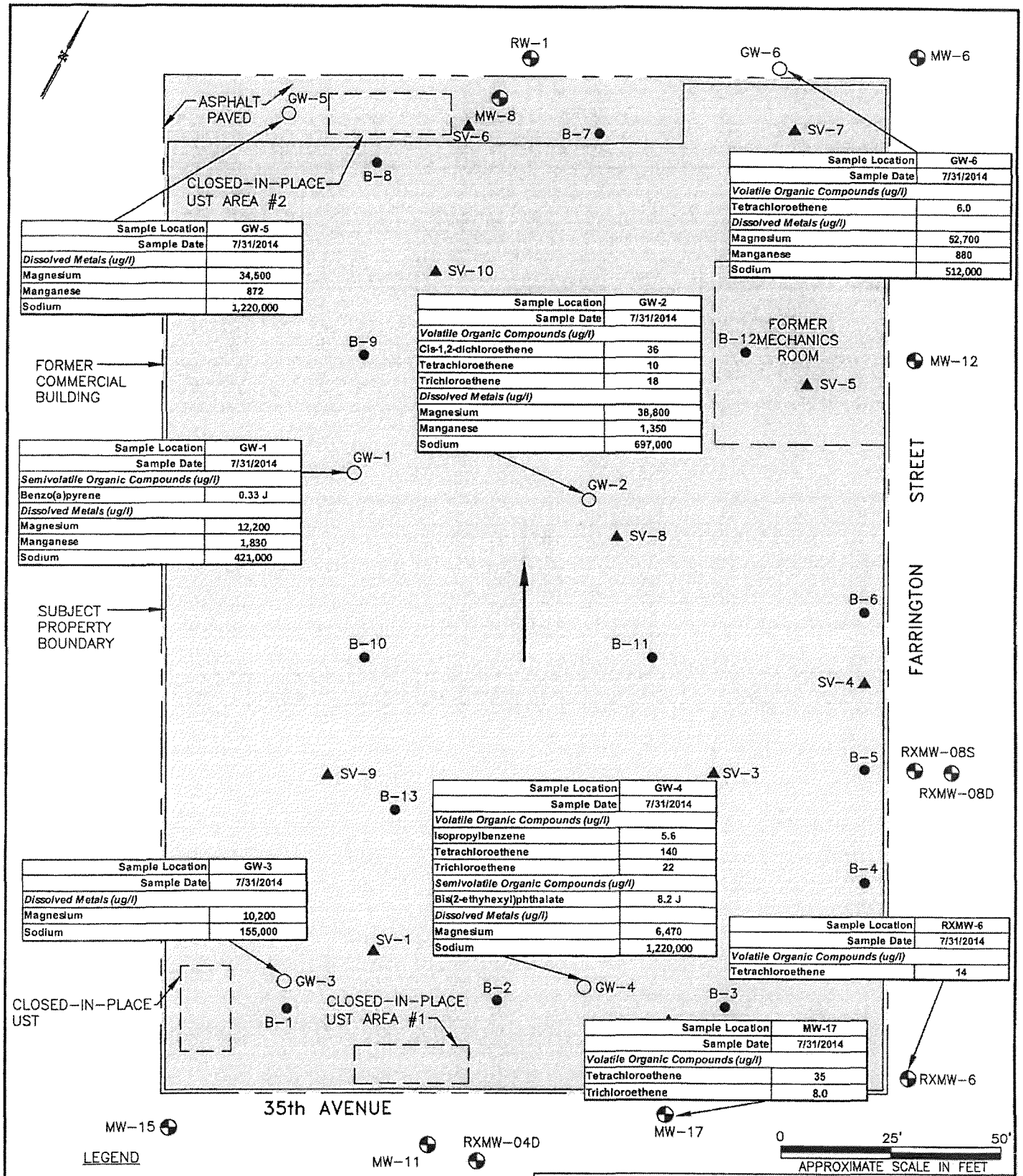


Sample Location	GW-5
Sample Date	7/31/2014
Dissolved Metals (ug/l)	
Magnesium	34,500
Manganese	872
Sodium	1,220,000

Sample Location	GW-6
Sample Date	7/31/2014
Volatile Organic Compounds (ug/l)	
Tetrachloroethene	6.0
Dissolved Metals (ug/l)	
Magnesium	52,700
Manganese	880
Sodium	512,000

Sample Location	GW-2
Sample Date	7/31/2014
Volatile Organic Compounds (ug/l)	
Cis-1,2-dichloroethene	36
Tetrachloroethene	10
Trichloroethene	18
Dissolved Metals (ug/l)	
Magnesium	38,800
Manganese	1,350
Sodium	697,000

Sample Location	GW-1
Sample Date	7/31/2014
Semivolatile Organic Compounds (ug/l)	
Benzo(a)pyrene	0.33 J
Dissolved Metals (ug/l)	
Magnesium	12,200
Manganese	1,830
Sodium	421,000

Sample Location	GW-4
Sample Date	7/31/2014
Volatile Organic Compounds (ug/l)	
Isopropylbenzene	5.6
Tetrachloroethene	140
Trichloroethene	22
Semivolatile Organic Compounds (ug/l)	
Bis(2-ethyhexyl)phthalate	8.2 J
Dissolved Metals (ug/l)	
Magnesium	6,470
Sodium	1,220,000

Sample Location	GW-3
Sample Date	7/31/2014
Dissolved Metals (ug/l)	
Magnesium	10,200
Sodium	155,000

Sample Location	RXMW-6
Sample Date	7/31/2014
Volatile Organic Compounds (ug/l)	
Tetrachloroethene	14

Sample Location	MW-17
Sample Date	7/31/2014
Volatile Organic Compounds (ug/l)	
Tetrachloroethene	35
Trichloroethene	8.0

LEGEND

MW-1 EXISTING MONITORING WELL

B-1 SOIL BORING SAMPLE LOCATION

GW-1 GROUNDWATER SAMPLE LOCATION

SV-01 SOIL VAPOR SAMPLE LOCATION

GEOPHYSICAL SURVEY AREA

GROUNDWATER FLOW DIRECTION

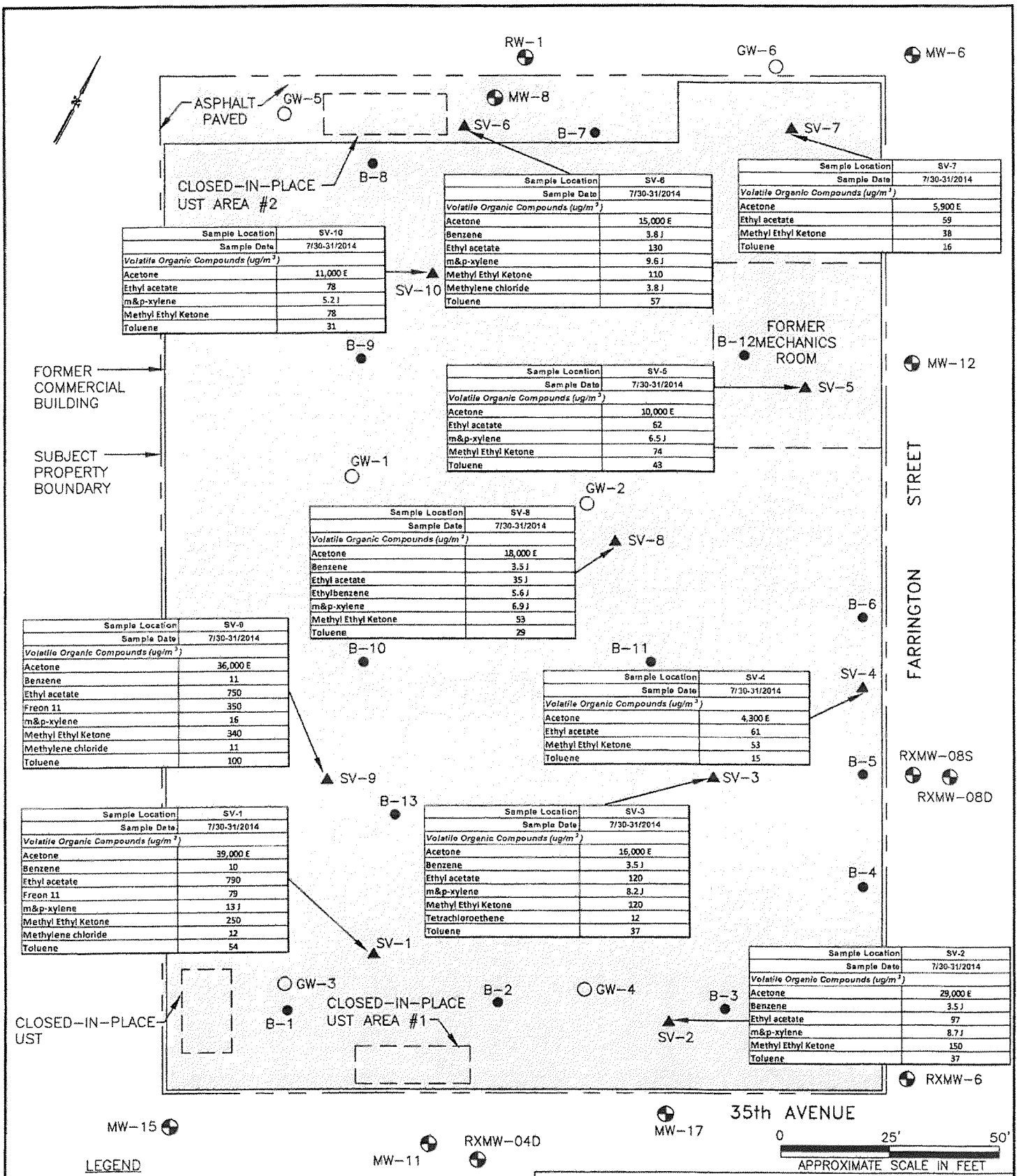
FPM GROUP

FIGURE 5.3.1
SAMPLE LOCATIONS WITH GROUNDWATER DATA

134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C. | Checked By: G.H. | Date: 9/9/14

H:\FARRINGTON REALTY\Phase II\SAMP LOC WITH GW.dwg, 12/16/2014 10:44:44 AM, 8 1/2x11



Sample Location	SV-6
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	15,000 E
Benzene	3.8 J
Ethyl acetate	130
m&p-xylene	9.6 J
Methyl Ethyl Ketone	110
Methylene chloride	3.8 J
Toluene	57

Sample Location	SV-7
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	5,900 E
Ethyl acetate	59
Methyl Ethyl Ketone	38
Toluene	16

Sample Location	SV-10
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	11,000 E
Ethyl acetate	78
m&p-xylene	5.2 J
Methyl Ethyl Ketone	78
Toluene	31

Sample Location	SV-5
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	10,000 E
Ethyl acetate	62
m&p-xylene	6.5 J
Methyl Ethyl Ketone	74
Toluene	43

Sample Location	SV-8
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	18,000 E
Benzene	3.5 J
Ethyl acetate	35 J
Ethylbenzene	5.6 J
m&p-xylene	6.9 J
Methyl Ethyl Ketone	53
Toluene	29

Sample Location	SV-9
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	36,000 E
Benzene	11
Ethyl acetate	750
Freon 11	350
m&p-xylene	16
Methyl Ethyl Ketone	340
Methylene chloride	11
Toluene	100

Sample Location	SV-4
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	4,300 E
Ethyl acetate	61
Methyl Ethyl Ketone	53
Toluene	15

Sample Location	SV-1
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	39,000 E
Benzene	10
Ethyl acetate	790
Freon 11	79
m&p-xylene	13 J
Methyl Ethyl Ketone	250
Methylene chloride	12
Toluene	54

Sample Location	SV-3
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	16,000 E
Benzene	3.5 J
Ethyl acetate	120
m&p-xylene	8.2 J
Methyl Ethyl Ketone	120
Tetrachloroethene	12
Toluene	37

Sample Location	SV-2
Sample Date	7/30-31/2014
Volatile Organic Compounds (ug/m³)	
Acetone	29,000 E
Benzene	3.5 J
Ethyl acetate	97
m&p-xylene	8.7 J
Methyl Ethyl Ketone	150
Toluene	37

LEGEND

MW-1 EXISTING MONITORING WELL

B-1 SOIL BORING SAMPLE LOCATION

GW-1 GROUNDWATER SAMPLE LOCATION

SV-01 SOIL VAPOR SAMPLE LOCATION

GEOPHYSICAL SURVEY AREA

FPM GROUP

FIGURE 5.4.1
SAMPLE LOCATIONS WITH SOIL VAPOR DATA
134-37 35th AVENUE
FLUSHING, NEW YORK

Drawn By: H.C. | Checked By: G.H. | Date: 9/9/14

H:\FARRINGTON REALTY\Phase II\SAMP LOC WITH SOIL VAPOR DATA.dwg, 9/10/2014 11:31:50 AM, 8 1/2:11

TABLES

Table 2.2.1: Groundwater Monitoring Data

Date	Total Petroleum-Related VOCs (ug/l)	Total CVOCs (ug/l)	Number of Wells Sampled
March 14, 2000	368	1,776	10
September 7-10, 2001	312	1,159	14
August 20, 2002	223	1,599	11
February 6-7, 2003	205	1,672	11
August 19, 2003	78	1,407	11
February 10-12, 2004	82	1,171	11
August 19, 2004	134	1,379	11
March 3-7, 2005	183	1,499	11
June 6, 2006	5	611	8
November 2, 2006	56	849	9
May 22, 2007	11	1,002	10
August 6, 2007	35	1,369	10
March 24, 2008	10	440	7
December 3, 2008	ND	334	12
December 20-22, 2011	541	1,505	28
April 9-11, 2012	737	1,386	29
July 26, 2012	849	NA	5
June 4-5, 2014	15	552	17

ug/l = micrograms per liter

ND = Not detected

NA = Not analyzed

Table 4.2.1 Construction Details for Soil Borings

	Identification Number	Date of construction	Total Depth (feet)	Diameter (inches)
Soil Borings	B-1 through B-13	7/30/2014 – 8/4/2014	30	2

S:\United Construction\134-37 35th Ave Flushing\OER Phase II\Table 432.Docx

TABLE 4.3.1
SOIL ANALYTICAL DATA

Analyte	Track 1 Unresticted Use SCOs	Track 2 Restricted Residential SCOs	B-1	B-1 (duplicate)	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	B-7	B-7	B-8	B-8	B-9	B-9	B-10	B-10	B-11	B-11	B-12	B-12	B-13	B-13
			0-2	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27
			8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/30/2014	7/30/2014	8/4/2014	8/4/2014
Volatile Organic Compounds in micrograms per kilogram																													
1,1,1-Trichloroethane	680	100,000	<0.15	<0.14	<0.13	<0.14	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.12	<0.15	<0.13	<0.13	<0.14	<0.13	<0.13	<0.12	<0.13	<0.14	<0.14	<0.13	<0.18	<0.13	<0.12
1,1,2,2-Tetrachloroethane	-	-	<0.11	<0.094	<0.091	<0.099	<0.096	<0.09	<0.091	<0.091	<0.088	<0.091	<0.092	<0.092	<0.086	<0.11	<0.088	<0.091	<0.098	<0.087	<0.088	<0.086	<0.087	<0.099	<0.098	<0.093	<0.12	<0.09	<0.086
1,1,2-Trichloro-1,2,2-trifluoroethane	-	-	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
1,1,2-Trichloroethane	-	-	<0.16	<0.15	<0.14	<0.15	<0.15	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.13	<0.17	<0.14	<0.14	<0.15	<0.14	<0.14	<0.13	<0.14	<0.15	<0.15	<0.14	<0.19	<0.14	<0.13
1,1-Dichloroethane	270	26,000	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
1,1-Dichloroethene	330	100,000	<0.22	<0.2	<0.19	<0.21	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.2	<0.19	<0.18	<0.23	<0.19	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.21	<0.21	<0.2	<0.26	<0.19	<0.18
1,2,3-Trichlorobenzene	-	-	<0.19	<0.17	<0.16	<0.18	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.15	<0.19	<0.16	<0.16	<0.17	<0.15	<0.16	<0.15	<0.16	<0.18	<0.17	<0.16	<0.22	<0.16	<0.15
1,2,4-Trichlorobenzene	-	-	<0.22	<0.2	<0.19	<0.21	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.2	<0.19	<0.18	<0.23	<0.19	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.21	<0.21	<0.2	<0.26	<0.19	<0.18
1,2-Dibromo-3-Chloropropane	-	-	<0.52	<0.46	<0.44	<0.48	<0.47	<0.44	<0.44	<0.45	<0.43	<0.44	<0.45	<0.45	<0.42	<0.52	<0.43	<0.45	<0.48	<0.43	<0.43	<0.42	<0.43	<0.48	<0.48	<0.45	<0.6	<0.44	<0.42
1,2-Dichlorobenzene	1,100	100,000	<0.12	<0.1	<0.1	<0.11	<0.11	<0.1	<0.1	<0.1	<0.097	<0.1	<0.1	<0.1	<0.096	<0.12	<0.098	<0.1	<0.11	<0.097	<0.098	<0.095	<0.097	<0.11	<0.11	<0.1	<0.14	<0.1	<0.096
1,2-Dichloroethane	20	3,100	<0.21	<0.19	<0.18	<0.2	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.21	<0.18	<0.18	<0.2	<0.17	<0.18	<0.17	<0.17	<0.2	<0.2	<0.19	<0.25	<0.18	<0.17
1,2-Dichloropropane	-	-	<0.18	<0.16	<0.15	<0.16	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.14	<0.18	<0.15	<0.15	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.16	<0.15	<0.2	<0.15	<0.14
1,3-Dichlorobenzene	2,400	49,000	<0.19	<0.17	<0.16	<0.18	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.15	<0.19	<0.16	<0.16	<0.17	<0.15	<0.16	<0.15	<0.16	<0.18	<0.17	<0.16	<0.22	<0.16	<0.15
1,4-Dichlorobenzene	1,800	13,000	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
1,4-Dioxane	100	13,000	<15	<13	<13	<14	<14	<13	<13	<13	<12	<13	<13	<13	<12	<15	<12	<13	<14	<12	<12	<12	<12	<14	<14	<13	<17	<13	<12
2-Butanone (MEK)	120	-	<0.74	<0.66	<0.64	<0.69	<0.68	<0.63	<0.63	<0.64	<0.61	<0.64	<0.65	<0.65	<0.61	<0.75	<0.61	<0.64	<0.69	<0.61	<0.62	<0.6	<0.61	<0.69	<0.69	<0.65	<0.86	<0.63	<0.6
2-Hexanone	-	-	<0.15	<0.14	<0.13	<0.14	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.12	<0.15	<0.13	<0.13	<0.14	<0.13	<0.13	<0.12	<0.13	<0.14	<0.14	<0.13	<0.18	<0.13	<0.12
4-Methyl-2-pentanone (MIBK)	-	-	<0.24	<0.21	<0.2	<0.22	<0.21	<0.2	<0.2	<0.2	<0.19	<0.2	<0.21	<0.2	<0.19	<0.24	<0.2	<0.2	<0.22	<0.19	<0.2	<0.19	<0.19	<0.22	<0.22	<0.21	<0.27	<0.2	<0.19
Acetone	50	100,000	<2	<1.8	<1.7	<1.9	<1.8	<1.7	22 B	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<2	<1.6	<1.7	<1.8	<1.6	<1.7	<1.6	<1.6	37 B	<1.8	<1.7	21	<1.7	<1.6
Benzene	60	4,800	<0.18	<0.16	<0.15	0.48 J	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.14	<0.18	<0.15	<0.15	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.16	<0.15	<0.2	<0.15	<0.14
Bromoform	-	-	<0.2	<0.18	<0.17	<0.19	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.16	<0.2	<0.17	<0.17	<0.19	<0.16	<0.17	<0.16	<0.17	<0.19	<0.19	<0.18	<0.23	<0.17	<0.16
Bromomethane	-	-	<0.51	<0.45	<0.43	<0.47	<0.46	<0.43	<0.43	<0.44	<0.42	<0.43	<0.44	<0.44	<0.41	<0.51	<0.42	<0.44	<0.47	<0.42	<0.42	<0.41	<0.42	<0.47	<0.47	<0.44	<0.59	<0.43	<0.41
Carbon disulfide	-	-	<0.18	<0.16	<0.15	<0.16	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.14	<0.18	<0.15	<0.15	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.16	<0.15	<0.2	<0.15	<0.14
Carbon tetrachloride	760	2,400	<0.18	<0.16	<0.15	<0.16	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.14	<0.18	<0.15	<0.15	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.16	<0.15	<0.2	<0.15	<0.14
Chlorobenzene	1,100	100,000	<0.21	<0.19	<0.18	<0.2	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.21	<0.18	<0.18	<0.2	<0.17	<0.18	<0.17	<0.17	<0.2	<0.2	<0.19	<0.25	<0.18	<0.17
Chlorobromomethane	-	-	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
Chlorodibromomethane	-	-	<0.12	<0.1	<0.1	<0.11	<0.11	<0.1	<0.1	<0.1	<0.097	<0.1	<0.1	<0.1	<0.096	<0.12	<0.098	<0.1	<0.11	<0.097	<0.098	<0.095	<0.097	<0.11	<0.11	<0.1	<0.14	<0.1	<0.096
Chloroethane	-	-	<0.39	<0.35	<0.33	<0.36	<0.35	<0.33	<0.33	<0.33	<0.32	<0.33	<0.34	<0.34	<0.32	<0.39	<0.32	<0.33	<0.36	<0.32	<0.32	<0.32	<0.32	<0.36	<0.36	<0.34	<0.45	<0.33	<0.32
Chloroform	370	49,000	<0.28	<0.25	<0.24	<0.26	<0.26	<0.24	<0.24	<0.24	<0.23	<0.24	<0.25	<0.25	<0.23	<0.29	<0.23	<0.24	<0.26	<0.23	<0.23	<0.23	<0.23	<0.26	<0.26	<0.25	<0.33	<0.24	<0.23
Chloromethane	-	-	<0.19	<0.17	<0.16	<0.18	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.15	<0.19	<0.16	<0.16	<0.17	<0.15	<0.16	<0.15	<0.16	<0.18	<0.17	<0.16	<0.22	<0.16	<0.15
cis-1,2-Dichloroethene	250	100,000	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
cis-1,3-Dichloropropene	-	-	<0.16	<0.15	<0.14	<0.15	<0.15	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.13	<0.17	<0.14	<0.14	<0.15	<0.14	<0.14	<0.13	<0.14	<0.15	<0.15	<0.14	<0.19	<0.14	<0.13
Cyclohexane	-	-	<0.15	<0.14	<0.13	<0.14	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.12	<0.15	<0.13	<0.13	<0.14	<0.13	<0.13	<0.12	<0.13	<0.14	<0.14	<0.13	<0.18	<0.13	<0.12
Dichlorobromomethane	-	-	<0.38	<0.34	<0.32	<0.35	<0.34	<0.32	<0.32	<0.32	<0.31	<0.32	<0.33	<0.33	<0.31	<0.38	<0.31	<0.32	<0.35	<0.31	<0.31	<0.31	<0.31	<0.35	<0.35	<0.33	<0.44	<0.32	<0.31
Dichlorodifluoromethane	-	-	<0.26	<0.23	<0.22	<0.24	<0.24	<0.22	<0.22	<0.22	<0.21	<0.22	<0.23	<0.23	<0.21	<0.26	<0.21	<0.22	<0.24	<0.21	<0.21	<0.21	<0.21	<0.24	<0.24	<0.23	<0.3	<0.22	<0.21
Ethylbenzene	1,000	41,000	<0.2	<0.18	<0.17	0.51 J	<0.18	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.16	<0.2	<0.17	<0.17	<0.19	<0.16	<0.17	<0.16	<0.17	<0.19	<0.19	<0.18	<0.23	<0.17	<0.16
Ethylene Dibromide	-	-	<0.18	<0.16	<0.15	<0.16	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.14	<0.18	<0.15	<0.15	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.16	<0.15	<0.2	<0.15	<0.14
Isopropylbenzene	-	-	<0.13	<0.12	<0.11	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
Methyl acetate	-	-	<0.38	<0.34	<0.32	<0.35	<0.34	<0.32	<0.32	<0.32	<0.31	<0.32	<0.33	<0.33	<0.31	<0.38	<0.31	<0.32	<0.35	<0.31	<0.31	<0.31	<0.31	<0.35	<0.35	<0.33	<0.44	<0.32	<0.31
Methyl tert-butyl ether	930	100,000	<0.13	<0.12	<0.11	0.91 J	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.15	<0.11	<0.11
Methylcyclohexane	-	-	<0.12	<0.1	<0.1	0.39 J	<0.11	<0.1	<0.1	<0.1	<0.097	<0.1	<0.1	<0.1	<0.096	<0.12	<0.098	<0.1	<0.11	<0.097	<0.098	<0.095	<0.097	<0.11	<0.11	<0.1	<0.14	<0.1	<0.096
Methylene Chloride	50	100,000	1.8 B	<0.16	<0.15	<0.16	<0.16	1.3 B	1.4 B	0.85 JB	<0.15	<0.15	1.1	0.52 JB	<0.14	<0.18	1.4 B	1.9 B	<0.16	<0.15	<0.15	<0.14	<0.15	1.8	0.74 J	<0.15	<0.2	<0.15	<0.14
m-Xylene & p-Xylene	-	-	<0.69	<0.62	<0.6	2.2	<0.63	<0.59	<0.59	<0.6	<0.57	<0.6	<0.61	<0.6	<0.57	<0.7	<0.58	<0.6	<0.64	<0.57	<0.58	<0.56	<0.57	<0.65	<0.64	<0.61	<0.8	<0.59	<0.57
o-Xylene	-	-	<0.22	<0.2	<0.19	1.2	<0.2	<0.19	<0.19	<0.19	<0.18	<0.19	<0.2	<0.19	<0.18	<0.23	<0.19	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.21	<0.21	<0.2	<0.26	<0.19	<0.18
Styrene	-	-	<0.33	<0.29	<0.28	<0.31	<0.3	<0.28	<0.28	<0.28	<0.27	<0.28	<0.29	<0.29	<0.27	<0.33	<0.27	<0.28	<0.3	<0.27	<0.27	<0.27	<0.27	<0.31	<0.31	<0.29	<0.38	<0.28	<0.27
Tetrachloroethene	1,300	19,000	<0.14	<0.13	<0.12	0.54 J	<0.13	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.14	<0.12	<0.12	<0.13	<0.12	<0.12	<0.11	<0.12	<0.13	<0.13	<0.12	<0.16	2.5	<0.11
Toluene	700	100,000	0.66 JB	0.45 JB	0.31 JB	2.5 B	0.44 JB	0.64 JB	0.71 JB	0.22 J	<0.14	0.23 J	0.22 J	0.20 J	0.15 J	0.41 JB	0.67 JB	0.51 JB	0.45 JB	0.42 JB	0.36 JB	0.66 JB	0.33 JB	0.32 J	0.41 J	0.19 J	0.24 J	0.41 JB	0.34 JB
trans-1,2-Dichloroethene	190	100,000	<0.15	<0.14	<0.13	<0.14	<0.14	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.12	<0.15	<0.13	<0.13	<0.14	<0.13	<0.13	<0.12	<0.13	<0.14	<0.14	<0.13	<0.18	<0.13	<0.12
trans-1,3-Dichloropropene	-	-	<0.12	<0.1	<0.1	<0.11	<0.11	<0.1	<0.1	<0.1	<0.097	<0.1	<0.1	<0.1	<0.096	<0.12	<0.098	<0.1	<0.11	<0.097	<0.098	<0.095	<0.097	<0.11	<0.11	<0.1	<0.14	<0.1	<0.096
Trichloroethene	470	21,000	<0.14	<0.13	<0.12	<0.13	<0.13	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.14	<0.12	<0.12	<0.13	<0.12	<0.12	<0.11	<0.12	<0.13	<0.13	<0.12	<0.16	<0.12	<0.11
Trichlorofluoromethane	-	-	<0.19	<0.17	<0.16	<0.18	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.15	<0.19	<0.16	<0.16	<0.17	<0.15	<0.16	<0.15	<0.16	<0.18	<0.17	<0.16	<0.22	<0.16	<0.15
Vinyl chloride	20	900	<0.4	<0.36	<0.34	<0.37	<0.36	<0.34	<0.34	<0.35	<0.33	<0.34	<0.35	<0.35	<0.33	<0.4	<0.33	<0.34	<0.37	<0.33	<0.33	<0.32	<0.33	<0.37	<0.37	<0.35	<0.46	<0.34	<0.33

Notes:

B = Analytedetected in associated laboratory blank sample.
E = Analyte exceeded range of instrumentation and a diluted sample was reanalyzed.
J = Estimated concentration greater than the Method Detection Limit (MDL) and less than the Reporting Limit (RL).
ND = Not detected above the MDL.

Bold values indicate exceedances of the NYSDEC Track 1 Soil Cleanup Objectives.
Bold shaded values indicate exceedances of the NYSDEC Track 2 Soil Cleanup Objectives.
- = Not established
Only compounds detected in one or more samples are reported. See lab report for complete data.

TABLE 4.3.1 (CONTINUED)
SOIL ANALYTICAL DATA

Analyte	Track 1 Unresticted Use SCOs	Track 2 Restricted Residential SCOs	B-1	B-1 (duplicate)	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	B-7	B-7	B-8	B-8	B-9	B-9	B-10	B-10	B-11	B-11	B-12	B-12	B-13	B-13
			0-2	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27
			8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/30/2014	7/30/2014	8/4/2014	8/4/2014
Semivolatile Organic Compounds in micrograms per kilogram																													
1,1'-Biphenyl	-	-	<52	<49	<47	<46	<48	<47	<46	<47	<46	<46	<47	<46	<46	53 J	<48	<46	<46	<46	<46	<46	<46	<45	<46	<46	<50	<97	<46
1,2,4,5-Tetrachlorobenzene	-	-	<52	<50	<47	<46	<49	<48	<46	<47	<46	<46	<47	<46	<47	<47	<48	<46	<46	<46	<46	<47	<46	<46	<46	<47	<50	<97	<46
2,2'-oxybis[1-chloropropane]	-	-	<43	<41	<38	<38	<40	<39	<38	<38	<38	<38	<39	<38	<38	<38	<40	<38	<38	<38	<38	<38	<38	<38	<38	<38	<41	<80	<38
2,3,4,6-Tetrachlorophenol	-	-	<51	<48	<45	<44	<47	<46	<45	<45	<45	<44	<45	<45	<45	<45	<47	<45	<44	<44	<45	<45	<44	<44	<45	<45	<48	<94	<45
2,4,5-Trichlorophenol	-	-	<50	<48	<45	<44	<47	<46	<44	<45	<44	<44	<45	<44	<45	<45	<46	<44	<44	<44	<44	<45	<44	<44	<45	<45	<48	<93	<44
2,4,6-Trichlorophenol	-	-	<46	<43	<41	<40	<42	<41	<40	<41	<40	<40	<41	<40	<41	<41	<42	<40	<40	<40	<40	<41	<40	<40	<40	<41	<44	<85	<40
2,4-Dichlorophenol	-	-	<57	<54	<51	<50	<53	<52	<50	<51	<50	<50	<51	<50	<51	<51	<53	<50	<50	<50	<50	<51	<50	<50	<51	<51	<55	<110	<50
2,4-Dimethylphenol	-	-	<96	<91	<86	<84	<89	<87	<85	<86	<85	<84	<86	<85	<85	<86	<89	<84	<84	<84	<85	<86	<84	<84	<85	<85	<92	<180	<85
2,4-Dinitrophenol	-	-	<220	<210	<200	<190	<200	<200	<200	<200	<200	<190	<200	<200	<200	<200	<200	<190	<190	<190	<200	<200	<190	<190	<200	<200	<210	<410	<200
2,4-Dinitrotoluene	-	-	<13	<12	<11	<11	<12	<12	<11	<11	<11	<11	<11	<11	<11	<11	<12	<11	<11	<11	<11	<11	<11	<11	<11	<11	<12	<24	<11
2,6-Dinitrotoluene	-	-	<12	<11	<10	<10	<11	<11	<10	<10	<10	<10	<10	<10	<10	<10	<11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<11	<22	<10
2-Chloronaphthalene	-	-	<44	<41	<39	<38	<40	<39	<38	<39	<38	<38	<39	<38	<39	<39	<40	<38	<38	<38	<38	<39	<38	<38	<39	<39	<42	<81	<38
2-Chlorophenol	-	-	<51	<48	<46	<45	<47	<47	<45	<46	<45	<45	<46	<45	<46	<46	<47	<45	<45	<45	<45	<46	<45	<45	<45	<46	<49	<95	<45
2-Methylnaphthalene	-	-	<50	<47	<45	<44	<46	<45	<44	<45	<44	<44	<45	<44	<45	150 J	<46	<44	<44	<44	<44	<45	<44	<44	<44	<45	<48	<93	<44
2-Methylphenol	330	100,000	<67	<63	<59	<58	<61	<60	<59	<59	<59	<58	<59	<59	<59	<59	<61	<58	<58	<58	<59	<59	<58	<58	<59	<59	<64	<120	<59
2-Nitroaniline	-	-	<160	<150	<140	<140	<150	<150	<140	<150	<140	<140	<150	<140	<140	<140	<150	<140	<140	<140	<140	<140	<140	<140	<140	<140	<160	<300	<140
2-Nitrophenol	-	-	<44	<41	<39	<38	<40	<39	<38	<39	<38	<38	<39	<38	<39	<39	<40	<38	<38	<38	<38	<39	<38	<38	<39	<39	<42	<81	<38
3,3'-Dichlorobenzidine	-	-	<140	<130	<120	<120	<130	<120	<120	<120	<120	<120	<120	<120	<120	<120	<130	<120	<120	<120	<120	<120	<120	<120	<120	<120	<130	<250	<120
3-Nitroaniline	-	-	<140	<130	<120	<120	<130	<130	<120	<120	<120	<120	<120	<120	<120	<120	<130	<120	<120	<120	<120	<120	<120	<120	<120	<120	<130	<260	<120
4,6-Dinitro-2-methylphenol	-	-	<110	<100	<95	<93	<98	<96	<94	<95	<94	<93	<95	<94	<94	<95	<98	<93	<93	<93	<94	<95	<93	<93	<94	<94	<100	<200	<94
4-Bromophenyl phenyl ether	-	-	<39	<37	<34	<34	<36	<35	<34	<34	<34	<34	<35	<34	<34	<34	<36	<34	<34	<34	<34	<34	<34	<34	<34	<34	<37	<72	<34
4-Chloro-3-methylphenol	-	-	<59	<56	<52	<51	<54	<53	<52	<52	<52	<51	<53	<52	<52	<52	<54	<52	<51	<51	<52	<52	<52	<51	<52	<52	<56	<110	<52
4-Chloroaniline	-	-	<100	<98	<92	<90	<95	<94	<91	<92	<91	<90	<92	<91	<92	<92	<95	<91	<90	<90	<91	<92	<90	<90	<91	<92	<99	<190	<91
4-Chlorophenyl phenyl ether	-	-	<46	<43	<41	<40	<42	<41	<40	<41	<40	<40	<41	<40	<41	<41	<42	<40	<40	<40	<40	<41	<40	<40	<41	<41	<44	<85	<40
4-Methylphenol	330	100,000	<77	<73	<68	<67	<71	<70	<68	<68	<68	<67	<69	<68	<68	<68	<71	<67	<67	<67	<68	<68	<67	<67	<68	<68	<73	<140	<68
4-Nitroaniline	-	-	<120	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<120	<230	<110
4-Nitrophenol	-	-	<250	<240	<220	<220	<230	<230	<220	<220	<220	<220	<220	<220	<220	<220	<230	<220	<220	<220	<220	<220	<220	<220	<220	<220	<240	<470	<220
Acenaphthene	20,000	100,000	<57	97 J	<51	<50	<53	<52	<50	<51	<50	<50	<51	<50	<50	470	<52	<50	<50	<50	<50	<51	<50	<49	<50	<50	<54	<110	<50
Acenaphthylene	100,000	100,000	<46	<44	<41	<40	<43	<42	<41	<41	<41	<40	<41	<41	<41	<41	<43	<40	<40	<40	<41	<41	<40	<40	<41	<41	<44	<86	<41
Acetophenone	-	-	<60	<57	<53	<52	<55	<54	<53	<53	<53	<52	<53	<53	<53	<53	<55	<53	<52	<52	<53	<53	<52	<52	<53	<53	<57	<110	<53
Anthracene	100,000	100,000	<47	190 J	<42	<41	<44	<43	<42	<42	<42	<41	<42	<42	<42	770	<44	<42	<41	<41	<42	<42	<41	<41	<42	<42	<45	<88	<42
Atrazine	-	-	<60	<57	<54	<53	<56	<55	<53	<54	<53	<53	<54	<53	<54	<54	<56	<53	<53	<53	<53	<54	<53	<52	<53	<54	<58	<110	<53
Benzaldehyde	-	-	<46	<43	<41	<40	<42	<42	<40	<41	<40	<40	<41	<40	<41	<41	<42	<40	<40	<40	<40	<41	<40	<40	<41	<41	<44	<85	<40
Benzo[a]anthracene	1,000	1,000	91	400	<2.4	120	<2.5	<2.5	<2.4	<2.4	<2.4	9.7 J	<2.4	<2.4	<2.4	**1,800**	<2.5	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.6	190	<2.4
Benzo[a]pyrene	1,000	1,000	81	350	<2.5	92	<2.6	7.9 J	<2.4	<2.5	8.6 J	<2.4	<2.5	8.9 J	<2.5	**1,700**	<2.5	15 J	<2.4	23 J	<2.4	<2.5	<2.4	<2.4	<2.4	59	<2.6	170	<2.4
Benzo[b]fluoranthene	1,000	1,000	110	520	<2.2	170	<2.3	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	**2,300**	<2.3	<2.2	<2.2	30 J	<2.2	<2.2	<2.2	<2.1	<2.2	61	<2.4	240	<2.2
Benzo[g,h,i]perylene	100,000	100,000	55 J	240 J	<26	75 J	<27	<26	<25	<26	<25	<25	<26	<25	<26	1,300	<27	<25	<25	<25	<25	<26	<25	<25	<26	<26	<28	200 J	<25
Benzo[k]fluoranthene	800	3,900	50	160	<2.6	60	<2.7	<2.7	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	**930**	<2.7	<2.6	<2.6	12 J	<2.6	<2.6	<2.6	<2.6	<2.6	27 J	<2.8	91	<2.6
Bis(2-chloroethoxy)methane	-	-	<50	<48	<45	<44	<47	<46	<44	<45	<44	<44	<45	<44	<45	<45	<46	<44	<44	<44	<44	<45	<44	<44	<45	<45	<48	<93	<44
Bis(2-chloroethyl)ether	-	-	<5.3	<5	<4.7	<4.7	<4.9	<4.8	<4.7	<4.7	<4.7	<4.6	<4.7	<4.7	<4.7	<4.7	<4.9	<4.7	<4.7	<4.6	<4.7	<4.7	<4.7	<4.6	<4.7	<4.7	<5.1	<9.9	<4.7
Bis(2-ethylhexyl) phthalate	-	-	<130	<120	<120	<110	<120	<120	<110	<120	<110	<110	<120	<110	<120	<120	<120	<110	<110	<110	<110	<120	<110	<110	<110	<120	<120	<240	<110
Butyl benzyl phthalate	-	-	<36	<34	<32	<31	<33	<32	<31	<32	<31	<31	<32	<32	<32	<32	<33	<31	<31	<31	<32	<32	<31	<31	<32	<32	<34	<66	<31
Caprolactam	-	-	<90	<85	<80	<79	<83	<81	<79	<80	<79	<79	<80	<79	<80	<80	<83	<79	<79	<79	<79	<80	<79	<78	<80	<80	<86	<170	<79
Carbazole	-	-	<46	110 J	<41	<40	<43	<42	<41	<41	<41	<40	<41	<41	<41	530	<43	<40	<40	<40	<41	<41	<40	<40	<41	<41	<44	<86	<41
Chrysene	1,000	3,900	92 J	380	<41	130 J	<42	<41	<40	<41	<40	<40	<41	<40	<40	**1,900**	<42	<40	<40	<40	<40	<41	<40	<40	<40	44 J	<43	170 J	<40
Dibenz(a,h)anthracene	330	330	13 J	62	<4.4	16 J	<4.5	<4.5	<4.3	<4.4	<4.3	<4.3	<4.4	<4.3	<4.4	**380**	<4.5	<4.3	<4.3	5.7 J	<4.3	<4.4	<4.3	<4.3	<4.4	<4.4	<4.7	47 J	<4.3
Dibenzofuran	7,000	59,000	<46	81 J	<41	<40	<42	<41	<40	<41	<40	<40	<41	<40	<41	360	<42	<40	<40	<40	<40	<41	<40	<40	<41	<41	<44	<85	<40
Diethyl phthalate	-	-	<46	<44	<41	<41	<43	<42	<41	<41	<41	<41	<41	<41	<41	<41	<43	<41	<41	<41	<41	<41	<41	<40	<41	<41	<44	<86	<41
Dimethyl phthalate	-	-	<46	<44	<41	<40	<43	<42	<41	<41	<41	<40	<41	<41	<41	<41	<43	<41	<40	<40	<41	<41	<40	<40	<41	<41	<44	<86	<41
Di-n-butyl phthalate	-	-	<48	<45	<43	<42	<44	<44	<42	<43	<42	<42	<43	<42	<43	<43	<44	<42	<42	<42	<42	<43	<42	<42	<43	<43	<46	<89	<42
Di-n-octyl phthalate	-	-	<25	<24	<22	<22	<23	<23	<22	<22	<22	<22	<22	<22	<22	<22	<23	<22	<22	<22	<22	<22	<22	<22	<22	<22	<24	<46	<22
Fluoranthene	100,000	100,000	190 J	920	<46	240 J	<48	<47	<46	<46	<46	<45	<46	<46	<46	3,700	<48	<46	<45	<45	<46	<46	<46	<45	<46	91 J	<50	350 J	<46
Fluorene	30,000	100,000	<50	130 J	<44	<44	<46	<45	<44	<44	<44	<44	<45	<44	<44	310 J	<46	<44	<44	<44	<44	<44	<44	<43	<44	<44	<48	<93	<44
Hexachlorobenzene	330	1,200	<5.3	<5	<4.7	<4.7	<4.9	<4.8	<4.7	<4.8	<4.7	<4.7	<4.8	<4.7	<4.7	<4.7	<4.9	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.6	<4.7	<4.7	<5.1	<9.9	<4.7
Hexachlorobutadiene	-	-	<9.5	<9	<8.5	<8.3	<8.8	<8.6	<8.4	<8.5	<8.4	<8.3	<8.5	<8.4	<8.5	<8.5	<8.8	<8.4	<8.3	<8.3	<8.4	<8.5	<8.3	<8.3	<8.4	<8.5	<9.1	<18	<8.4
Hexachlorocyclopentadiene	-	-	<46	<43	<41	<40	<42	<42	<40	<41	<40	<40	<41	<40	<41	<41	<42	<40	<40	<40	<40	<41	<40	<40	<41	<41	<44	<85	<40
Hexachloroethane	-	-	<4.3	<4.1	<3.9	<3.8	<4	<3.9	<3.8	<3.9	<3.8	<3.8	<3.9	<3.8	<3.9	<3.9	<4	<3.8	<3.8	<3.8	<3.8	<3.9	<3.8	<3.8	<3.8	<3.9	<4.1	<8.1	<3.8
Indeno[1,2,3-cd]pyrene	500	500	58	250	<6.5	81	<6.7	<6.6	<6.4	<6.5	<6.4	<6.3	<6.5	<6.4	<6.4	**1,400**	<6.7	10 J	<6.3	19 J	<6.4	<6.5	<6.3	<6.3	<6.4	34 J	<6.9	190	<6.4
Isophorone	-	-	84 J	50 J	<42	<41	<44	<43	<42	<42	<42	<41	<42	<42	<42	<42	<44	<42	<41	<41	<42	<42	<41	<41	<42	<42	<45	110 J	<42
Naphthalene	12,000	100,000	<45	140 J	<40	<39	<42	<41	<40	<40	<40	<39	<40	<40	<40	320 J	<42	<40	<39	<39	<40	<40	<40	<39	<40	<40	<43	<84	<40
Nitrobenzene	-	15,000	<5.5	<5.2	<4.9	<4.8	<5.1	<5	<4.9	<4.9	<4.9	<4.8	<4.9	<4.9	<4.9	<4.9	<5.1	<4.9	<4.8	<4.8	<4.9	<4.9	<4.9	<4.8	<4.9	<4.9	<5.3	<10	<4.9
N-Nitrosodi-n-propylamine	-	-	<6.5	<6.2	<5.8	<5.7	<6	<5.9	<5.7	<5.8	<5.7	<5.7	<5.8	<5.7	<5.8	<5.8	<6	<5.7	<5.7	<5.7	<5.7	<5.8	<5.7	<5.7	<5.8	<5.8	<6.2	<12	<5.7
N-Nitrosodiphenylamine	-	-	<38	<36	<34	<34	<36	<35	<34	<34	<34	<34	<34	<34	<34	<34	<35	<34	<34	<34	<34	<34	<34	<33	<34	<34	<37	<71	<34
Pentachlorophenol	800	6,700	<120	<110	<100	<100	<110	<110	<100	<100	<100	<100	<100	<100	<100	<100	<110	<100	<100	<100	<100	<100	<100	<100	<100	<100	<110	<220	<100
Phenanthrene	100,000	100,000	110 J	800	<44	140 J	<46	<45	<44	<44	<44	<43	<44	<44	<44	3,600	<46	<44	<43	<43	<44	<44	<43	<43	<44	52 J	<47	170 J	<44
Phenol	330	100,000	<52	<49	<47	<46	<48	<47	<46	<47	<46	<46	<47	<46	<47	<47	<48	<46	<46	<46	<46	<47	<46	<46	<46	<47	<50	<97	<46
Pyrene	100,000	100,000	150 J	630	<29	200 J	<30	<30	<29	<29	<29	<29	<29	<29	<29	3,500	<30	<29	<29	38 J	<29	<29	<29	<28	<29	79 J	<31	220 J	33 J

Notes:

B = Analytedetected in associated laboratory blank sample.
E = Analyte exceeded range of instrumentation and a diluted sample was reanalyzed.
J = Estimated concentration greater than the Method Detection Limit (MDL) and less than the Reporting Limit (RL).
ND = Not detected above the MDL.

Bold values indicate exceedances of the NYSDEC Track 1 Soil Cleanup Objectives.
Bold shaded values indicate exceedances of the NYSDEC Track 2 Soil Cleanup Objectives.
- = Not established
Only compounds detected in one or more samples are reported. See lab report for complete data.

TABLE 4.3.1 (CONTINUED)
SOIL ANALYTICAL DATA

Analyte	Track 1 Unrestricted Use SCOs	Track 2 Restricted Residential SCOs	B-1	B-1 (duplicate)	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	B-7	B-7	B-8	B-8	B-9	B-9	B-10	B-10	B-11	B-11	B-12	B-12	B-13	B-13
			0-2	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27	0-2	25-27
			8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	7/31/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	8/4/2014	7/31/2014	7/31/2014	7/30/2014	7/30/2014	8/4/2014	8/4/2014
Metals in milligrams per kilogram																													
Silver	2	180	<0.41	<0.42	<0.36	<0.38	<0.38	<0.39	<0.37	<0.33	<0.31	<0.30	<0.33	<0.27	<0.29	<0.36	<0.40	<0.38	<0.38	<0.40	<0.36	<0.35	<0.36	0.31 J	<0.32	<0.31	<0.36	<0.39	<0.38
Aluminum	-	-	7,760	6,920	2,830	3,170	5,490	6,830	2,960	5,880	3,710	6,450	2,930	3,440	3,130	5,930	3,590	4,380	3,150	4,820	5,070	5,320	4,120	4,520	3,530	5,200	3,240	7,640	3,440
Arsenic	13	16	<0.86	1.0 J	1.3 J	<0.81	<0.80	<0.82	<0.78	<0.70	<0.66	<0.64	<0.70	<0.57	<0.62	<0.77	<0.84	<0.80	<0.81	<0.84	<0.77	<0.74	<0.75	<0.61	<0.67	0.70 J	<0.76	6.9	<0.80
Barium	350	400	83.9	110	24.3 J	35.2 J	48.5	76.2	31 J	60.2	45.9	98.9	33.8 J	36.7	33.1	63.8	42.9	45.5	36.6 J	56.4	60.6	58.7	43.1	44.5	35	54.3	32 J	82.1	36.7 J
Beryllium	7.2	72	<0.29	<0.29	<0.26	<0.27	<0.26	<0.27	<0.26	<0.23	<0.22	<0.21	<0.23	<0.19	<0.20	<0.26	<0.28	<0.27	<0.27	<0.28	<0.26	<0.24	<0.25	<0.20	<0.22	<0.22	<0.25	<0.28	<0.26
Calcium	-	-	7,180	14,100	830 J	366 J	931 J	1,410	924 J	403 J	747 J	817	472 J	681 J	782	1,920	1,050	752 J	489 J	1,330	584 J	964	1,070	827	492 J	1,480	697 J	22,500	1,480
Cadmium	2.5	4.3	<0.30	<0.30	<0.27	<0.28	<0.28	<0.28	<0.27	<0.24	<0.23	<0.22	<0.24	<0.20	<0.21	<0.27	<0.29	<0.28	<0.28	<0.29	<0.27	<0.25	<0.26	<0.21	<0.23	<0.23	<0.26	0.33 J	<0.28
Cobalt	-	-	6.8 J	6.4 J	8.5 J	3.5 J	6.6 J	11.1	4.1 J	5.8 J	3.9 J	5.6 J	3.2 J	5.2 J	4.4 J	6.7 J	5.6 J	4.3 J	3.7 J	6.1 J	4.7 J	6.2 J	6.7 J	8.4	3.9 J	5.0 J	4.1 J	6.2 J	8.2 J
Chromium	30	180	19.5	17.8	15.1	7.6	15.7	25	10	14.6	9.5	16.3	7.3	10.7	10.7	15.6	12	10.1	8.6	15.2	15.5	15.4	13.6	14.2	9.8	12.8	9.5	21	15.9
Copper	50	270	14.8	16	29.2	9.9	14.3	24.4	13.3	10.4	9.1	11.1	9.0	14.6	16.6	21.7	15.7	12.6	9.3	18.2	9.0	17.1	19.9	24.5	12.1	18.1	11	32.2	28.1
Iron	-	-	17,300	16,100	21,200	9,620	12,100	26,400	9,490	15,800	9,050	13,700	6,040	11,700	11,300	19,100	12,300	10,100	8,220	14,600	10,800	17,400	13,800	17,900	9,210	12,100	9,260	15,800	15,800
Potassium	-	-	3,060	2,330	592 J	1,340	1,870	2,610	1,060	2,260	1,740	3,280	967	1,290	911	2,360	1,510	1,620	1,160	1,700	2,200	1,910	1,390	1,480	1,060	1,460	1,110	2,630	973 J
Magnesium	-	-	4,140	4,260	942	1,250	2,100	2,440	1,160	2,190	1,670	3,020	1,040	1,340	1,090	2,140	1,540	1,770	1,330	1,810	2,500	1,960	1,630	1,600	1,250	1,710	1,240	4,650	1,330
Manganese	1,600	2,000	236	240	317	121	122	513	148	265	150	166	134	171	126	248	209	124	142	198	176	238	208	386	134	256	290	174	284
Sodium	-	-	512 J	377 J	74.2 J	298 J	718 J	165 J	344 J	<64.6	<61.0	164 J	<64.3	<52.4	<57.0	110 J	174 J	90.5 J	202 J	300 J	714 J	285 J	619 J	130 J	423 J	93.2 J	158 J	194 J	670 J
Nickel	30	310	16.4	14.4	12.8	9.3	17.5	20.4	10	13.2	10.6	17.6	8.1	10.9	11.3	14.5	12.8	10.1	11.4	12.6	15.6	13.7	15.6	14.2	10.9	11.3	10.2	18.1	16.3
Lead	63	400	11.1	24.5	2.7	1.8 J	2.4	3.8	2.0	3.4	1.8	2.4	1.4 J	2.4	2.1	28.6	2.3	15.8	1.5 J	4.8	1.5 J	28.7	7.4	3.1	1.9	45.8	2.0	**76.2**	2.4
Antimony	-	-	<1.6	<1.6	<1.4	<1.5	<1.5	<1.5	<1.4	<1.3	<1.2	<1.2	<1.3	<1.0	<1.1	<1.4	<1.6	<1.5	<1.5	<1.5	<1.4	<1.4	<1.4	<1.1	<1.2	<1.2	<1.4	<1.5	<1.5
Selenium	3.9	180	<1.2	<1.2	<1.1	1.6 J	2.0 J	2.8 J	1.3 J	<0.97	<0.92	<0.89	<0.97	<0.79	<0.86	<1.1	<1.2	<1.1	<1.1	<1.2	<1.1	<1.0	<1.1	<0.85	<0.94	<0.92	<1.1	<1.2	<1.1
Thallium	-	-	<2.1	<2.1	<1.8	<1.9	<1.9	<2.0	<1.9	<1.7	<1.6	<1.5	<1.7	<1.4	<1.5	<1.8	<2.0	<1.9	<1.9	<2.0	<1.8	<1.8	<1.8	<1.5	<1.6	<1.6	<1.8	<2.0	<1.9
Vanadium	-	-	24.2	23	27.7	11.1	19.2	37.8	12.2	18.6	12.2	19.3	7.9 J	13	14.2	21.6	17.6	13.3	10.6	19.7	16.1	20.5	18.7	19.8	11.9	15.5	12.1	29.9	21.5
Zinc	109	10,000	44.9	84.1	15	13.9	20.8	28.4	27.7	42.1	21.6	27.4	10.5	24.9	14.6	34.4	18	18.6	18.7	21.9	22.5	24.2	27.9	18.8	13.9	41.3	13.1	121	83.6
Mercury	0.18	0.81	0.018 J	0.021	<0.011	<0.011	<0.012	<0.013	<0.012	<0.012	<0.012	0.012 J	<0.011	<0.012	<0.012	<0.013	<0.013	<0.012	<0.012	<0.012	<0.011	0.012 J	<0.012	<0.011	<0.012	0.044	<0.013	0.060	<0.012
Pesticides in micrograms per kilogram																													
4,4'-DDD	3	13,000	<1.5	<1.5	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.4	<1.3	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4
4,4'-DDE	3	8,900	<1.5	<1.5	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.4	<1.3	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4
4,4'-DDT	3	7,900	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.8	<1.8	<1.7
Aldrin	5	97	<1.7	<1.6	<1.5	<1.4	<1.5	<1.5	<1.5	<1.5	<1.5	<1.4	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.4	<1.4	<1.5	<1.5	<1.4	<1.4	<1.5	<1.5	<1.6	<1.5	<1.5
alpha-BHC	20	480	<1.8	<1.7	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.7	<1.6	<1.6
beta-BHC	36	360	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.8	<1.8	<1.7
Chlordane (technical)	-	-	<22	<21	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<21	<20
delta-BHC	40	100,000	<1.4	<1.3	<1.3	<1.2	<1.3	<1.3	<1.2	<1.3	<1.2	<1.2	<1.3	<1.2	<1.3	<1.3	<1.3	<1.2	<1.2	<1.2	<1.3	<1.3	<1.2	<1.2	<1.3	<1.3	<1.4	<1.3	<1.3
Dieldrin	5	200	<1.4	<1.3	<1.3	<1.2	<1.3	<1.3	<1.2	<1.3	<1.2	<1.2	<1.3	<1.2	<1.3	<1.3	<1.3	<1.2	<1.2	<1.2	<1.3	<1.3	<1.2	<1.2	<1.3	<1.3	<1.4	<1.3	<1.3
Endosulfan I	2,400	24,000	<1.8	<1.7	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.7	<1.6	<1.6
Endosulfan II	2,400	24,000	<1.5	<1.5	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.4	<1.3	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4
Endosulfan sulfate	2,400	24,000	<1.5	<1.5	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.4	<1.3	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4
Endrin	14	11,000	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.8	<1.8	<1.7
Endrin aldehyde	-	-	<1.2	<1.1	<1.1	<1	<1.1	<1.1	<1	<1	<1	<1	<1.1	<1	<1	<1.1	<1.1	<1	<1	<1	<1	<1.1	<1	<1	<1	<1	<1.1	<1.1	<1
Endrin ketone	-	-	<1.5	<1.5	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.3	<1.4	<1.4	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.4	<1.4	<1.3	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4
gamma-BHC (Lindane)	100	1,300	<1.4	<1.3	<1.3	<1.2	<1.3	<1.3	<1.2	<1.3	<1.2	<1.2	<1.3	<1.2	<1.3	<1.3	<1.3	<1.2	<1.2	<1.2	<1.3	<1.3	<1.2	<1.2	<1.3	<1.3	<1.4	<1.3	<1.3
Heptachlor	42	2,100	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.8	<1.8	<1.7
Heptachlor epoxide	-	-	<1.8	<1.7	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.5	<1.5	<1.6	<1.6	<1.7	<1.6	<1.6
Methoxychlor	-	-	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.7	<1.6	<1.7	<1.7	<1.8	<1.8	<1.7
Toxaphene	-	-	<21	<20	<19	<19	<20	<19	<19	<19	<19	<19	<19	<19	<19	<19	<20	<19	<19	<19	<19	<19	<19	<19	<19	<19	<20	<20	<19
Polychlorinated Biphenyls in micrograms per kilogram																													
Aroclor 1016	100	1,000	<18	<17	<16	<15	<16	<16	<16	<16	<16	<15	<16	<16	<16	<16	<16	<16	<15	<15	<16	<16	<15	<15	<16	<16	<17	<16	<16
Aroclor 1221	100	1,000	<18	<17	<16	<15	<16	<16	<16	<16	<16	<15	<16	<16	<16	<16	<16	<16	<15	<15	<16	<16	<15	<15	<16	<16	<17	<16	<16
Aroclor 1232	100	1,000	<18	<17	<16	<15	<16	<16	<16	<16	<16	<15	<16	<16	<16	<16	<16	<16	<15	<15	<16	<16	<15	<15	<16	<16	<17	<16	<16
Aroclor 1242	100	1,000	<18	<17	<16	<15	<16	<16	<16	<16	<16	<15	<16	<16	<16	<16	<16	<16	<15	<15	<16	<16	<15	<15	<16	<16	<17	<16	<16
Aroclor 1248	100	1,000	<18	<17	<16	<15	<16	<16	<16	<16	<16	<15	<16	<16	<16	<16	<16	<16	<15	<15	<16	<16	<15	<15	<16	<16	<17	<16	<16
Aroclor 1254	100	1,000	<22	<21	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<21	<20
Aroclor 1260	100	1,000	<22	<21	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<21	<20
Aroclor 1268	100	1,000	<22	<21	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<21	<20
Aroclor-1262	100	1,000	<22	<21	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<21	<21	<20

Notes:

B = Analytedetected in associated laboratory blank sample.
E = Analyte exceeded range of instrumentation and a diluted sample was reanalyzed.
J = Estimated concentration greater than the Method Detection Limit (MDL) and less than the Reporting Limit (RL).
ND = Not detected above the MDL.

Bold values indicate exceedances of the NYSDEC Track 1 Soil Cleanup Objectives.
Bold shaded values indicate exceedances of the NYSDEC Track 2 Soil Cleanup Objectives.
- = Not established
Only compounds detected in one or more samples are reported. See lab report for complete data.

TABLE 4.3.2
GROUNDWATER ANALYTICAL DATA

Analyte	NYSDEC Class GA Ambient Water	GW-1 7/31/2014	GW-2 7/31/2014	GW-3 7/31/2014	GW-4 7/31/2014	GW-4D (duplicate) 7/31/2014	GW-5 7/31/2014	GW-6 7/31/2014	RXMW-6 7/31/2014	MW-17 7/31/2014
Volatile Organic Compounds in micrograms per liter										
1,1,1-Trichloroethane	5	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
1,1,2,2-Tetrachloroethane	5	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1,1,2-Trichloro-1,2,2-trifluoroethane	-	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
1,1,2-Trichloroethane	-	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
1,1-Dichloroethane	5	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,1-Dichloroethene	5	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
1,2,3-Trichlorobenzene	-	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
1,2,4-Trichlorobenzene	5	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromo-3-Chloropropane	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,2-Dichlorobenzene	3	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichloroethane	5	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
1,2-Dichloropropane	-	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
1,3-Dichlorobenzene	5	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,4-Dichlorobenzene	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.25 J
1,4-Dioxane	-	<36	<36	<36	<36	<36	<36	<36	<36	<36
2-Butanone (MEK)	50	<2.3	<2.3	<2.3	20	31	<2.3	<2.3	<2.3	<2.3
2-Hexanone	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Methyl-2-pentanone (MIBK)	-	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
Acetone	-	16	14	<2.7	24	40	17	14	<2.7	<2.7
Benzene	1	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
Bromoform	-	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Bromomethane	-	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Carbon disulfide	60	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Carbon tetrachloride	5	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
Chlorobenzene	5	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Chlorobromomethane	-	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Chlorodibromomethane	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroethane	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Chloroform	7	<0.080	<0.080	1.8	<0.080	<0.080	<0.080	0.11 J	0.29 J	0.37 J
Chloromethane	-	1.0	<0.10	0.46 J	<0.10	<0.10	0.59 J	0.62 J	<0.10	<0.10
cis-1,2-Dichloroethene	5	<0.18	**36**	<0.18	3.1	2.9	<0.18	0.21 J	0.42 J	1.7
cis-1,3-Dichloropropene	-	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Cyclohexane	-	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Dichlorobromomethane	-	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Dichlorodifluoromethane	-	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Ethylbenzene	5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	-	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	5	<0.080	0.33 J	<0.080	**5.6**	**7.3**	<0.080	<0.080	<0.080	<0.080
Methyl acetate	-	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Methyl tert-butyl ether	10	<0.14	<0.14	<0.14	0.17 J	0.14 J	<0.14	<0.14	<0.14	<0.14
Methylcyclohexane	-	<0.14	<0.14	<0.14	34	53	<0.14	<0.14	<0.14	<0.14
Methylene Chloride	5	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
m-Xylene & p-Xylene	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
o-Xylene	-	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Styrene	-	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Tetrachloroethene	5	0.29 J	**10**	0.27 J	**140**	**140**	0.23 J	**6.0**	**14**	**35**
Toluene	5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	5	<0.13	0.94 J	<0.13	0.44 J	0.40 J	<0.13	<0.13	<0.13	0.23 J
trans-1,3-Dichloropropene	-	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Trichloroethene	5	<0.090	**18**	<0.090	**22**	**21**	<0.090	0.60 J	0.72 J	**8.0**
Trichlorofluoromethane	-	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Vinyl chloride	2	<0.14	1.3	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14

Notes:

J = Estimated concentration greater than the MDL and less than the RL.
Bold shaded values indicate exceedances of the NYSDEC Class GA Ambient Water Quality Standards.
- = Not established

FPM

TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA

Analyte	NYSDEC Class GA Ambient Water Quality Standard	GW-1 7/31/2014	GW-2 7/31/2014	GW-3 7/31/2014	GW-4 7/31/2014	GW-4D (duplicate) 7/31/2014	GW-5 7/31/2014	GW-6 7/31/2014	RXMW-6 7/31/2014	MW-17 7/31/2014
Semivolatile Organic Compounds in micrograms per liter										
1,1'-Biphenyl	-	<2.0	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	NA	NA
1,2,4,5-Tetrachlorobenzene	-	<2.0	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	NA	NA
2,2'-oxybis[1-chloropropane]	-	<1.5	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	NA	NA
2,3,4,6-Tetrachlorophenol	-	<1.0	<0.93	<1.1	<0.97	<0.97	<0.97	<0.97	NA	NA
2,4,5-Trichlorophenol	-	<2.5	<2.3	<2.6	<2.4	<2.4	<2.4	<2.4	NA	NA
2,4,6-Trichlorophenol	-	<1.6	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	NA	NA
2,4-Dichlorophenol	1	<1.3	<1.1	<1.3	<1.2	<1.2	<1.2	<1.2	NA	NA
2,4-Dimethylphenol	-	<1.4	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	NA	NA
2,4-Dinitrophenol	1	<2.3	<2.1	<2.4	<2.2	<2.2	<2.2	<2.2	NA	NA
2,4-Dinitrotoluene	-	<0.32	<0.29	<0.33	<0.30	<0.30	<0.30	<0.30	NA	NA
2,6-Dinitrotoluene	5	<0.31	<0.28	<0.32	<0.29	<0.29	<0.29	<0.29	NA	NA
2-Chloronaphthalene	-	<1.5	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	NA	NA
2-Chlorophenol	-	<1.1	<0.97	<1.1	<1.0	<1.0	<1.0	<1.0	NA	NA
2-Methylnaphthalene	-	<1.7	<1.6	<1.8	<1.6	2.3 J	<1.6	<1.6	NA	NA
2-Methylphenol	-	<1.6	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	NA	NA
2-Nitroaniline	5	<2.3	<2.1	<2.4	<2.2	<2.2	<2.2	<2.2	NA	NA
2-Nitrophenol	-	<0.77	<0.71	<0.81	<0.74	<0.74	<0.74	<0.74	NA	NA
3,3'-Dichlorobenzidine	-	<3.6	<3.3	<3.8	<3.5	<3.5	<3.5	<3.5	NA	NA
3-Nitroaniline	5	<3.3	<3.0	<3.5	<3.2	<3.2	<3.2	<3.2	NA	NA
4,6-Dinitro-2-methylphenol	-	<3.4	<3.1	<3.6	<3.3	<3.3	<3.3	<3.3	NA	NA
4-Bromophenyl phenyl ether	-	<1.3	<1.1	<1.3	<1.2	<1.2	<1.2	<1.2	NA	NA
4-Chloro-3-methylphenol	-	<1.3	<1.1	<1.3	<1.2	<1.2	<1.2	<1.2	NA	NA
4-Chloroaniline	5	<0.36	<0.33	<0.38	<0.35	<0.35	<0.35	<0.35	NA	NA
4-Chlorophenyl phenyl ether	-	<1.7	<1.6	<1.8	<1.6	<1.6	<1.6	<1.6	NA	NA
4-Methylphenol	-	<1.1	<1.0	<1.2	<1.1	<1.1	<1.1	<1.1	NA	NA
4-Nitroaniline	-	<3.3	<3.0	<3.5	<3.2	<3.2	<3.2	<3.2	NA	NA
4-Nitrophenol	-	<2.3	<2.1	<2.4	<2.2	<2.2	<2.2	<2.2	NA	NA
Acenaphthene	-	<1.3	<1.1	<1.3	<1.2	<1.2	<1.2	<1.2	NA	NA
Acenaphthylene	-	<2.0	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	NA	NA
Acetophenone	-	<1.0	<0.93	<1.1	<0.97	<0.97	<0.97	<0.97	NA	NA
Anthracene	50	<0.97	<0.89	<1.0	<0.92	<0.92	<0.92	<0.92	NA	NA
Atrazine	-	<1.1	<1.0	<1.2	<1.1	<1.1	<1.1	<1.1	NA	NA
Benzaldehyde	-	<2.4	<2.2	<2.5	<2.3	<2.3	<2.3	<2.3	NA	NA
Benzo[a]anthracene	-	<0.20	<0.19	<0.21	<0.20	<0.20	<0.20	<0.20	NA	NA
Benzo[a]pyrene	ND	**0.33 J**	<0.15	<0.17	<0.15	<0.15	<0.15	<0.15	NA	NA
Benzo[b]fluoranthene	-	<0.24	<0.22	<0.25	<0.23	<0.23	<0.23	<0.23	NA	NA
Benzo[g,h,i]perylene	-	<1.1	<0.97	<1.1	<1.0	<1.0	<1.0	<1.0	NA	NA
Benzo[k]fluoranthene	-	<0.16	<0.15	<0.17	<0.15	<0.15	<0.15	<0.15	NA	NA
Bis(2-chloroethoxy)methane	-	<1.1	<1.0	<1.2	<1.1	<1.1	<1.1	<1.1	NA	NA
Bis(2-chloroethyl)ether	-	<0.34	<0.31	<0.36	<0.33	<0.33	<0.33	<0.33	NA	NA
Bis(2-ethylhexyl) phthalate	5	<0.92	<0.84	<0.96	**8.2 J**	<0.88	<0.88	<0.88	NA	NA
Butyl benzyl phthalate	-	<1.6	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	NA	NA
Caprolactam	-	<1.0	<0.95	<1.1	<0.99	<0.99	<0.99	<0.99	NA	NA
Carbazole	-	1.7 J	<1.3	<1.4	<1.3	<1.3	<1.3	<1.3	NA	NA
Chrysene	-	<1.6	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	NA	NA
Dibenz(a,h)anthracene	-	<0.18	<0.17	<0.19	<0.17	<0.17	<0.17	<0.17	NA	NA
Dibenzofuran	-	<1.7	<1.6	<1.8	<1.6	<1.6	<1.6	<1.6	NA	NA
Diethyl phthalate	-	<1.6	<1.5	<1.7	<1.5	<1.5	<1.5	<1.5	NA	NA
Dimethyl phthalate	-	<1.3	<1.1	<1.3	<1.2	<1.2	<1.2	<1.2	NA	NA
Di-n-butyl phthalate	50	<1.1	<1.0	<1.2	<1.1	<1.1	<1.1	<1.1	NA	NA
Di-n-octyl phthalate	-	<1.0	<0.92	<1.0	<0.96	<0.96	<0.96	<0.96	NA	NA
Fluoranthene	-	2.2 J	<1.1	2.4 J	<1.2	<1.2	<1.2	<1.2	NA	NA
Fluorene	-	<1.9	<1.8	<2.0	<1.8	<1.8	<1.8	<1.8	NA	NA
Hexachlorobenzene	0.04	<0.23	<0.21	<0.24	<0.22	<0.22	<0.22	<0.22	NA	NA
Hexachlorobutadiene	-	<0.77	<0.71	<0.81	<0.74	<0.74	<0.74	<0.74	NA	NA
Hexachlorocyclopentadiene	-	<1.7	<1.6	<1.8	<1.6	<1.6	<1.6	<1.6	NA	NA
Hexachloroethane	-	<0.17	<0.16	<0.18	<0.16	<0.16	<0.16	<0.16	NA	NA
Indeno[1,2,3-cd]pyrene	-	<0.13	<0.11	<0.13	<0.12	<0.12	<0.12	<0.12	NA	NA
Isophorone	-	<1.5	<1.4	<1.5	<1.4	<1.4	<1.4	<1.4	NA	NA
Naphthalene	-	2.3 J	<2.1	<2.4	<2.2	<2.2	<2.2	<2.2	NA	NA
Nitrobenzene	0.4	<0.39	<0.35	<0.40	<0.37	<0.37	<0.37	<0.37	NA	NA
N-Nitrosodi-n-propylamine	-	<0.31	<0.28	<0.32	<0.29	<0.29	<0.29	<0.29	NA	NA
N-Nitrosodiphenylamine	-	<1.1	<1.0	<1.2	<1.1	<1.1	<1.1	<1.1	NA	NA
Pentachlorophenol	1	<3.1	<2.8	<3.2	<2.9	<2.9	<2.9	<2.9	NA	NA
Phenanthrene	-	6.7 J	<1.3	3.7 J	<1.3	<1.3	2.0 J	<1.3	NA	NA
Phenol	1	<0.68	<0.63	<0.71	<0.65	<0.65	<0.65	<0.65	NA	NA
Pyrene	-	2.2 J	<1.1	2.2 J	<1.2	<1.2	<1.2	<1.2	NA	NA

Notes:

J = Estimated concentration greater than the MDL and less than the RL.

Bold shaded values indicate exceedances of the NYSDEC Class GA Ambient Water Quality Standards.

- = Not established

FPM

TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA

Analyte	NYSDEC Class GA Ambient Water Quality Standard	GW-1 7/31/2014	GW-2 7/31/2014	GW-3 7/31/2014	GW-4 7/31/2014	GW-4D (duplicate) 7/31/2014	GW-5 7/31/2014	GW-6 7/31/2014	RXMW-6 7/31/2014	MW-17 7/31/2014
Total Metals in micrograms per liter										
Silver	50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	NA	NA
Aluminum	-	27,000	14,300	3,920	1,920	1,930	11,400	6,390	NA	NA
Arsenic	25	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	NA	NA
Barium	1,000	457	176 J	87.4 J	106 J	99.8 J	348	318	NA	NA
Beryllium	-	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NA	NA
Calcium	-	69,900	134,000	93,400	33,300	30,300	190,000	201,000	NA	NA
Cadmium	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NA	NA
Cobalt	-	28.8 J	23.4 J	4.8 J	<3.8	<3.8	9.3 J	13.6 J	NA	NA
Chromium	50	**141**	**79.9**	22.7	6.7 J	7.1 J	**82.3**	**120**	NA	NA
Copper	200	86.7	98.1	19.9 J	12.3 J	10.8 J	59.8	48.5	NA	NA
Iron	300	**57,000**	**40,800**	**14,100**	**4,220**	**3,960**	**30,800**	**23,700**	NA	NA
Potassium	-	16,900	14,800	10,100	8,220	7,910	27,800	23,200	NA	NA
Magnesium	3,500	**19,800**	**37,500**	**10,900**	**6,590**	**6,030**	**34,400**	**47,700**	NA	NA
Manganese	300	**2,150**	**1,340**	**397**	162	149	**1,010**	**711**	NA	NA
Sodium	20,000	**391,000**	**658,000**	**142,000**	**1,112,000**	**1,090,000**	**1,150,000**	**452,000**	NA	NA
Nickel	100	77.7	65.2	19.1 J	10.5 J	10.1 J	43.4	50.9	NA	NA
Lead	25	**28.2**	24.3	<4.6	<4.6	<4.6	<4.6	<4.6	NA	NA
Antimony	3	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	NA	NA
Selenium	10	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	NA	NA
Thallium	-	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	NA	NA
Vanadium	-	67.5	46.9 J	10.2 J	5.5 J	5.1 J	31.8 J	14.9 J	NA	NA
Zinc	2,000	219	112	58.9	20.9 J	19.9 J	110	414	NA	NA
Mercury	0.7	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	NA	NA
Dissolved Metals in micrograms per liter										
Silver	50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	NA	NA
Aluminum	-	77.9 J	158 J	107 J	<73.6	<73.6	167 J	202	NA	NA
Arsenic	25	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	NA	NA
Barium	1,000	157 J	85 J	56.3 J	94.5 J	93 J	193 J	275	NA	NA
Beryllium	-	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	NA	NA
Calcium	-	65,500	150,000	92,200	35,300	35,500	202,000	228,000	NA	NA
Cadmium	5	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	NA	NA
Cobalt	-	7.4 J	4.2 J	<3.8	<3.8	<3.8	<3.8	14 J	NA	NA
Chromium	50	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	NA	NA
Copper	200	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	NA	NA
Iron	300	<51.4	<51.4	<51.4	<51.4	<51.4	<514	<514	NA	NA
Potassium	-	8,680	13,600	10,300	9,310	9,090	27,900	25,900	NA	NA
Magnesium	3,500	**12,200**	**38,800**	**10,200**	**6,470**	**6,530**	**34,500**	**52,700**	NA	NA
Manganese	300	**1,830**	**1,350**	136	135	144	**872**	**880**	NA	NA
Sodium	20,000	**421,000**	**697,000**	**155,000**	**1,220,000**	**1,230,000**	**1,220,000**	**512,000**	NA	NA
Nickel	100	12.1 J	17.1 J	<7.8	<7.8	<7.8	10.2 J	26.3 J	NA	NA
Lead	25	14.7	12.5	8.0 J	9.3 J	9.7 J	10.6	11.4	NA	NA
Antimony	3	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	NA	NA
Selenium	10	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	NA	NA
Thallium	-	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	NA	NA
Vanadium	-	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	NA	NA
Zinc	2,000	13 J	14.8 J	7.2 J	<5.9	<5.9	13.3 J	214	NA	NA
Mercury	0.7	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	NA	NA

Notes:

J = Estimated concentration greater than the MDL and less than the RL.

Bold shaded values indicate exceedances of the NYSDEC Class GA Ambient Water Quality Standards.

- = Not established

TABLE 4.3.2 (CONTINUED)
GROUNDWATER ANALYTICAL DATA

Analyte	NYSDEC Class GA Ambient Water Quality Standard	GW-1 7/31/2014	GW-2 7/31/2014	GW-3 7/31/2014	GW-4 7/31/2014	GW-4D (duplicate) 7/31/2014	GW-5 7/31/2014	GW-6 7/31/2014	RXMW-6 7/31/2014	MW-17 7/31/2014
Pesticides in micrograms per liter										
4,4'-DDD	0.3	<0.019	<0.020	<0.020	<0.019	<0.019	<0.020	<0.020	NA	NA
4,4'-DDE	0.2	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
4,4'-DDT	0.2	<0.017	<0.018	<0.018	<0.017	<0.017	<0.018	<0.018	NA	NA
Aldrin	ND	<0.017	<0.018	<0.018	<0.017	<0.017	<0.018	<0.018	NA	NA
alpha-BHC	-	<0.0090	<0.0094	<0.0094	<0.0090	<0.0090	<0.0094	<0.0094	NA	NA
beta-BHC	-	<0.013	<0.014	<0.014	<0.013	<0.013	<0.014	<0.014	NA	NA
Chlordane (technical)	0.05	<0.21	<0.22	<0.22	<0.21	<0.21	<0.22	<0.22	NA	NA
delta-BHC	-	<0.012	<0.013	<0.013	<0.012	<0.012	<0.013	<0.013	NA	NA
Dieldrin	0.004	<0.022	<0.023	<0.023	<0.022	<0.022	<0.023	<0.023	NA	NA
Endosulfan I	-	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
Endosulfan II	-	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
Endosulfan sulfate	-	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
Endrin	ND	<0.017	<0.018	<0.018	<0.017	<0.017	<0.018	<0.018	NA	NA
Endrin aldehyde	5	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
Endrin ketone	5	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
gamma-BHC (Lindane)	-	<0.014	<0.015	<0.015	<0.014	<0.014	<0.015	<0.015	NA	NA
Heptachlor	0.04	<0.014	<0.015	<0.015	<0.014	<0.014	<0.015	<0.015	NA	NA
Heptachlor epoxide	0.03	<0.016	<0.017	<0.017	<0.016	<0.016	<0.017	<0.017	NA	NA
Methoxychlor	35	<0.015	<0.016	<0.016	<0.015	<0.015	<0.016	<0.016	NA	NA
Toxaphene	0.06	<0.34	<0.35	<0.35	<0.34	<0.34	<0.35	<0.35	NA	NA
Polychlorinated Biphenyls in micrograms per liter										
Aroclor 1016	0.09	<0.27	<0.28	<0.28	<0.27	<0.27	<0.28	<0.28	NA	NA
Aroclor 1221	0.09	<0.27	<0.28	<0.28	<0.27	<0.27	<0.28	<0.28	NA	NA
Aroclor 1232	0.09	<0.27	<0.28	<0.28	<0.27	<0.27	<0.28	<0.28	NA	NA
Aroclor 1242	0.09	<0.27	<0.28	<0.28	<0.27	<0.27	<0.28	<0.28	NA	NA
Aroclor 1248	0.09	<0.27	<0.28	<0.28	<0.27	<0.27	<0.28	<0.28	NA	NA
Aroclor 1254	0.09	<0.21	<0.22	<0.22	<0.21	<0.21	<0.22	<0.22	NA	NA
Aroclor 1260	0.09	<0.21	<0.22	<0.22	<0.21	<0.21	<0.22	<0.22	NA	NA
Aroclor 1268	0.09	<0.21	<0.22	<0.22	<0.21	<0.21	<0.22	<0.22	NA	NA
Aroclor-1262	0.09	<0.21	<0.22	<0.22	<0.21	<0.21	<0.22	<0.22	NA	NA

Notes:

J = Estimated concentration greater than the MDL and less than the RL.
Bold shaded values indicate exceedances of the NYSDEC Class GA Ambient Water Quality Standards.
- = Not established

Table 4.3.3: Soil Vapor Analytical Data

Analyte	SV-1 22-23 7/30-31/2014	SV-2 22-23 7/30-31/2014	SV-3 22-23 7/30-31/2014	SV-4 22-23 7/30-31/2014	SV-5 22-23 7/30-31/2014	SV-6 22-23 7/30-31/2014	SV-7 22-23 7/30-31/2014	SV-8 22-23 7/30-31/2014	SV-9 22-23 7/30-31/2014	SV-10 22-23 7/30-31/2014
Volatile Organic Compounds in micrograms per cubic meter										
1,1,1-Trichloroethane	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,2-Trichloroethane	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2
1,1-Dichloroethane	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
1,1-Dichloroethene	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
1,2,4-Trichlorobenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
1,2,4-Trimethylbenzene	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
1,2-Dibromethane	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
1,2-Dichlorobenzene	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
1,2-Dichloroethane	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
1,2-Dichloropropane	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,3,5-Trimethylbenzene	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
1,3-butadiene	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
1,3-Dichlorobenzene	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
1,4-Dichlorobenzene	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
1,4-Dioxane	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
2,2,4-Trimethylpentane	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
4-Ethyltoluene	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
Acetone	39,000 E	29,000 E	16,000 E	4,300 E	10,000 E	15,000 E	5,900 E	18,000 E	36,000 E	11,000 E
Allyl chloride	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Benzene	10	3.5 J	3.5 J	<4.8	<4.8	3.8 J	<4.8	3.5 J	11	<4.8
Benzyl chloride	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Bromodichloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
Bromomethane	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
Carbon disulfide	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Carbon tetrachloride	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
Chlorobenzene	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
Chloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroform	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3
Chloromethane	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
cis-1,2-Dichloroethene	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
cis-1,3-Dichloropropene	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8
Cyclohexane	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
Dibromochloromethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13
Ethyl acetate	790	97	120	61	62	130	59	35 J	750	78
Ethylbenzene	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	5.6 J	<6.5	<6.5
Freon 11	79	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	350	<8.4
Freon 113	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Freon 114	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Freon 12	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
Heptane	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
Hexachloro-1,3-butadiene	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
Hexane	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
Isopropyl alcohol	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7
m&p-xylene	13 J	8.7 J	8.2 J	<13	6.5 J	9.6 J	<13	6.9 J	16	5.2 J
Methyl Butyl Ketone	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
Methyl Ethyl Ketone	250	150	120	53	74	110	38	53	340	78
Methyl Isobutyl Ketone	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
Methyl tert-butyl ether	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
Methylene chloride	12	<5.2	<5.2	<5.2	<5.2	3.8 J	<5.2	<5.2	11	<5.2
o-Xylene	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
Propylene	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Styrene	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
Tetrachloroethene	<10	<10	12	<10	<10	<10	<10	<10	<10	<10
Tetrahydrofuran	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Toluene	54	37	37	15	43	57	16	29	100	31
trans-1,2-Dichloroethene	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
trans-1,3-Dichloropropene	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8
Trichloroethene	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
Vinyl acetate	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
Vinyl Bromide	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
Vinyl chloride	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8

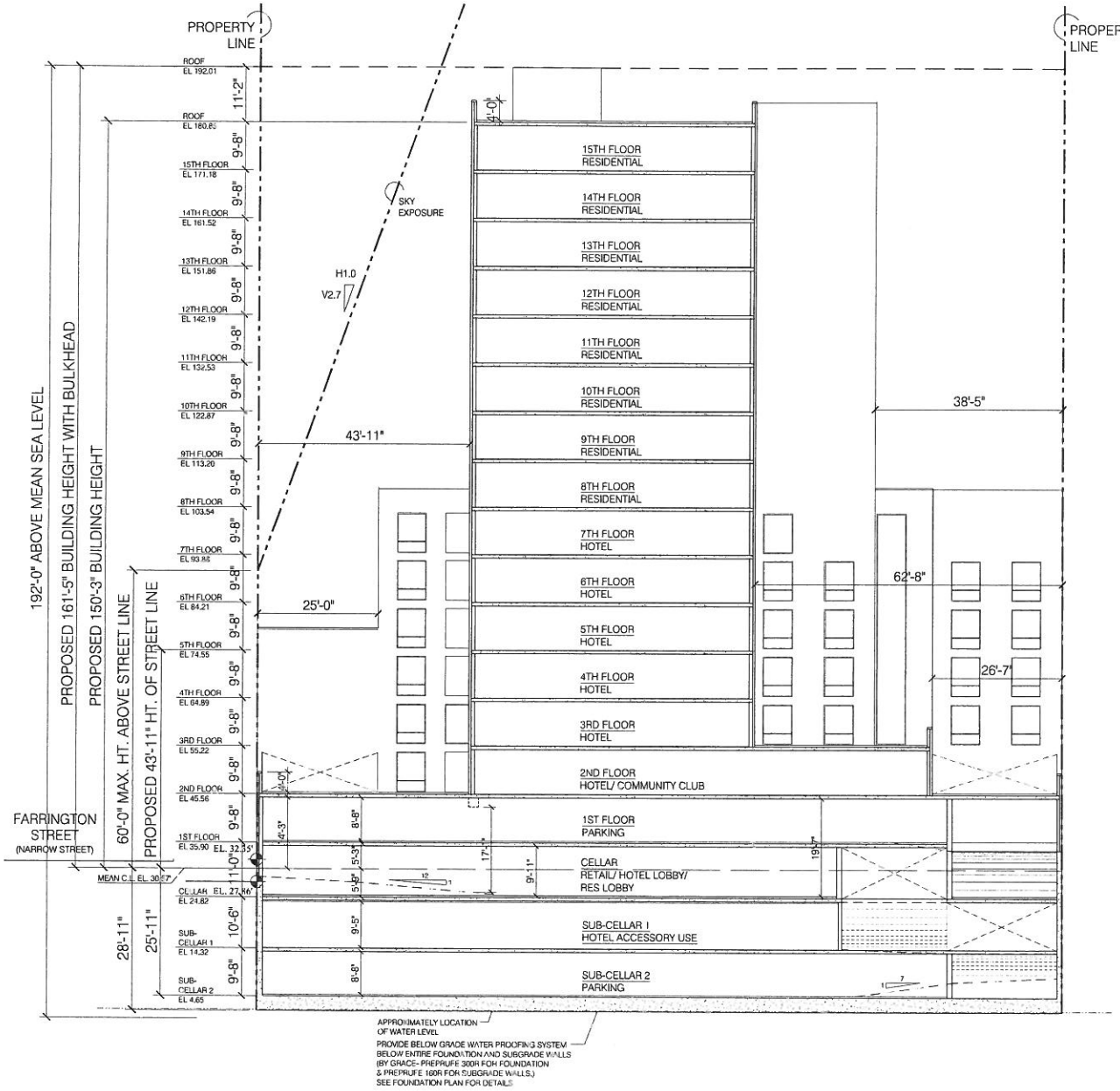
Notes:

J = Analyte detected at or below RL but above the MDL.

E = Analyet detected above the quantation range.

APPENDIX 1

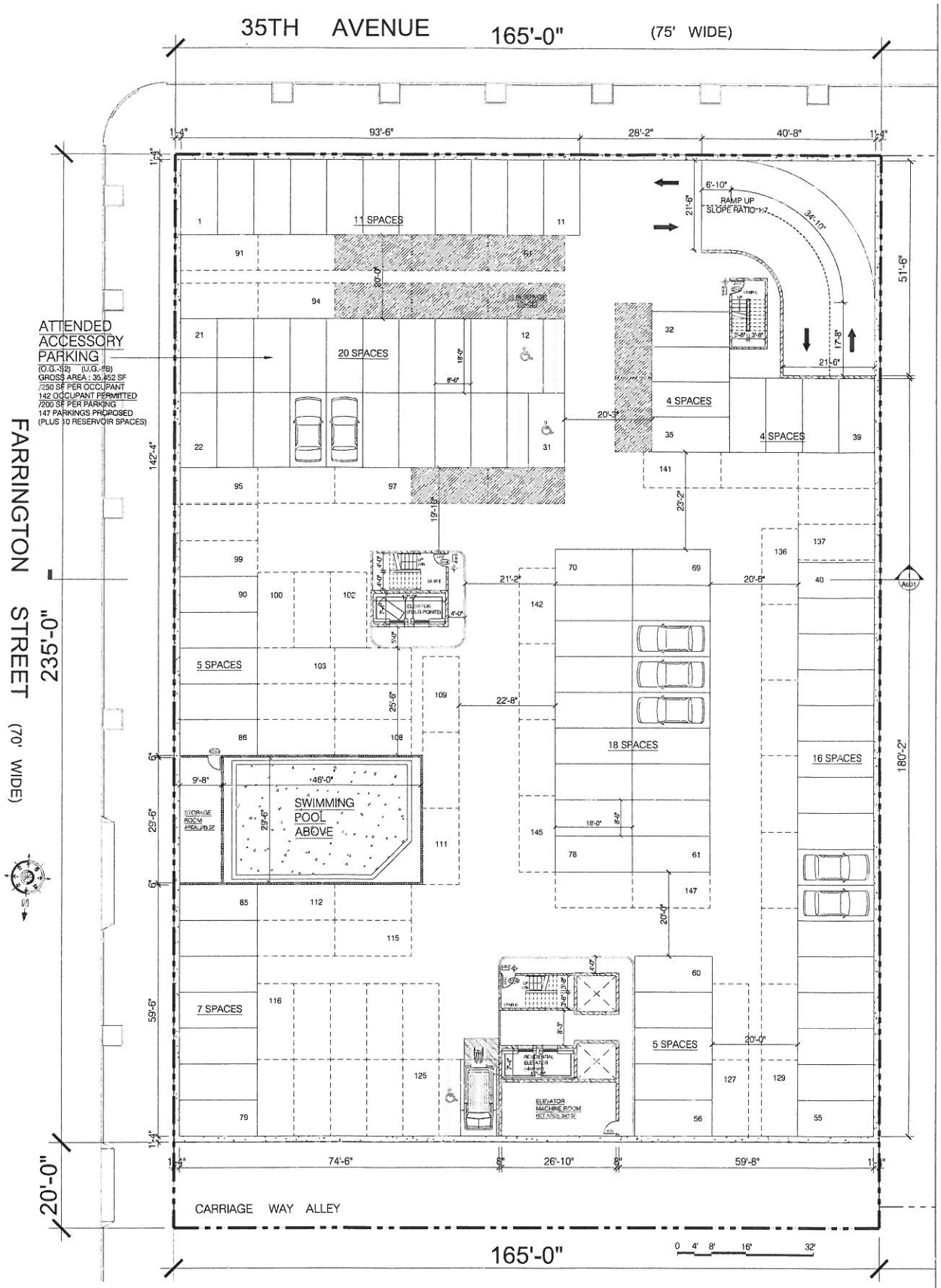
PROPOSED DEVELOPMENT PLANS



MEAN CURB LEVEL CALCULATION

- MEAN CURB LEVEL AT FARRINGTON ST.
  31.84 + 27.02 / 2 = 29.43
- MEAN CURB LEVEL AT 35TH AVENUE
  32.53 + 31.85 / 2 = 32.19

$$\frac{[A+B/2 \times a] + [B+C/2 \times b]}{a + b} = \frac{[29.43 \times 235] + [32.19 \times 165]}{235 + 165} = \frac{6{,}916.05 + 5{,}311.35}{400} = 30.57'$$



EGRESS LOAD	
USE	TOTAL OCCUPANT PROPOSED
PARKING GARAGE	140

EGRESS STAIRS TABLE		
STAIR	ACTUAL OCCUPANT PERMITTED	OCCUPANT PROPOSED
B	44"/0.3 = 147	71
E	44"/0.3 = 147	71
TOTAL	294	142 < 294

NOTE: THIS IS A SCHEMATIC DESIGN & SHALL SUBJECT TO REVIEW & INTERPRETATION BY NYC DEPT. OF BLDGS ON ZONING AND BUILDING CODES.

PROJECT:
35th AVE./FARRINGTON ST.
HOTEL DEVELOPMENT
35TH AVE./ FARRINGTON ST. FLUSHING
DRAWING TITLE:
SUB-CELLAR 2 (PARKING)
SCALE: 3/32" = 1'-0"

M.E.P. ENGINEER:
WOLOSKI ASSOCIATES
Tel: (908) 756-0659 Fax: (908) 756-0659

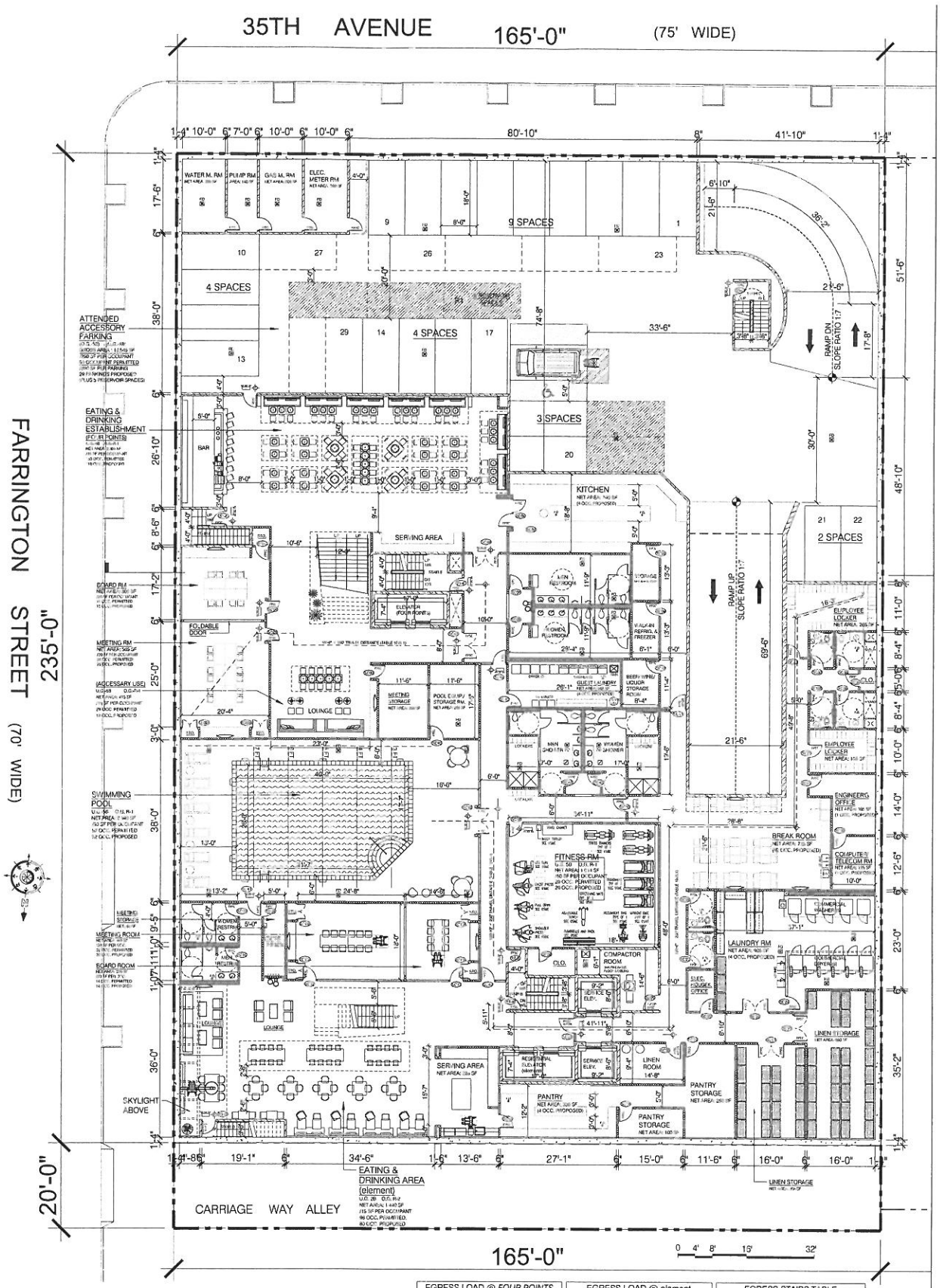
STRUCTURAL ENGINEER:
WAHLENG NG, P.E.
Tel: (917) 518-3236 Fax: (718) 854-0016

SEAL & SIGNATURE:

RAYMOND CHAN ARCHITECT
ARCHITECTS • PLANNERS
138-40 39TH AVENUE
FLUSHING, NEW YORK 11354
Tel. (718) 445-2345 Fax. (718) 359-8809
E-MAIL: raymondchanarchitect@aol.com
WEB: www.raymondchanarchitect.com

DATE: 12/07/2013 DWG. No.: A-101.00
PROJECT No.: 31-01
PROJECT MANAGER: CA
CADD FILE NO.: 35TH-AVENUE (31-01)
N.Y.C. D.O.B. NO. : 09-05-27

No.	DATE	DESCRIPTION



EGRESS LOAD @ FOUR POINTS	
USE	TOTAL OCCUPANT PROPOSED
EATING & DRINKING; DINING & LOUNGE	153
MEETING ROOM	40
LOUNGE	28
FITNESS CENTER	10
POOL	26
GUEST LAUNDRY	2
HOTEL LAUNDRY	2
BREAK ROOM	21
ENGINEERING/ COMPUTER OFFICE	1
KITCHEN	4
PARKING GARAGE	50
TOTAL	337

EGRESS LOAD @ element	
USE	TOTAL OCCUPANT PROPOSED
EATING & DRINKING; DINING & LOUNGE	96
MEETING ROOM	36
FITNESS CENTER	10
POOL	26
GUEST LAUNDRY	2
HOTEL LAUNDRY	2
BREAK ROOM	21
ENGINEERING/ COMPUTER OFFICE	1
PANTRY ROOM	4
TOTAL	198

EGRESS STAIRS TABLE		
STAIR	ACTUAL OCCUPANT PERMITTED	OCCUPANT PROPOSED
B	44"0.3= 147	130
C	44"0.3= 147	25
D	44"0.3= 147	68
E	48"0.3= 160	156
F	48"0.3= 160	156
TOTAL	748	535

No.	DATE	DESCRIPTION

NOTE: THIS IS A SCHEMATIC DESIGN & INTERPRETATION BY NYC DEPT. OF BLDGS ON ZONING AND BUILDING CODES.

PROJECT:
35th AVE./FARRINGTON ST.
HOTEL DEVELOPMENT
35TH AVE. / FARRINGTON ST. FLUSHING

DRAWING TITLE:
SUB-CELLAR 1
SCALE: 3/32" = 1'-0"

M.E.P. ENGINEER:
VICTOR CERFEDES
Tel: (646) 789-0859 Fax: (646) 789-0859

STRUCTURAL ENGINEER:
WINCELSON & CHEUNG
Tel: (917) 516-3238 Fax: (718) 654-0016

■ SEAL & SIGNATURE:

RAYMOND CHAN ARCHITECT PC
ARCHITECTS • PLANNERS
135-40 35TH AVENUE
FLUSHING, NY 11354
Tel: (718) 445-2345
Fax: (718) 939-8809
Email: info@raymondchanarchitect.com
Website: www.raymondchanarchitect.com

DATE: 12/07/13 DWG. NO.:
PROJECT No.: 2005
PROJECT MANAGER: RCA
DRAWN BY: RCA
CADD FILE: 35th AVENUE (LINK)

A-102.00
10-OF-27

N.Y.C. D.O.B. NO. :

APPENDIX 2

PHASE I REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR THE PROPERTY LOCATED AT

134-37 35th AVENUE

FLUSHING, NEW YORK

PREPARED FOR

FARRINGTON REALTY, LLC

PREPARED BY

FPM group™

909 MARCONI AVENUE
RONKONKOMA, NEW YORK 11779

NOVEMBER 2013

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Conducted on

Address: 134-37 35th Avenue
Flushing, New York 11354

FPM File No: 1135g-13-01

Prepared for

Client Name: Farrington Realty, LLC

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in ξ312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

The qualifications of the undersigned Environmental Professional and environmental staff contributing to this report are included in Appendix E.

Stephanie O. Davis
Environmental Professional

Signature

Prepared by

FPM Group
909 Marconi Avenue
Ronkonkoma, NY 11779
(Tel) 631-737-6200
(Fax) 631-737-2410

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SECTION 1.0
INTRODUCTION

1.1 Purpose of the Phase I Environmental Site Assessment

The primary purpose of this Phase I Environmental Site Assessment (ESA) is to identify recognized environmental conditions at the subject property. Recognized environmental conditions (RECs) refers to the presence or likely presence of hazardous substances or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. RECs are not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA has been prepared for compliance with the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05 for Phase I ESAs (2005). A Phase I ESA prepared following this Standard is intended to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) liability by having performed all appropriate inquiry into previous ownership and uses of the property consistent with good commercial or customary practice. A Phase I ESA also assesses business environmental risk in association with the current or planned commercial use of the property. Additional objectives of the Phase I ESA include the identification of environmental conditions that are in noncompliance with applicable local, state, or federal laws or regulations and recognition of property conditions or practices that may lead to future environmental liability.

1.2 Scope of Services

FPM Group (FPM) was retained by Farrington Realty, LLC (User) to perform a Phase I ESA for the property located at 134-37 35th Avenue, Flushing, New York (subject property). The scope of services includes those items detailed in the ASTM Standard Practice E 1527-05 and focused on the property history with regard to past land use and development, underground storage tanks (USTs), aboveground storage tanks (ASTs), chemical or hazardous substances spills, storage, use, or generation, and any other pertinent information that would indicate a potential source and/or pathway of contamination at the property. Included in this report, where applicable, is information obtained from interviews with knowledgeable individuals regarding the current and/or past usage of the subject property.

Significant assumptions, if any, are described in the applicable portions of the following sections of this report. Limitations and exceptions, if any, are described in Section 5.2 of this report. Special terms and conditions, if any, affecting the scope of services are described in the applicable portions of the following sections of this report.

1.3 Reliance

FPM understands that the User may rely on this report to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. The User may also rely on this report to assess business environmental risk in association with the current or planned commercial use of the property, to identify environmental conditions that are in noncompliance with applicable local, state, or federal laws or regulations, and/or

to recognize property conditions or practices that may lead to future environmental liability. Reliance on this report by a different User than the User for which this report was prepared is subject to satisfying the User's Responsibilities in Section 6 of ASTM Standard Practice E 1527-05.

It should be noted that portions of this report were prepared using information provided by others. The environmental professional is not required to independently verify the provided information but may rely on this information unless he/she has actual knowledge that certain information is incorrect, or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I ESA or otherwise actually known to the environmental professional.

SECTION 2.0
SUBJECT PROPERTY DESCRIPTION

2.1 Property Location and Legal Description

The subject property is identified as 134-37 35th Avenue, Flushing, New York, and is located on the northwest corner of the intersection of 35th Avenue and Farrington Street in the borough of Queens. The subject property is referenced by the following Queens County Tax Map number: Block 4949, Lot 31. The subject property comprises approximately 39,000 square feet and is developed with an approximately 38,000-square-foot one-story commercial building. The subject property also contains an asphalt-paved area.

2.2 Property Environmental Setting

Groundwater in the vicinity of the property is derived from infiltration of precipitation through the ground surface and surficial deposits to the water table. The original surficial deposits likely consisted primarily of sand and gravel; however, the ground surface has been significantly modified and is primarily covered with impervious materials. Precipitation that may infiltrate the ground surface will enter the groundwater system. The water table is the upper limit of the groundwater reservoir and is bounded beneath by impervious bedrock which is located approximately 150 feet below mean sea level, or MSL (USGS, 1990).

The regional groundwater flow direction in the property area was obtained from the U.S. Geological Survey publication Water Table of the Upper Glacial Aquifer on Western Long Island, New York in March-April 2000. According to the map, the water table elevation is between 5 and 10 feet above MSL. Based on the map and the slope of the local topography, the regional groundwater flow direction is most likely to the northwest, towards Flushing Bay. During previous onsite investigations, which are discussed in Section 3.3, the site-specific groundwater flow direction was determined to be to the north, and the water table elevation was six feet above MSL.

The surface topography of the subject property and vicinity was obtained from the U.S. Geological Survey, Flushing, N.Y. Quadrangle (1966, photorevised 1979). The topographic elevation of the subject property is approximately 30 feet above MSL. Therefore, the water table is present at a depth of approximately 20 to 25 feet below grade, which is consistent with the onsite monitoring well data.

Flushing Bay is located approximately one-quarter-mile northwest of the subject property. No other natural surface water bodies were noted within one mile of the subject property.

2.3 Property Description and Usage

The subject property building is currently vacant. The subject property was most recently used as commercial space for restaurants and stores, and as a parking garage.

2.4 Adjoining Property Usage

The subject property is surrounded by parcels utilized for residential and commercial purposes. BLU KTV Lounge and Bar, Meiling Nail Supply Inc., Debasaki restaurant, NYDC Beauty Supply, and a yoga studio adjoin the subject property to the east (across Farrington Street). Hidden Beauty Inc. adjoins the subject property to the southeast (across 35th Avenue and Farrington Street). The Flushing International Hotel, New York International Table Tennis Center, Joy Foods restaurant, and residential

buildings adjoin the subject property to the south (across 35th Avenue). A plumbing supply business adjoins the subject property to the west. An alley used for parking adjoins the subject property to the north.

SECTION 3.0
RECORDS REVIEW

Records reviews were conducted during this portion of the study to evaluate the property history, potential environmental concerns on the property, and potential environmental concerns in proximity to the property. Records were obtained from several sources, as more fully described below.

3.1 Historical Information

➢ Historic Reference Documents

The objective of this portion of the study is to reconstruct the property history as it pertains to land use and development. For this purpose, information was sought from the following sources and is summarized below:

- Sanborn Fire Insurance maps
- Historic aerial photographs

Historic information concerning the property was also obtained from a property representative, User-provided documents, and other sources. This information is summarized in later sections of this report.

Sanborn Fire Insurance Maps of the subject property vicinity were provided by Environmental Data Resources (EDR) for the years 1886, 1892, 1897, 1903, 1916, 1941, 1943, 1951, 1963, 1981, 1986-1988, 1990-1996, 1999, and 2001-2006. Copies of the maps are included in Appendix A. Information obtained from the fire insurance map review is as follows:

1886: The subject property and the adjoining properties to the north, east, and west are not depicted. One of the adjoining properties to the south (134-24 35th Avenue) is developed with a two-story dwelling. The adjoining property to the southeast (35-05 Farrington Street) is developed with a two-story dwelling. The remaining adjoining properties to the south are undeveloped and vacant.

1892: The subject property is developed with a two-story building with a basement on the southern portion of the property. The building is labeled Kyle Institute. The northern portion of the property is developed with a three-story dwelling, a one-story building, and a two-story stable. The adjoining property to the west is developed with a three-story dwelling and a two-story stable. The adjoining properties to the east are developed with a two-story dwelling (33-59 Farrington Street), a three-story dwelling (33-61 Farrington Street), and a two-story dwelling with a basement (135-01 35th Avenue). The adjoining properties to the south appear unchanged and the adjoining property to the north is undeveloped and vacant.

1897: The east side of the two-story building on the southern portion of the subject property contains an addition, and this portion of the property also contains three additional one-story buildings. The northern portion of the subject property contains two additional one-story buildings. The adjoining property to the east at 33-61 Farrington Street contains a one-story lumber shed. The remaining adjoining properties to the east, south, west, and north appear unchanged.

1903: The two-story building on the southern portion of the subject property has been expanded, and the northern portion of the subject property is now part of the Kyle Institute. The northern portion of the subject property also contains four additional one-story buildings. The stable on the adjoining property to the west has been removed and this property is labeled Bishop's Court. The adjoining property to the south (134-38 35th Avenue) is developed with a two-story dwelling. The dwelling on the adjoining property to the east at 135-01 35th Avenue contains an addition on the east side. The lumber shed on the adjoining property to the east at 33-61 Farrington Street has been removed. The remaining adjoining properties to the east, south, and north appear unchanged.

1916: The two-story building on the southern portion of the subject property is vacant. This portion of the property contains a one-story building labeled Democratic Club House, an additional one-story building, and a passageway to the northern portion of the subject property. The dwelling on the northern portion of the subject property has been expanded and the stable has been converted to a two-story building. The adjoining property to the north is developed with two one-story buildings. The adjoining property to the south (134-32 35th Avenue) is developed with two two-story dwellings and a one-story garage. The adjoining property to the south at 134-24 35th Avenue contains a one-story shed. The adjoining property to the southeast contains a one-story garage. The adjoining properties to the east (33-55 and 33-65 Farrington Street) are each developed with a two-story dwelling. The adjoining property to the east at 33-61 Farrington Street contains a one-story garage. The adjoining property to the east at 33-59 Farrington Street contains a one-story coop building. The remaining adjoining properties to the east, south, and west appear unchanged.

1941: The subject property has been redeveloped with a one-story building in its current configuration and labeled North Shore Bus Co. The buildings on the adjoining property to the north have been removed and this property is undeveloped and vacant. The adjoining property to the west has been redeveloped with a one-story filling station building containing six gas tanks. The shed on the adjoining property to the south at 134-24 35th Avenue has been redeveloped into a garage. The adjoining property to the south at 134-32 35th Avenue contains a second garage. The adjoining property to the south at 134-38 35th Avenue has been redeveloped with a one-story building labeled as a machine shop. The adjoining property to the southeast has been redeveloped with a one-story garage building containing three gas tanks. The adjoining property to the east at 135-01 35th Avenue has been redeveloped with a one-story auto repair building containing three gas tanks. The coop building on the adjoining property to the east at 33-59 Farrington Street has been redeveloped into a garage. The remaining adjoining properties to the east appear unchanged.

1943: The subject property contains eight gas tanks to the north of the building. One of the gas tanks is no longer depicted on the adjoining property to the west. The adjoining property to the east at 33-65 Farrington Street contains a one-story shed. The adjoining property to the east at 135-01 35th Avenue is now labeled Truck Storage and Repair, Auto Repair, and a store. Only two gas tanks are now depicted for this property. The remaining adjoining properties to the east, south, and north appear unchanged.

1951: The subject property building is now labeled Department of Sanitation Garage. The adjoining property to the south at 134-38 35th Avenue is now labeled auto repair and body repair. No significant changes are noted for the remaining adjoining properties to the south, east, north, and west.

1963: No significant changes are noted for the subject property or adjoining properties to the north, west, south, and east. The adjoining property to the southeast is labeled a filling station and the three gas tanks are no longer depicted. The garage on the adjoining property to the east at 33-59 Farrington Street has been removed.

1981: No significant changes are noted for the subject property or adjoining properties to the north and south. The adjoining property to west has been redeveloped with a one-story auto repair building and parking, and the gas tanks are no longer depicted. The adjoining property to the southeast is no longer labeled a filling station. The adjoining property to the east at 135-01 35th Avenue is now labeled auto body repair, auto repair, and a store. Only one gas tank is now depicted on this property. The dwelling on the adjoining property to the east at 33-65 Farrington Street has been removed. The adjoining property to the east at 33-61 Farrington Street is labeled contactors storage. The remaining adjoining properties to the east appear unchanged.

1986: No significant changes are noted for the subject property or the adjoining properties to the north, west, and south. The adjoining properties to the east at 33-61 and 33-65 Farrington Street each contain a one-story commercial building. The dwelling on the 33-61 Farrington Street property is now labeled as a garage. The remaining adjoining properties to the east appear unchanged.

1987: No significant changes are noted for the subject property or the adjoining properties to the north, west, southeast, and east. The dwellings and garages on the adjoining properties to the south at 134-24 and 134-32 35th Avenue have been removed and these properties are undeveloped and vacant. The adjoining property to the south at 134-38 35th Avenue appears unchanged.

1988: No significant changes are noted for the subject property or the adjoining properties to the north, west, southeast, and east. The adjoining property to the south at 134-32 35th Avenue contains a three-story commercial building. The remaining adjoining properties to the south appear unchanged.

1990: No significant changes are noted for the subject property or the adjoining properties to the north, south, and east. An addition has been constructed on the east side of the building on the adjoining property to the west. The adjoining property to the southeast has been redeveloped with a two-story commercial building.

1991-1996: No significant changes are noted for the subject property or the adjoining properties.

1999: No significant changes are noted for the subject property or the adjoining properties to the north, west, southeast, and east. The adjoining property to the south at 134-38 35th Avenue has been redeveloped with a two-story office building with a basement. The remaining adjoining properties to the south appear unchanged.

2001: No significant changes are noted for the subject property or the adjoining properties to the north and southeast. The adjoining property to the west has been expanded and the building is labeled commercial. The adjoining property to the south at 134-24 35th Avenue has been developed with a four-story apartment building. The adjoining property to the south at 134-32 35th Avenue has been redeveloped with a four-story hotel and a three-story commercial building. The garage building on the adjoining property to the east at 33-61 Farrington Street is now labeled residential. The remaining adjoining properties to the east and south appear unchanged.

2002: No significant changes are noted for the subject property or the adjoining properties to the north, west, southeast, and east. The hotel on the adjoining property to the south at 134-32 35th Avenue is now eight stories and the commercial building is four stories. The remaining adjoining properties to the south appear unchanged.

2003: No significant changes are noted for the subject property or the adjoining properties.

2004: No significant changes are noted for the subject property or the adjoining properties to the north, west, southeast, and east. The office building on the adjoining property to the south at 134-38 35th Avenue is now five-stories. The remaining adjoining properties to the south appear unchanged.

2005: No significant changes are noted for the subject property or the adjoining properties to the north, west, and south. The adjoining property to the east at 33-59 Farrington Street has been redeveloped with a two-story warehouse building. The remaining adjoining properties to the east appear unchanged.

2006: No significant changes are noted for the subject property or the adjoining properties.

A June 2010 aerial photograph of the subject property vicinity was obtained through the Google Earth website; a copy is included in Appendix A. The subject property and adjoining properties generally appear in their current configurations.

In summary, the subject property was developed prior to 1892 with a two-story building used by the Kyle Institute on the southern portion of the property. The northern portion of the property contained a three-story dwelling, one-story building, and a two-story stable. Between 1892 and 1903 the two-story building was expanded, several one-story buildings were added, and the northern portion of the subject property became part of the Kyle Institute. Between 1903 and 1916 the two-story building was vacated, the dwelling was expanded, the stable was converted to a building, and a one-story Democratic Club House building was added. Between 1916 and 1941 the property was redeveloped with a one-story building in its current configuration and used by the North Shore Bus Co. In 1943 eight gas tanks were present to the north of the building. Between 1943 and 1951 the building became a Department of Sanitation garage. The Department of Sanitation reportedly vacated the property in 1996 and it was converted to commercial use. The adjoining properties have been developed and redeveloped for commercial uses, including filling stations and automotive repair shops, and residential purposes since 1886.

➢ Historic Agency Records

Historic records for the subject property were sought from several local agencies during this study. Factors such as chemical spills or storage, USTs, and other information that would indicate a potential source of contamination at or in the vicinity of the property were investigated using these records. Information requests were made by FPM during this Phase I ESA from the following sources:

- New York City Department of Finance, Queens County Office of the City Register
- City of New York, Department of City Planning website
- New York City Department of Buildings (DOB) website

- City of New York Fire Department (FDNY)
- Environmental Data Resources Inc. (EDR)
- Google Earth website
- New York City Department of Design and Construction (NYCDDC)
- New York City Department of Environmental Protection (NYCDEP)
- New York City Department of Health (NYCDOH)
- New York State Department of Environmental Conservation (NYSDEC)
- United States Environmental Protection Agency (USEPA)

Information pertaining to property ownership was obtained from the New York City Department of Finance, Queens County Office of the City Register. A summary of the property ownership information is included in Table 3.1.1. The current owner of the subject property is Farrington Realty, LLC, who has owned the property since June 2003. Previously, the subject property was owned by various private and commercial entities. No industrial ownership is apparent.

Information obtained from the City of New York, Department of City Planning website indicates that the subject property is zoned for residential and retail commercial use as R6 with a C2-2 overlay. The property is presently e-designated as E-246 on the current zoning map (copy in Appendix A) for hazardous materials, air, and noise.

The New York City DOB website was accessed on November 14, 2013 to review complaints, violations, Certificates of Occupancy (COs), and permits regarding the subject property. No files of significant environmental concern were noted. CO number 400727763F was issued on December 18, 2006 for an altered one-story building containing five eating and drinking establishments, offices, a boiler room, and parking for 67 cars. Several resolved complaints have been filed between May 14, 1997 and June 5, 2012 regarding work being performed without a permit, building maintenance, and occupancy by businesses not permitted by the CO. Several violations, including six that remain open, occurred between June 28, 1993 and September 5, 2012. The open violations are due to failure to file a certificate of correction on August 1, 2012, work without a permit on May 17, 2012 and May 19, 2012, failure to maintain the roof on May 9, 2012 and July 21, 2012, and occupancy by a business not allowed by the CO on May 17, 2012. The closed violations were due to work without a permit, occupancy by a business not allowed by the CO, not maintaining a current CO, failure to file the correct forms, failure to post the required contractor's sign, the emergency exits being blocked, and the emergency lights being inoperative. A permit was issued on November 6, 2013 for full demolition of the subject property building. New building permits were issued in 1900, 1906, 1907, 1910, 1921, 1924, and 1930. Alteration permits were issued in 1930, 1931, 1933, 1934, and 1997. Copies of the information obtained during review of the online DOB records are included in Appendix A.

The FDNY was contacted on October 31, 2013 and information pertaining to fuel oil tanks, tank removals, tank leaks and violations was requested. A response had not yet been received at the time this report was prepared. If any files are made available, they will be reviewed and any pertinent information will be forwarded. A copy of the FDNY request is included in Appendix A.

TABLE 3.1.1
OWNERSHIP HISTORY
134-37 35th AVENUE, FLUSHING, NEW YORK

BLOCK 4949, LOT 31

Owner	Date
Farrington Realty, LLC	6/27/2003 to Present
Smarkel, LLC	8/7/2002 to 6/27/2003
Sidney N. Ginsberg	5/26/1998 to 8/7/2002
Sidney H. and Ruth B. Ginsberg	4/1/1965 to 5/26/1998
Twinboro Corporation	9/5/1930 to 4/1/1965
Flushingside Realty and Construction Co.	9/7/1928 to 9/5/1930
Frederick G. and Mary W. White	12/30/1924 to 9/7/1928
Mary A. Gordon	Prior to 12/30/1924

Source: Queens County Office of the City Register

The NYCDDC was contacted by phone on November 6, 2013 to request information regarding spills that have occurred onsite. Several reports, which are discussed in Section 3.3, were received from the NYCDDC on November 6, 2013 and November 18, 2013.

The NYCDEP was contacted on October 31, 2013 and information regarding the use, storage and disposal of hazardous waste, USTs, ASTs, environmental inspections, reviews, violations and remediation was requested. A response had not yet been received at the time this report was prepared. If any files are made available, they will be reviewed and any pertinent information will be forwarded. A copy of the NYCDEP request is included in Appendix A.

The NYCDOH was contacted on October 31, 2013 and information regarding chemical or hazardous material storage and/or disposal, USTs, ASTs, sampling, inspections, violations, remediation and industrial files was requested. A response was received on November 12, 2013, 2013 indicating that the Department is in receipt of our request. If any files are made available, they will be reviewed and any pertinent information will be forwarded. Copies of the NYCDOH request and response are included in Appendix A.

The NYSDEC was contacted on October 31, 2013 and November 7, 2013 and information regarding hazardous waste substance regulation, sampling, remediation, violations, waste disposal, discharge monitoring, non-compliance, inspections, monitoring, environmental permits and engineering was requested. A response was received on November 14, 2013 indicating that the Department does maintain such files. When the files are made available, they will be reviewed and any pertinent

information will be forwarded. Copies of the NYSDEC requests and response are included in Appendix A.

The USEPA Region II database was accessed on October 31, 2013 (www.epa.gov/region02/) and the subject property, identified as NYC Department of Sanitation Garage at 134-25 35th Avenue Queens 11A Site (EPA ID number NYD982725509), did appear on the Resource Conservation and Recovery Act (RCRA) database as an inactive generator of hazardous waste. The subject property did not appear on the Comprehensive Environmental Resource Conservation and Liability Information System (CERCLIS) database, or as a No Further Remedial Action Planned (NFRAP) site.

3.2 Federal and State Environmental Records Sources

Standard federal and state databases were accessed by EDR to identify areas of potential concern in the vicinity of the subject property. The search distances were chosen in accordance with the ASTM Standard for Phase I ESAs (ASTM, E 1527-05, Section 8.2.1) as summarized in Table 3.2.1. Table 3.2.1 also includes the federal and state database information summary, the proximity of the properties of environmental concern to the subject property, and the hydrologic position of the properties of environmental concern with respect to the subject property. It should be noted that the locations of the properties of environmental concern were evaluated with respect to the regional groundwater flow direction (northwest). Properties of environmental concern located downgradient and at a distance from the subject property were presumed not to present a concern because of their hydraulic location. Pertinent portions of the state and federal database search results are included in Appendix B.

The subject property, listed under different names, was identified as a RCRA No Longer Regulated (NLR) site, Leaking Underground Storage Tank (LUST) incident site, Petroleum Bulk Storage (PBS) site, and a NYSDEC spills site. The subject property, listed under the NYC Department of Sanitation (NYCDOS), was identified as a RCRA NLR site (EPA ID #NYD982725509). The site was last identified as a large-quantity generator of hazardous waste in 1996, and manifest records indicated that ignitable waste was generated onsite. No RCRA violations or enforcement actions were noted. NYCDOS was identified as a closed LUST incident site for a tank test failure on a 4,000-gallon diesel UST. NYSDEC spill number 95-00504 was assigned on April 12, 1995. The tank was removed and the spill was cleaned up and closed on May 18, 1995. The property, listed as NYCDOS, is identified as a NYSDEC spill site for two other spills, one closed and one active. Spill number 94-16972 was assigned on March 31, 1995 following the discovery of petroleum-contaminated soil during UST removal. The soil was removed and the spill was closed on May 18, 1995. Active spill number 94-16190 was assigned on March 15, 1995 following the release of #2 fuel oil from the fill line of a 2,000-gallon UST. A soil vapor extraction (SVE) system was installed to address the soil contamination. The system was shut down in 2003 after soil sampling showed that the contamination was reduced. Petroleum-related volatile organic compounds (VOCs) remain in the property groundwater, and a chlorinated VOC (CVOC) plume, consisting primarily of tetrachloroethene (PCE) was identified onsite. The source of the CVOC plume has not been found. This spill is further discussed in Section 3.3. The subject property, identified as 134-37 35th Avenue, was identified as a closed LUST incident site and a PBS site. NYSDEC spill number 95-00509 was assigned on April 12, 1995 following a diesel tank test failure. No further information was given and the spill was closed on May 18, 1995. The property was listed with eight ASTs that were removed in October 1996, including a 275-gallon kerosene tank, three 275-gallon tanks, three 115-gallon tanks, and a 550-gallon tank. The property also was reported with eight USTs, including a 4,000-gallon diesel tank closed-in-place in August 1959, two 550-gallon diesel tanks closed-in-place in April 1995, two 550-gallon gasoline tanks closed-in-place in October 1996, two 550-gallon tanks closed-in-place in October 1996, and a 2,000-gallon #2 fuel oil tank removed in April 2000.

TABLE 3.2.1
FEDERAL AND STATE DATABASE INFORMATION SUMMARY
134-37 35th AVENUE, FLUSHING, NEW YORK

Database	Search Distance (Miles)	Site	Proximity to Subject Property
FEDERAL			
NPL	1.0	None	-
CERCLIS/NFRAP	0.5	Spectrum Maintenance Corp. 39-08 Janet Place	0.44 miles SSW Crossgradient
RCRIS-TSD	0.5	None	-
RCRIS Generator/ Transporter	Site and Adjoining	None	-
RCRIS NonGen	Site and Adjoining	NYC Department of Sanitation 134-25 35th Avenue	Site
		Autorama Bodyworks Inc. 134-03 35th Avenue	Adjoining W
RCRA-CORRACTS	1.0	None	-
ERNS	Site	None	-
STATE			
Brownfield	0.5	None	-
HWS	1.0	None	-
HSS	1.0	None	-
LUST (adjoining or upgradient and active only)	0.5	134-37 35th Avenue	Site
		NYC Department of Sanitation 134-25 35th Avenue	Site
		Latimer Gardens-NYCHA 34-45 Linden Place	0.07 miles NE Crossgradient
		Willets Point Asphalt 35-32 College Point Boulevard	0.24 miles SW Crossgradient
		Shell 141-54 Northern Boulevard	0.43 miles E Upgradient

TABLE 3.2.1 (CONTINUED)
FEDERAL AND STATE DATABASE INFORMATION SUMMARY
134-37 35th AVENUE, FLUSHING, NEW YORK

Database	Search Distance (Miles)	Site	Proximity to Subject Property
PBS	Site and Adjoining	134-37 35th Avenue	Site
		United Plumbing 134-03 35th Avenue	Adjoining W
SWL	0.5	Beechhurst Shores 139-81 35th Avenue	0.26 miles E Crossgradient
SPILLS (adjoining or upgradient and active only)	0.25	NYC Department of Sanitation 134-25 35th Avenue	Site
		Gas Station 135-19 35th Avenue	0.02 miles ESE Upgradient
		Repair Shop 34-48 Linden Place	0.06 miles NE Crossgradient
		Mobil Oil 137-17 Northern Boulevard	0.11 miles SE Upgradient

Source: EDR

Spectrum Maintenance Corp., located approximately 0.44 miles south-southwest (crossgradient) of the subject property at 39-08 Janet Place, was identified as a CERCLIS site. No further information is given. Based on the available information, this site does not pose an environmental risk to the subject property.

The site adjoining the subject property to the west at 134-03 35th Avenue was identified as a RCRA NLR site and a PBS site. Autorama Bodyworks Inc. was last listed as a small-quantity generator of hazardous waste in 1985, and manifest records indicate that ignitable waste and spent non-halogenated solvents were generated onsite. No RCRA violations or enforcement actions were noted. United Plumbing was identified on the PBS database for four USTs, including three 4,000-gallon gasoline tanks and a 1,000-gallon #2 fuel oil tank, which were all removed in March 2000. Based on the available information, this site does not pose an environmental risk to the subject property.

Beechhurst Shores, located approximately 0.26 miles east (crossgradient) of the subject property at 139-81 35th Avenue, was identified as an inactive solid waste landfill for construction and demolition debris. Based on the available information, this site does not pose an environmental risk to the subject property.

Three active LUST incident sites were located within the ASTM search radius. Latimer Gardens-NYCHA, located approximately 0.07 miles northeast (crossgradient) of the subject property at 34-45 Linden Place, was assigned NYSDEC spill number 96-06932 on August 30, 1996 following a tank test failure on a 4,000-gallon #4 fuel oil tank. Cleanup is in progress. Willets Point Asphalt, located approximately 0.24 miles southwest (crossgradient) of the subject property at 35-32 College Point Boulevard, was assigned NYSDEC spill numbers 87-04514 on August 31, 1987 and 87-05123 on September 17, 1987 for #2 fuel oil spills from USTs. Remediation of the site is ongoing. A Shell gas

station located approximately 0.43 miles east (upgradient) of the subject property at 141-54 Northern Boulevard was assigned NYSDEC spill number 97-02798 on June 4, 1997 following a gasoline spill. Remediation of the site is ongoing. Based on the available information, these sites do not pose an environmental risk to the subject property.

Three active NYSDEC spill sites were located within the ASTM search radius. A gas station, located approximately 0.02 miles east-southeast (upgradient) of the subject property at 135-19 35th Avenue, was assigned spill number 02-05487 on August 26, 2002 due to a historic gasoline spill. Remediation of the site is ongoing. A repair shop, located approximately 0.06 miles northeast (crossgradient) of the subject property at 34-48 Linden Place, was assigned spill number 96-08529 on October 9, 1996 following the discovery of petroleum soil contamination in a soil boring. No further information was given. Mobil Oil, located approximately 0.11 miles southeast (upgradient) of the subject property at 137-17 Northern Boulevard, was assigned spill number 06-13762 on March 23, 2007 following a gasoline leak from a dispenser. Remediation of the site is ongoing. Based on the available information, although the two upgradient sites have the potential to affect the quality of the subject property groundwater, remedial efforts at these sites are anticipated to mitigate potential groundwater impacts.

There were no other sites identified within the ASTM-designated search radii that appear to present an environmental concern for the subject property.

3.3 Previous Investigations

Several reports have been prepared for the subject property, referred to as the Queens East 11A site, concerning environmental conditions related to the previous operation of the subject property by the NYCDOS. The NYCDOS maintained several ASTs and USTs onsite, and four spills (spill numbers 94-16190 (active), 94-16972 (closed), 95-00504 (closed), and 95-00509 (closed)) have been assigned to the subject property due to tank-related petroleum spills. The remediation of the subject property is currently being conducted by the New York City Department of Design and Construction (NYCDDC) and overseen by the NYSDEC under the Spills program.

A Corrective Action Investigation (CAI) was conducted by Raritan Enviro Sciences, Inc. (RES) to investigate the onsite closed-in-place USTs and a dispenser. Five diesel USTs are located in the southwest corner of the building, referred to as UST area 1. Two gasoline USTs and two hoist (hydraulic lift) oil USTs are located to the north of the building, referred to as UST area 2. The CAI report has been requested from the NYCDDC.

An Investigation Summary and Remedial Plan (ISRP) report was prepared by RES on March 14, 1996 to document soil and groundwater conditions related to the USTs. The ISRP report has also been requested from the NYCDDC.

An ISRP Addendum, prepared by RES on December 11, 1997, was provided to FPM by the NYCDDC. RES conducted additional soil and groundwater sampling at the property and found soil and groundwater contaminated with petroleum-related VOCs around the two UST areas. CVOC impacts were not found in the soil, but a CVOC groundwater plume was found along the eastern (crossgradient) boundary of the property. The primary CVOC detected was PCE, together with its breakdown products. An SVE system was installed in October 2000 to mitigate the VOC soil contamination in the two UST areas of the property. The SVE system was shut down in October 2003 following a significant reduction in petroleum-related VOCs in site soils and was removed in 2012.

A Site Turn-Over Status Report and Site Annual Monitoring Report (STOSR/SAMR), prepared by LiRo Engineers, Inc. (LiRo) on June 3, 2011, was provided by the NYCDDC. The STOSR/SAMR report documented additional soil and groundwater sampling conducted onsite. Petroleum-related VOC impacts and CVOC impacts were not found in any onsite soils, with the exception of one soil boring near UST area 1. Isopropylbenzene and PCE were the only two VOCs noted to exceed NYSDEC Soil Cleanup Objectives (SCOs) in the soil boring. These detections were below the water table and likely resulted from contact by impacted groundwater. The groundwater data indicated that the petroleum-related VOC contamination is limited to two wells near the two UST areas, and the level of contamination appears to be very low. The CVOC plume remains present across the property, with the highest concentrations found along the eastern (crossgradient) and southern (upgradient) property boundaries.

The most recent Semi-Annual Monitoring Report, prepared by LiRo on March 13, 2013, indicates that LiRo injected hydrogen peroxide on April 26, 2012 into the groundwater to mitigate petroleum VOCs in groundwater at one location. The post-injection monitoring results did not show any improvement in groundwater conditions. The data tables and site plan from this report are included in Appendix D. The aboveground components of the SVE system were removed in March 2012.

Semi-annual groundwater monitoring is required by the NYSDEC at the subject property. We understand that the NYCDDC is obligated to conduct the groundwater monitoring and reporting.

A proposed plan for well management during demolition was presented to the NYSDEC and approval was requested. Recommendations were also made for the removal of any USTs and petroleum-contaminated soil that may be encountered during demolition.

3.4 User-Provided Information

The User did not provide any information concerning the purchase price or the appraised value of the subject property. Therefore, a comparison of the purchase price relative to the appraised value could not be made. The User did not provide any information concerning environmental liens at the subject property. FPM understands that this Phase I ESA is being performed by the User in association with a prospective redevelopment of the subject property.

SECTION 4.0
PROPERTY RECONNAISSANCE

FPM personnel inspected the subject property on November 5, 2013. A property representative accompanied FPM personnel during the reconnaissance and provided information regarding previous activities at the property. All of the property areas, with the exception of the southwest corner of the building interior, were accessible during the inspection. The southwest corner of the building interior could not be accessed because the roof had collapsed. A photolog documenting current property conditions is included in Appendix C.

The subject property comprises approximately 39,000 square feet and is developed with an approximately 38,000-sqaure-foot one-story commercial building. The property also contains an asphalt-paved area. A site plan depicting the current property features is shown in Figure 4.1.

Occupant/Operation:

The subject property building is currently vacant. The property was most recently occupied by the 7 Train Theater, a night club, a store, and a parking garage.

Prior Occupants/Use:

The subject property was initially developed for residential and commercial purposes prior to 1892. The southern portion of the subject property was occupied by the Kyle Institute from 1892 until at least 1903. The northern portion of the subject property contained a dwelling in 1892 until it was taken over by the Kyle Institute between 1892 and 1903. The Kyle Institute vacated the property between 1903 and 1916, and the property was used for residential purposes and as a Democratic Club House. Between 1916 and 1941 the subject property was redeveloped with the current commercial building in its current configuration and was occupied by North Shore Bus Co. Between 1943 and 1951 the building became a NYCDOS garage. The NYCDOS vacated the property in 1996. Since 1996 the building occupants have included the 7 Train Theater, restaurants, stores, bars, and a parking garage.

Hazardous Substance/Petroleum Products Inventory:

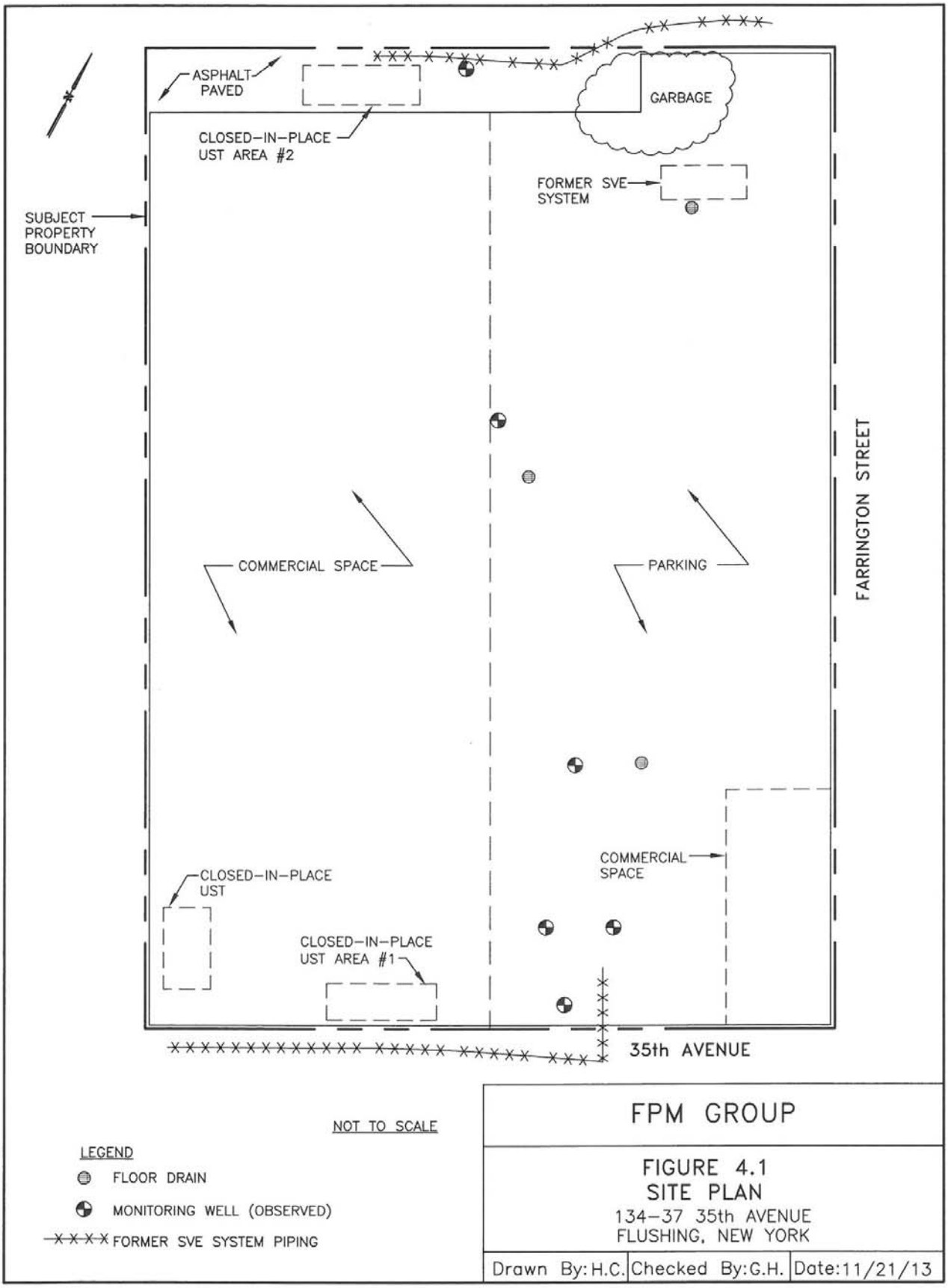
No hazardous substances or petroleum products were noted on the subject property at the time of the inspection.

ASTs/USTs Inventory:

No visible evidence of any ASTs or USTs (fill pipes, vent pipes, supply lines) was noted during the site inspection. A noted in the previous section, there are nine onsite closed-in-place USTs. Five diesel USTs are located in the southwest corner of the building (UST area 1) and two gasoline USTs and two hoist (hydraulic lift) oil USTs are located to the north of the building (UST area 2).

Sanitary Waste Management

No evidence of any current or former onsite sanitary waste disposal systems was noted during the site inspection. The building is reportedly connected to the municipal sewer system.


ASPHALT PAVED
CLOSED-IN-PLACE UST AREA #2
GARBAGE
FORMER SVE SYSTEM
SUBJECT PROPERTY BOUNDARY
FARRINGTON STREET
COMMERCIAL SPACE
PARKING
COMMERCIAL SPACE
CLOSED-IN-PLACE UST
CLOSED-IN-PLACE UST AREA #1
35th AVENUE
NOT TO SCALE
LEGEND
FLOOR DRAIN
MONITORING WELL (OBSERVED)
FORMER SVE SYSTEM PIPING
FPM GROUP
FIGURE 4.1
SITE PLAN
134-37 35th AVENUE
FLUSHING, NEW YORK
Drawn By: H.C.
Checked By: G.H.
Date: 11/21/13

Solid Waste Disposal:

An accumulation of solid waste was noted in the northeast corner of the building interior and exterior. Solid waste was also noted throughout the building interior. No significant staining, leakage, or other evidence of inappropriate disposal was noted in association with the solid waste.

Drums/Unidentified Substance Containers:

No drums or unidentified substance containers were noted on the subject property at the time of the inspection.

Wells:

Approximately six monitoring wells were noted on the subject property at the time of the inspection. Additional monitoring wells are reportedly present and may not have been visible at the time of the inspection. The building is connected to the public water supply.

Heating, Ventilation and Cooling:

A ceiling-mounted natural gas-fired heating unit was noted in the subject property building.

PCB Electrical Components:

No potential PCB-containing electrical components were noted on the subject property at the time of the inspection.

Staining and Corrosion:

No significant staining or corrosion was noted at the subject property during the inspection.

Floor Drains and Sumps:

Three floor drains were observed within the subject property building during the site inspection. The drains appeared to be connected to the municipal sewer system. No staining or evidence of improper discharges was observed in association with the drains.

Stormwater Drainpools/Subsurface Drainage Structures:

No stormwater drainpools or subsurface drainage structures were noted at the subject property.

Stressed Vegetation:

No stressed vegetation was observed at the subject property at the time of inspection.

Dumping:

No evidence of dumping was observed on the subject property at the time of inspection.

Disturbed Soil Mounding/Excavation:

No evidence of disturbed soil or excavation was observed at the subject property at the time of the inspection.

Radon:

Due to the depth to bedrock in the property area, radon does not appear to be a concern at the subject property. Based on the 1993 U.S. Geological Survey Open-file Report 93-292-B entitled "Geologic Radon Potential of EPA Region 2", the average indoor radon concentration in Queens County is 1.4 picocuries per liter and is among the lowest concentrations in New York State**.** The USEPA recommends that action be taken to reduce radon concentrations if they exceed four picocuries per liter. Radon does not appear to be a concern at the subject property.

Radiation:

There was no indication that past or present property activities may have included the generation or storage of radiation sources at the subject property.

Adjoining Property Descriptions:

The subject property is surrounded by parcels utilized for residential and commercial purposes. BLU KTV Lounge and Bar, Meiling Nail Supply Inc., Debasaki restaurant, NYDC Beauty Supply, and a yoga studio adjoin the subject property to the east (across Farrington Street). Hidden Beauty Inc. adjoins the subject property to the southeast (across 35th Avenue and Farrington Street). The Flushing International Hotel, New York International Table Tennis Center, Joy Foods restaurant, and residential buildings adjoin the subject property to the south (across 35th Avenue). A plumbing supply business adjoins the subject property to the west. An alley used for parking adjoins the subject property to the north. Based on FPM's observations of the adjoining properties from the vantage point of the subject property and adjacent public roads, no visible environmental concerns were noted.

SECTION 5.0
FINDINGS AND CONCLUSIONS

5.1 Findings and Opinions

FPM has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 for the property located at 134-37 35th Avenue, Flushing, New York. Any exceptions to, or deletions from, this practice are described in Section 5.2 of this report. This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the property except as noted below.

- The subject property occupies approximately 39,000 square feet on the northwest corner of the intersection of 35th Avenue and Queens County Tax Map number: Block 4949 and Lot 31. The property is developed with an approximately 38,000-square-foot one-story commercial building with an asphalt-paved area to the north. The property is currently owned by Farrington Realty, LLC, who has owned the property since June 2003. The property was previously owned by various private and commercial entities. No industrial ownership is reported.

- The subject property is adjoined by properties utilized for residential and commercial purposes. No visible environmental concerns were noted.

- The subject property is zoned for residential and retail commercial use as R6 with a C2-2 overlay. The property is presently e-designated as E-246 for hazardous materials, air, and noise. The hazardous materials listing is likely related to the former USTs at the subject property. The e-designation constitutes a REC.

- The subject property was initially developed for residential and commercial purposes prior to 1892. The southern portion of the subject property was occupied by the Kyle Institute from 1892 until at least 1903. The northern portion of the subject property contained a dwelling in 1892 until it was taken over by the Kyle Institute between 1892 and 1903. The Kyle Institute vacated the property between 1903 and 1916, and the property was used for residential purposes and as a Democratic Club House. Between 1916 and 1941 the subject property was redeveloped with the current commercial building and was occupied by the North Shore Bus Co. Between 1943 and 1951 the building became a NYCDOS garage. The NYCDOS vacated the property in 1996. Since 1996 the building occupants have included the 7 Train Theater, restaurants, stores, bars, and a parking garage. The subject property is currently vacant and a demolition permit has been issued.

- The subject property was identified in the PBS database with eight ASTs and eight USTs. The ASTs were removed in October 1996, including a 275-gallon kerosene AST, three 275-gallon ASTs, three 115-gallon ASTs, and a 550-gallon AST. The USTs included a 4,000-gallon diesel UST closed-in-place in August 1959, two 550-gallon diesel USTs closed-in-place in April 1995, two 550-gallon gasoline USTs closed-in-place in October 1996, two 550-gallon USTs closed-in-place in October 1996, and a 2,000-gallon #2 fuel oil UST removed in April 2000. An investigation report identified nine onsite closed-in-place USTs and a dispenser, including five diesel USTs located in the southwest corner of the building (UST area 1) and two gasoline USTs and two hoist (hydraulic lift) oil USTs located to the north of the building (UST area 2). The presence of closed-in-place USTs on the property constitutes a REC. Removal of the closed-in-place USTs during demolition has been recommended.

- Four tank-related spills have occurred onsite and are assigned to the NYCDOS. NYSDEC spill 95-00504 was assigned on April 12, 1995 following a tank test failure on a 4,000-gallon diesel UST; UST was removed and the spill was cleaned up and closed on May 18, 1995. Spill 94-16972 was assigned on March 31, 1995 following the discovery of petroleum-contaminated soil during UST removal; the soil was removed and the spill closed on May 18, 1995. Spill 95-00509 was assigned on April 12, 1995 following a diesel tank test failure; this spill was closed on May 18, 1995. Active spill 94-16190 was assigned on March 15, 1995 following the release of #2 fuel oil from the fill line of a 2,000-gallon UST.

- An SVE system was installed in 2000 to clean up the petroleum-related VOC soil contamination around the two onsite UST areas. The system was shut down in 2003 after soil sampling showed that the contamination was reduced and was removed in 2012. Petroleum-related VOC impacts remain in the groundwater at two limited locations. Hydrogen peroxide was injected into the groundwater in April 2012 to mitigate the petroleum contamination in one area. This injection does not appear to have been successful. A plume of groundwater contaminated with CVOCs has been identified onsite, with the highest concentrations found along the eastern (crossgradient) and southern (upgradient) boundaries of the property. The source of the CVOC plume has not been found and is understood to be offsite. Semi-annual groundwater monitoring is required by the NYSDEC for the subject property. The subject property is referred to as the Queens East 11A site, and the remediation is currently undertaken by the NYCDDC and overseen by the NYSDEC under the spills program. We understand that the NYCDDC will retain the responsibility for groundwater monitoring and reporting. The groundwater conditions and monitoring requirements constitute a REC. The potential for soil vapor intrusion associated with the CVOCs in groundwater also constitutes a REC.

- The property was identified as a RCRA NLR site during its operation under the NYCDOS. The property was listed as a large-quantity generator of ignitable hazardous waste in 1996. No RCRA violations or enforcement actions were noted.

- There are two upgradient environmental sites with the potential to affect the quality of the subject property groundwater; however, ongoing remedial efforts are anticipated to mitigate potential groundwater impacts. Therefore, none of the identified environmental sites appears to pose a significant concern for the subject property.

- The property building is currently heated with ceiling-mounted natural gas-fired units.

- Three floor drains were observed within the subject property building during the site inspection. The drains appeared to be connected to the municipal sewer system and no staining or evidence of improper discharges was observed in association with the drains.

- Solid waste was noted throughout the building. No significant staining, leakage, or other evidence of inappropriate disposal was noted in association with the solid waste.

- Groundwater is present beneath the subject property at a depth of approximately 20 to 25 feet below grade and generally flows to the northwest. Approximately six monitoring wells were noted at the property and additional monitoring wells are anticipated to be present but were not visible. No private water supply wells were noted or anticipated; the property building is connected to the public water supply. Abandonment of select monitoring wells prior to demolition has been recommended.

- No indications of current or former onsite sanitary waste disposal systems were noted at the property. The property building is connected to the municipal sewer system.

- No ASTs/USTs, drums, unidentified containers, hazardous substances, stormwater drainpools, staining, corrosion, stressed vegetation, disturbed soil mounding, excavations, or evidence of potential radiation were observed at the subject property during the inspection.

5.2 Deviations and Data Gaps

The only identified deviations and/or data gaps that may affect our ability to identify RECs are as follows:

- Records regarding the subject property were requested from the FDNY, NYCDDC, NYCDEP, NYCDOH, and NYSDEC. Final responses have not yet been received from these agencies. Some of these agencies may maintain pertinent information, although much of the anticipated information has been provided from other sources. Therefore, this data gap is not considered significant.

- The User has not reported a purchase price or provided an appraised value for the subject property. The User has also not provided any information regarding environmental liens for the property. However, none of the information obtained throughout the course of this Phase I ESA suggests that the purchase price and the appraised property value should significantly differ or that environmental liens may be present. Therefore, these data gaps are not considered significant.

5.3 Conclusions and Recommendations

Based on the findings and opinions, and considering the deviations and data gaps, FPM has formulated the following conclusions and recommendations for the subject property:

- As the property is e-designated, a Phase II investigation will be necessary. It is recommended that a Phase II Investigation Work Plan be developed in accordance with the requirements of the NYC Office of Environmental Remediation and that this Phase I ESA Report be submitted to the NYC Office of Environmental Remediation together with the Phase II Work Plan. The Phase II Investigation Work Plan should include provisions for soil, groundwater, and soil vapor sampling and a geophysical survey to confirm the locations of the closed-in-place USTs.

- The property building is slated for demolition, which may involve the areas where closed-in-place USTs and/or associated infrastructure are present. It has been recommended that any closed-in-place USTs and associated infrastructure and/or contaminated soil be properly removed and disposed in conjunction with building demolition.

- A groundwater monitoring program is in place and involves the use of several onsite groundwater monitoring wells. Abandonment of select wells prior to demolition has been recommended. Measures to protect the wells that will remain should be implemented during demolition. Any required wells that are damaged during demolition should be repaired or replaced, as necessary.

SECTION 6.0
DISCLAIMER

Observations and conclusions in this report are limited to those areas addressed in the study and represent our best judgment using the practices set forth in the ASTM Standard with which this report complies, as well as our past experience. Our investigation has been scientific and thorough; however, it is possible that certain areas of this property may pose environmental concerns that are, as yet, undiscovered. The following considerations apply to this report:

- A Phase I ESA is a non-invasive evaluation. No sample collection or subsurface analysis was conducted at the subject property as part of this Phase I ESA unless expressly detailed in this report.

- This Phase I ESA is based on the version of the ASTM Standard for Phase I ESAs (E 1527) under which it was prepared, as specified in Section 1 of this report, and other current environmental regulations as detailed herein. Future changes in environmental regulations and/or regulatory agency guidance may affect the interpretations and conclusions in this report.

- Asbestos-containing building materials, lead-based paint, mold, and indoor air quality are considered non-scope issues under the ASTM Standard for Phase I ESAs. This report does not address these potential environmental issues except as expressly described herein.

- Information acquired and evaluated during this Phase I ESA was provided by others. In accordance with the ASTM Standard, FPM is not required to independently verify the accuracy of provided information but may rely on this information unless we have additional information that indicates that the provided information is incorrect.

- This Phase I ESA report is dated, and the findings contained herein are based on the visible conditions existing at the subject property on the date of the inspection and as indicated in the provided information. Alterations of the subject property that may occur subsequent to the date of this report are not addressed herein.

- This Phase I ESA report is subject to the Terms and Conditions of the contract under which it was prepared.

SECTION 7.0
REFERENCES

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APPENDIX A

LOCAL RECORDS

1886 Certified Sanborn Map

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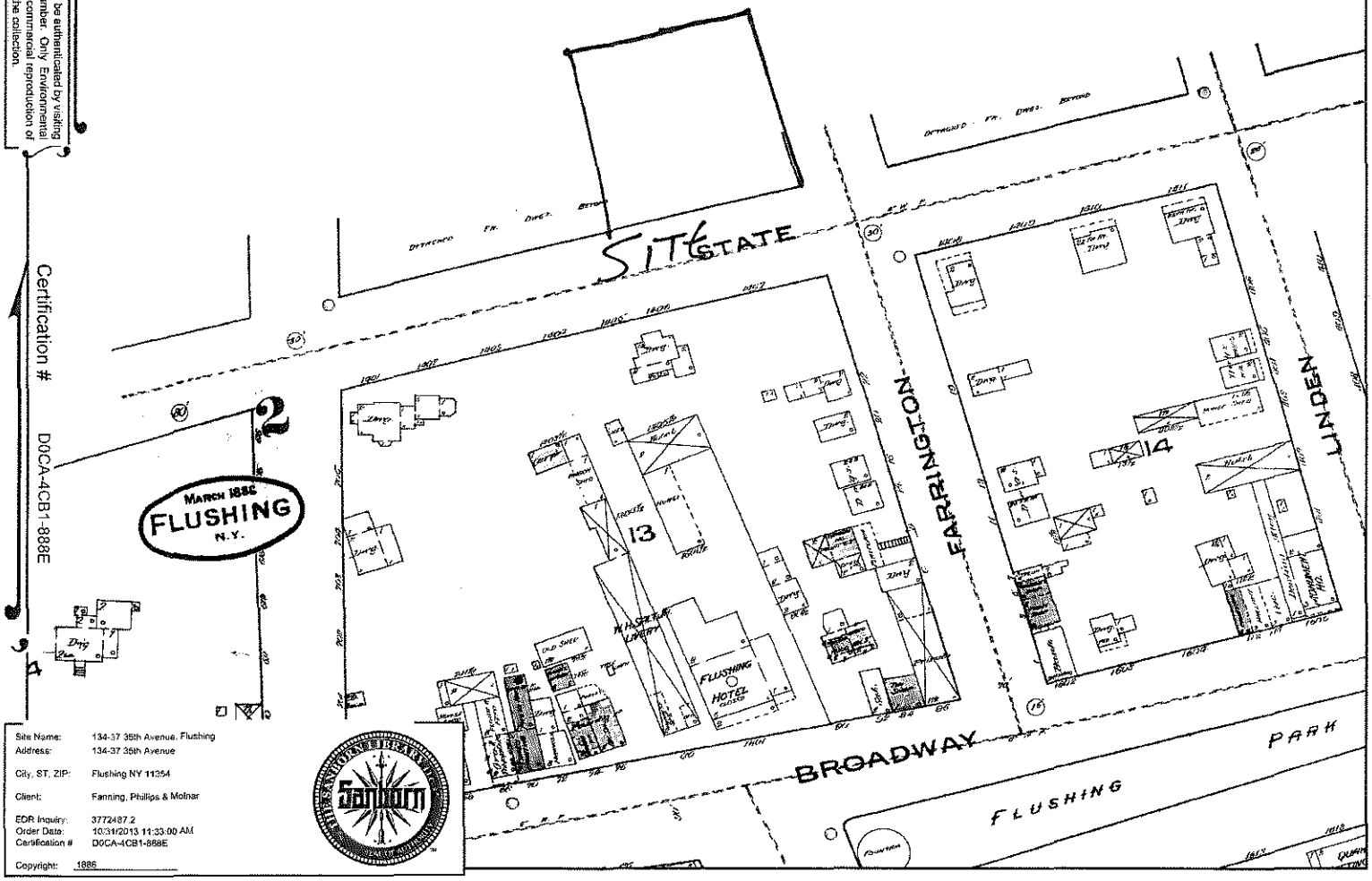

Site Name: 134-37 35th Avenue, Flushing
Address: 134-37 35th Avenue
City, ST, ZIP: Flushing NY 11354
Client: Fanning, Phillips & Molnar
EDR Inquiry: 3772487.2
Order Date: 10/31/2013 11:33:00 AM
Certification # D0CA-4CB1-888E
Copyright: 1886

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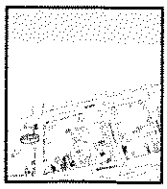

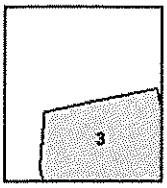

Volume 1, Sheet 3

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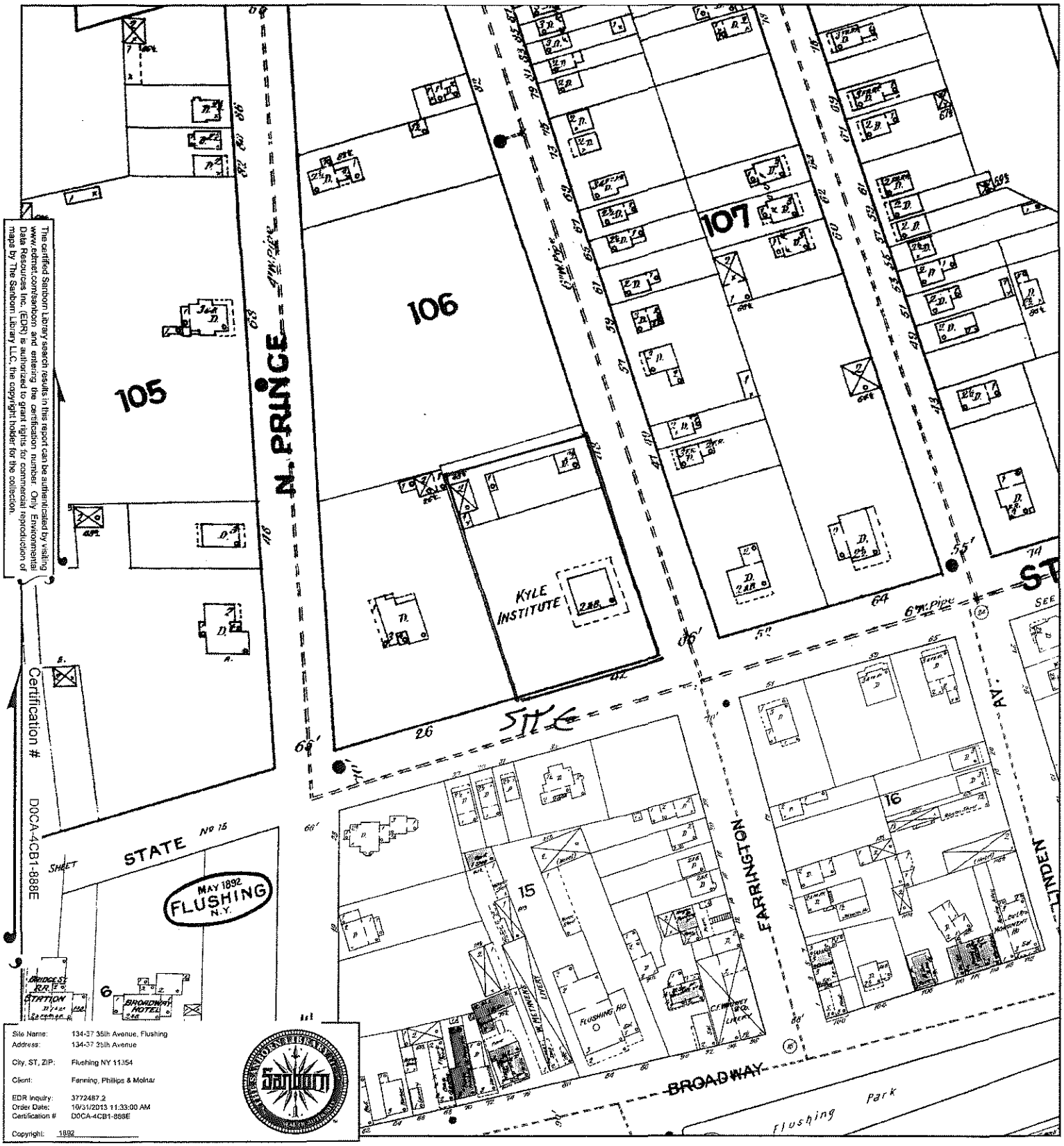
1892 Certified Sanborn Map



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Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
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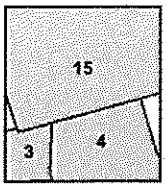

Volume 1, Sheet 3
Volume 1, Sheet 4
Volume 1, Sheet 15

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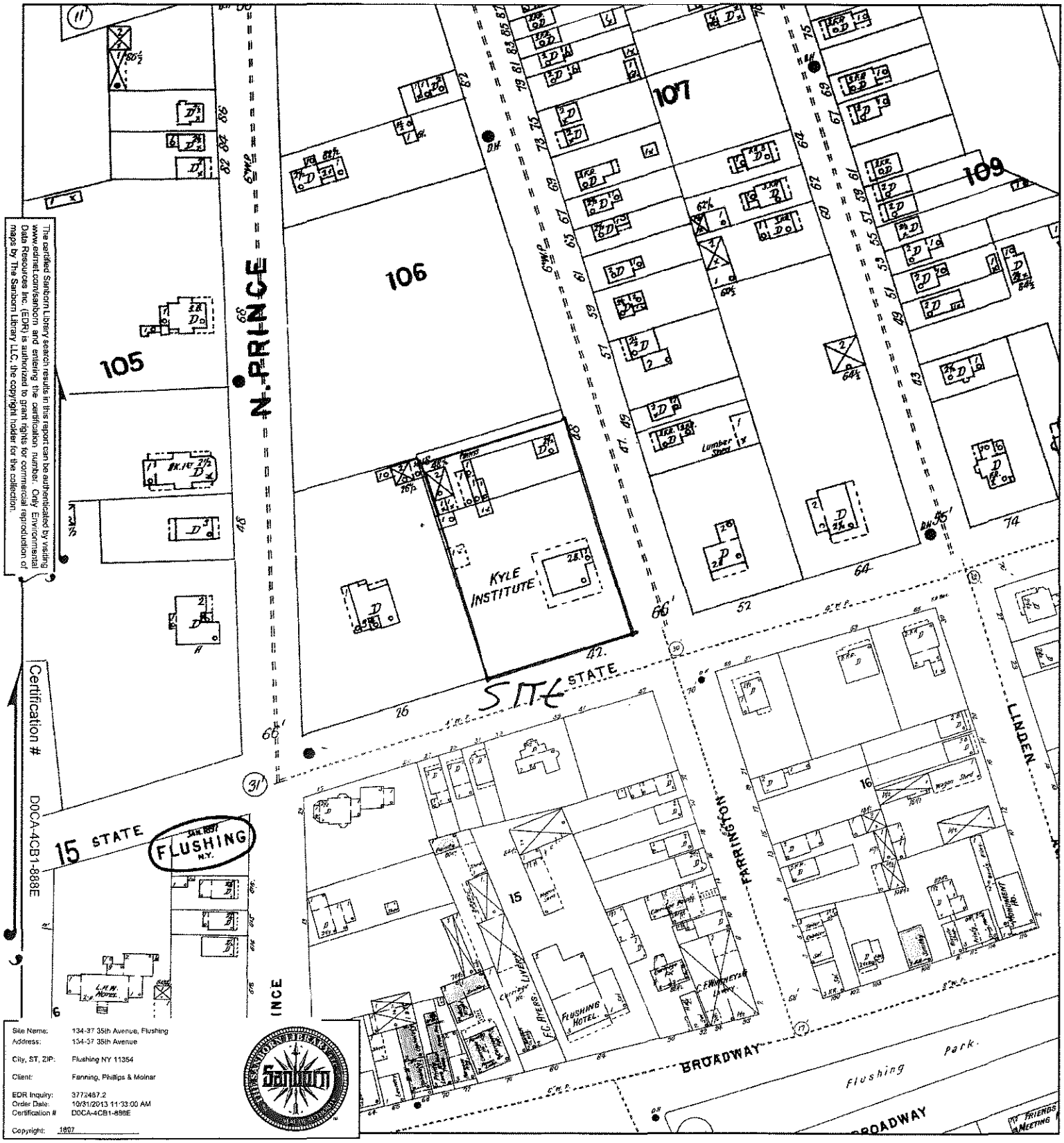
1897 Certified Sanborn Map



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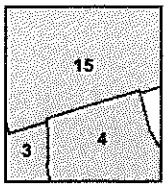

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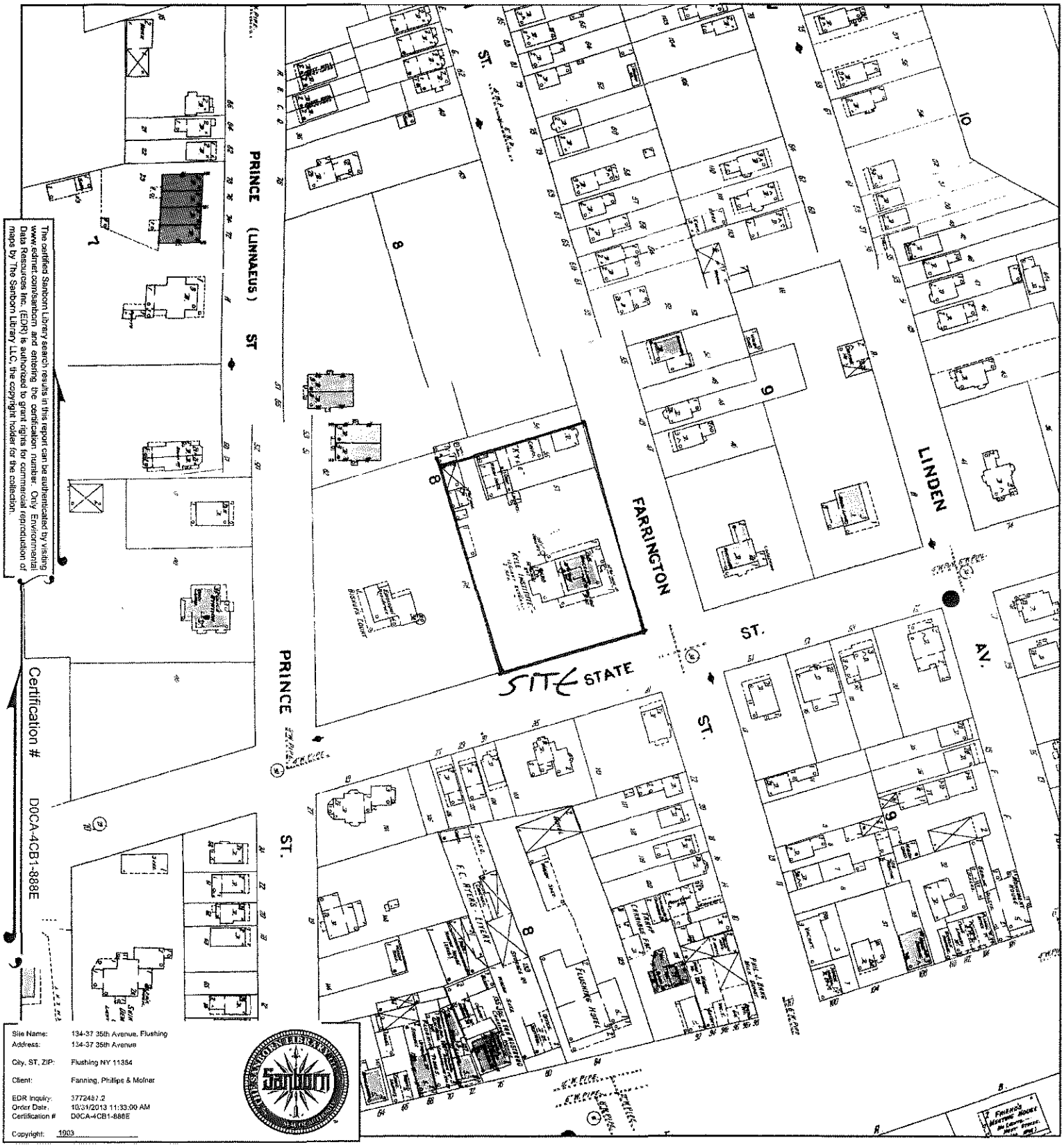
Volume 1, Sheet 4

N

1903 Certified Sanborn Map



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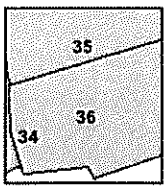

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Volume 5, Sheet 35
Volume 5, Sheet 36

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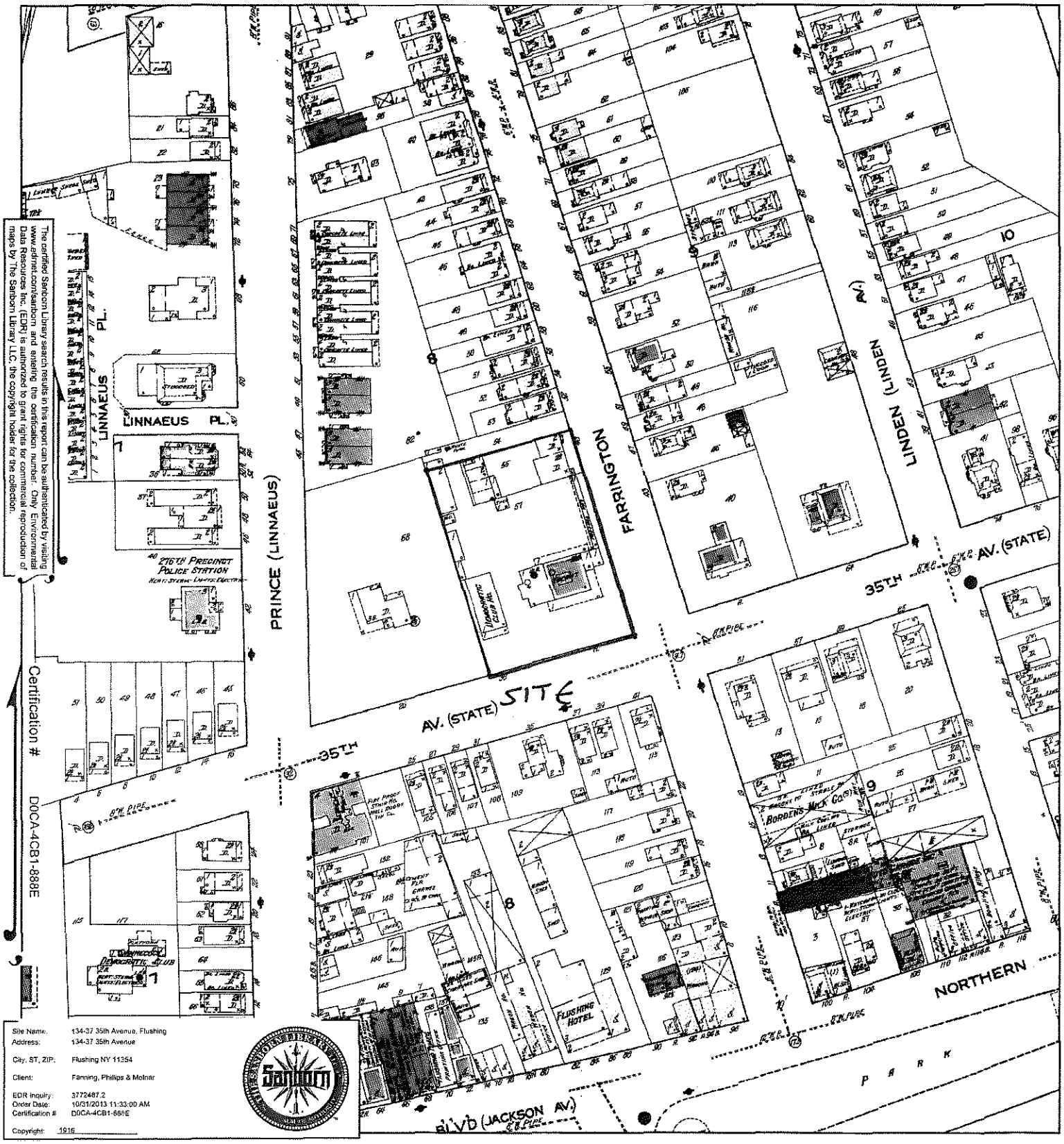
1916 Certified Sanborn Map



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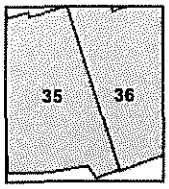

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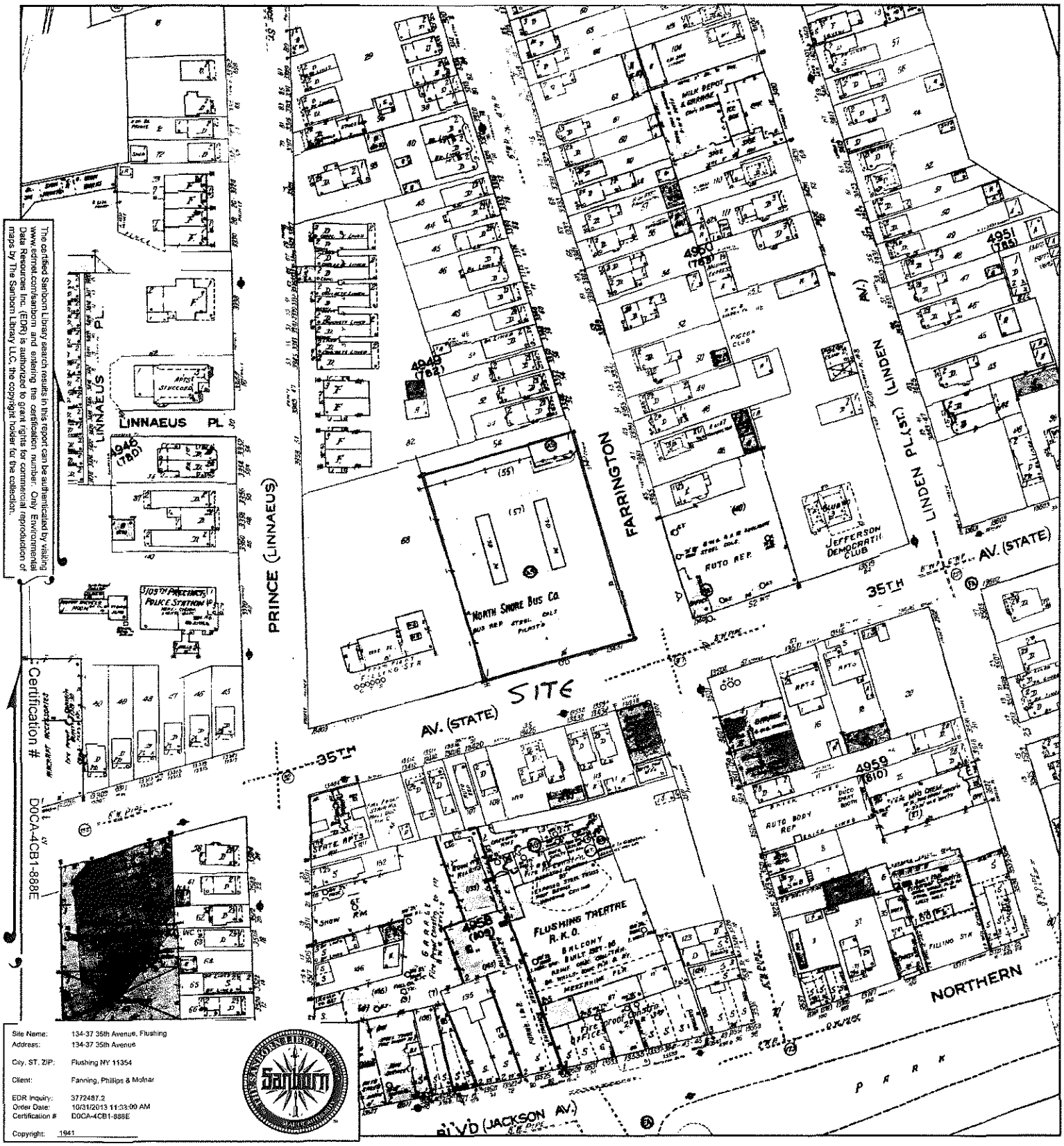
1941 Certified Sanborn Map



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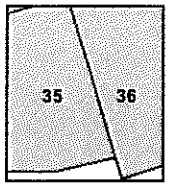

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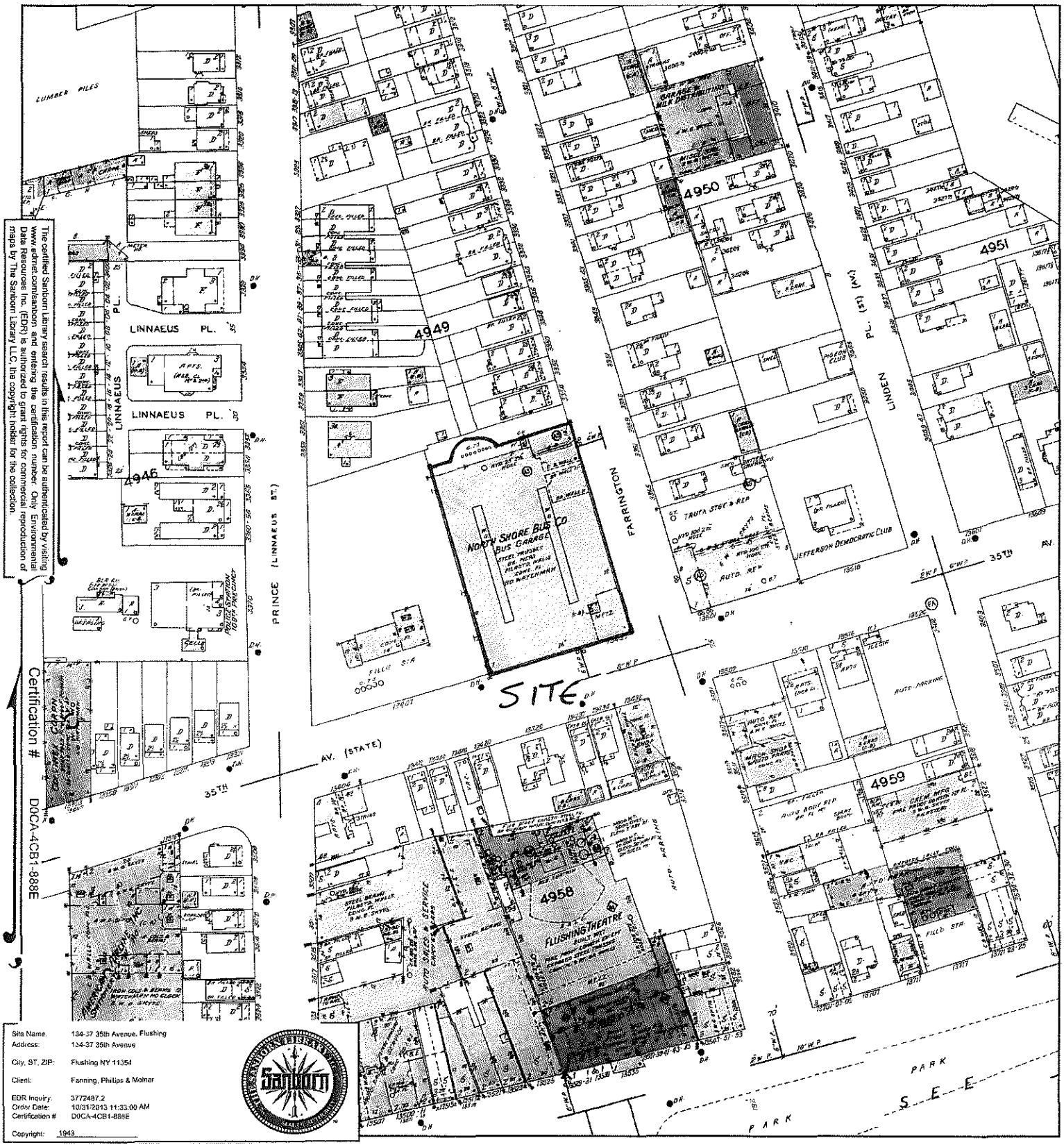
N

1943 Certified Sanborn Map



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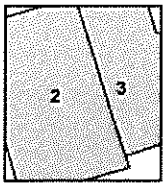

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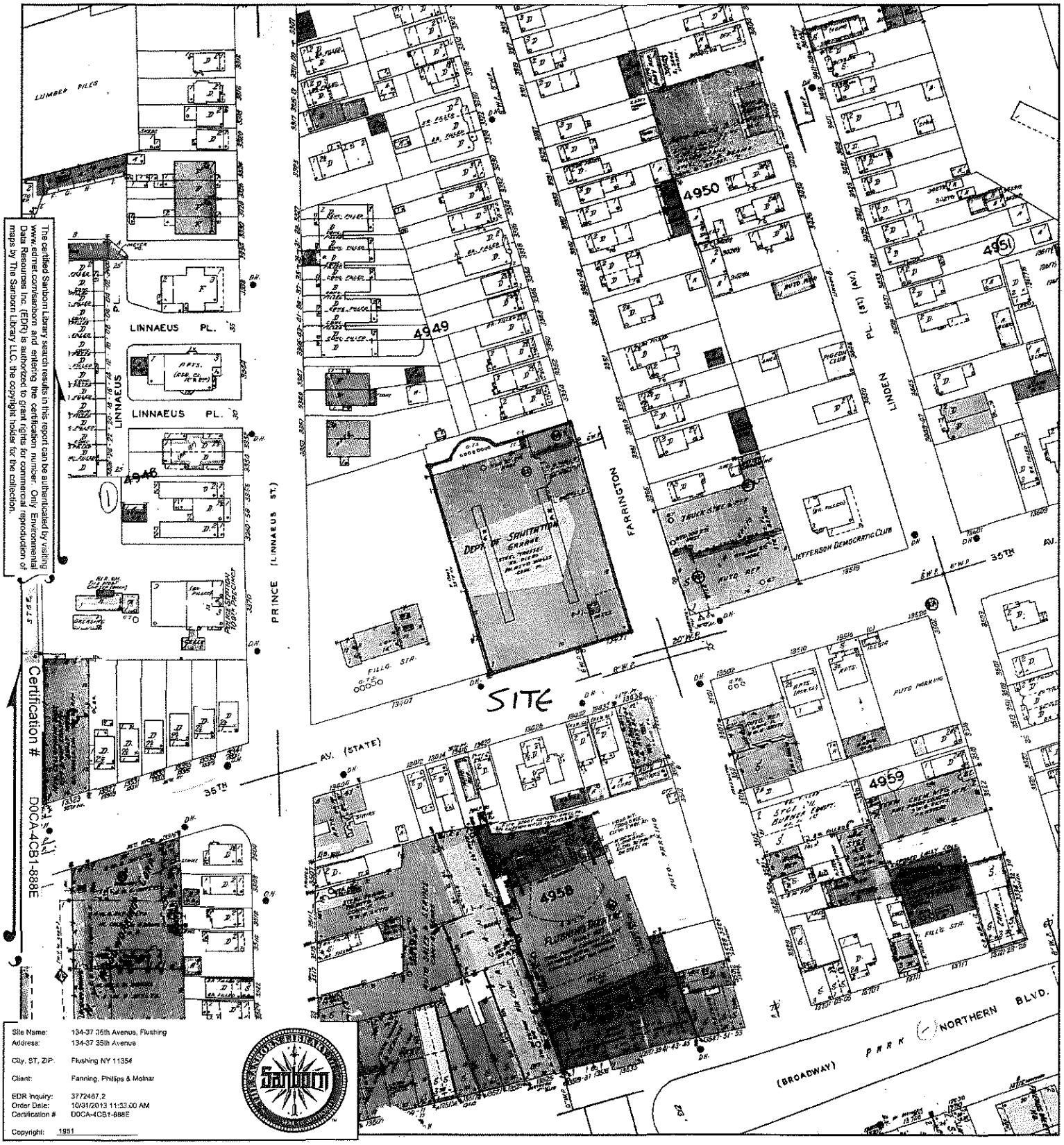

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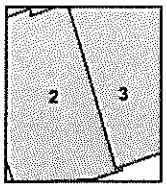

Volume 5, Sheet 2
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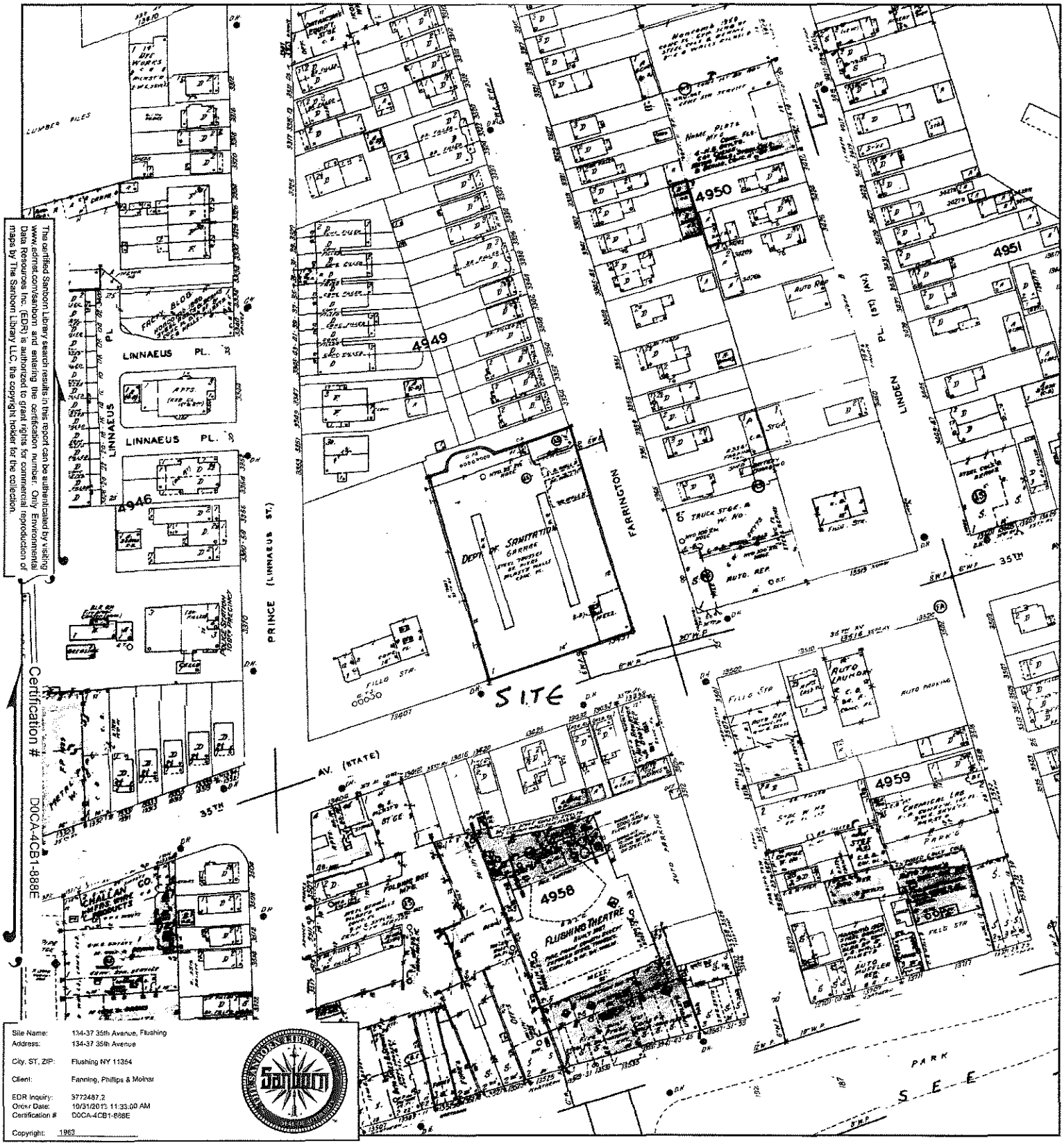

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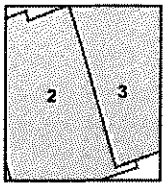

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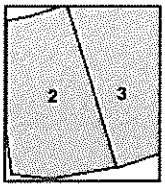

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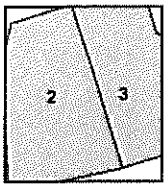

Volume 5, Sheet 3
Volume 5, Sheet 2

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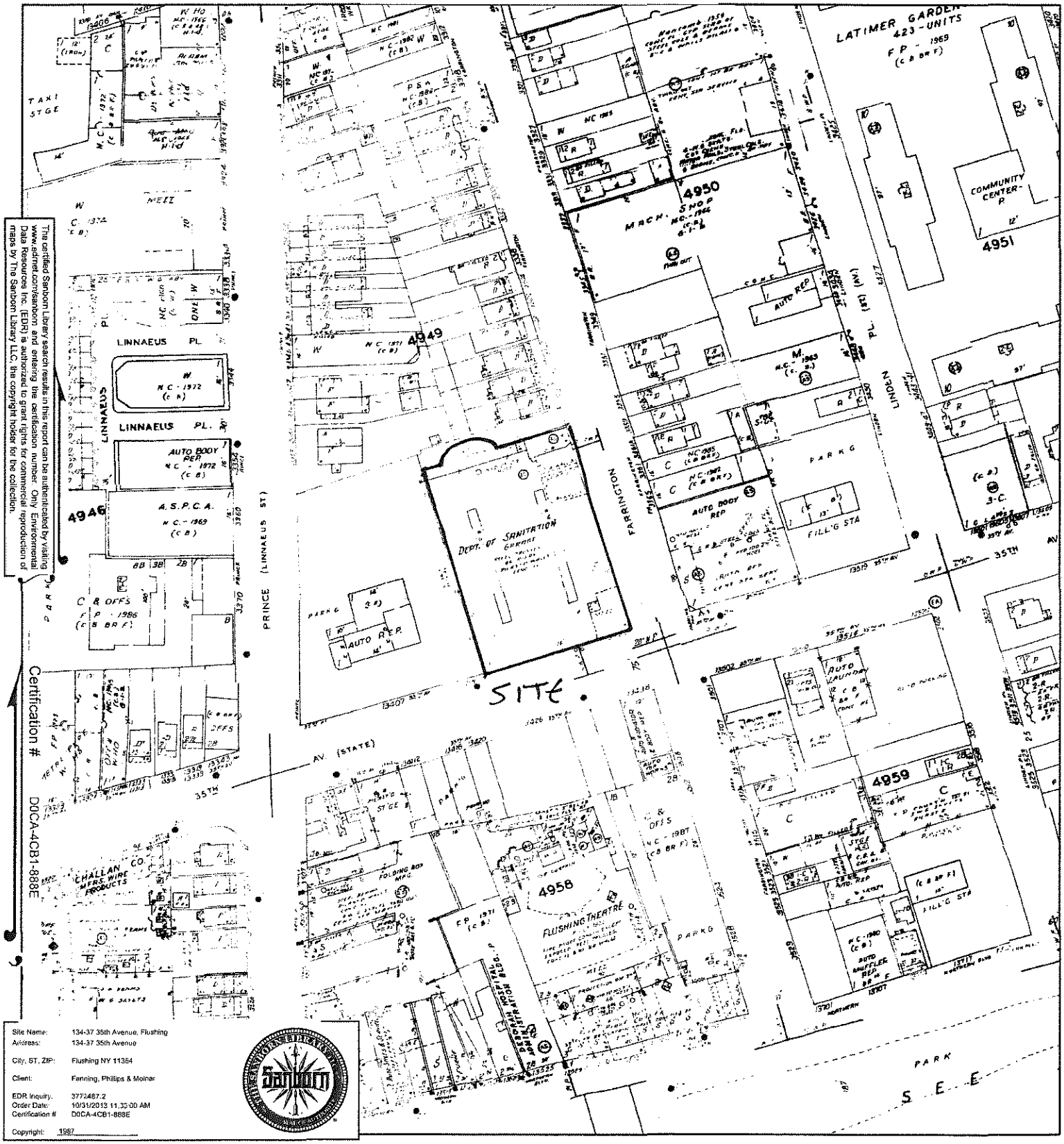

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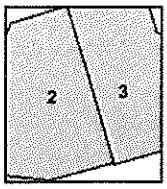

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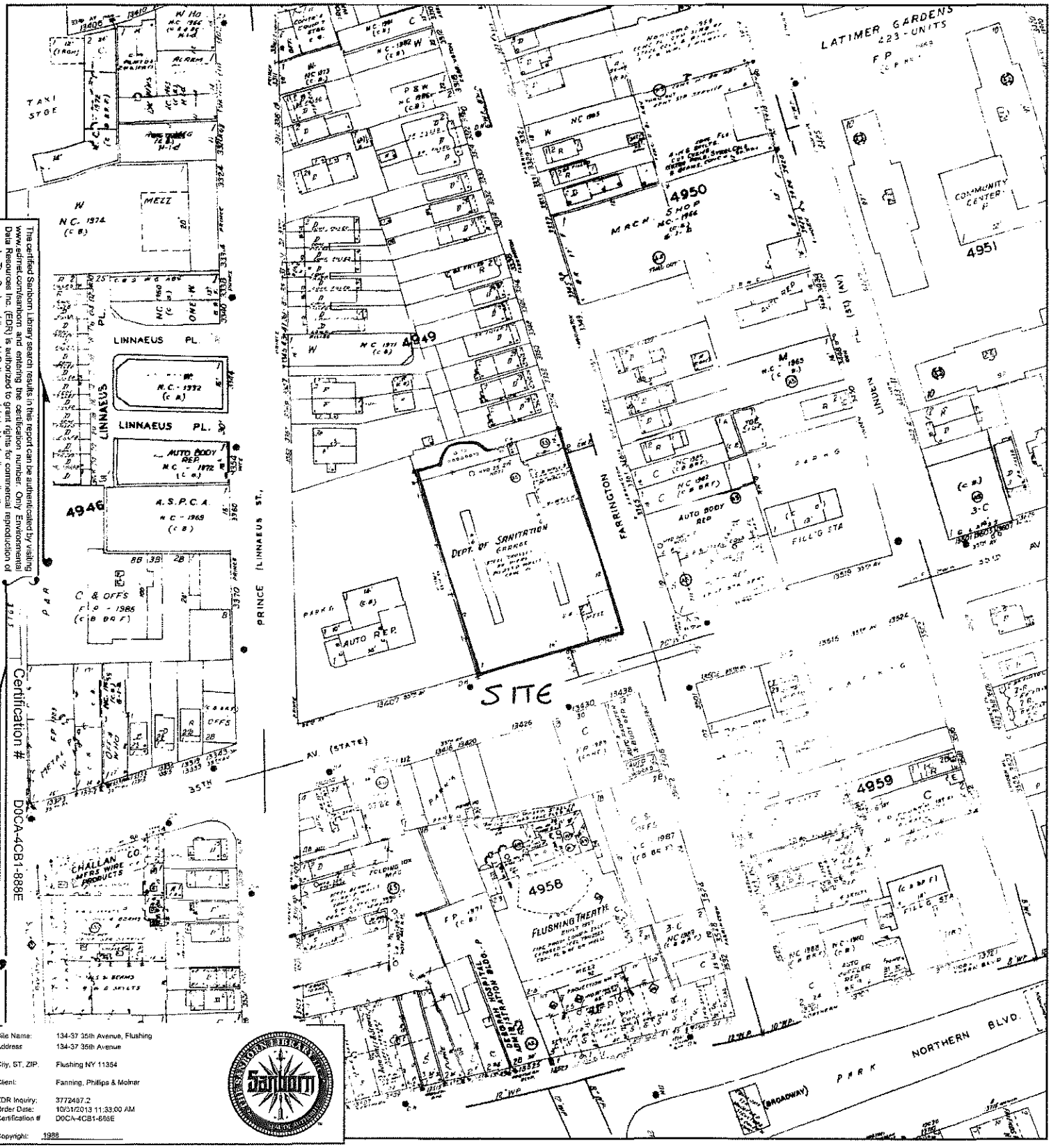

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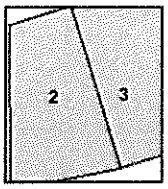

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Volume 5, Sheet 2

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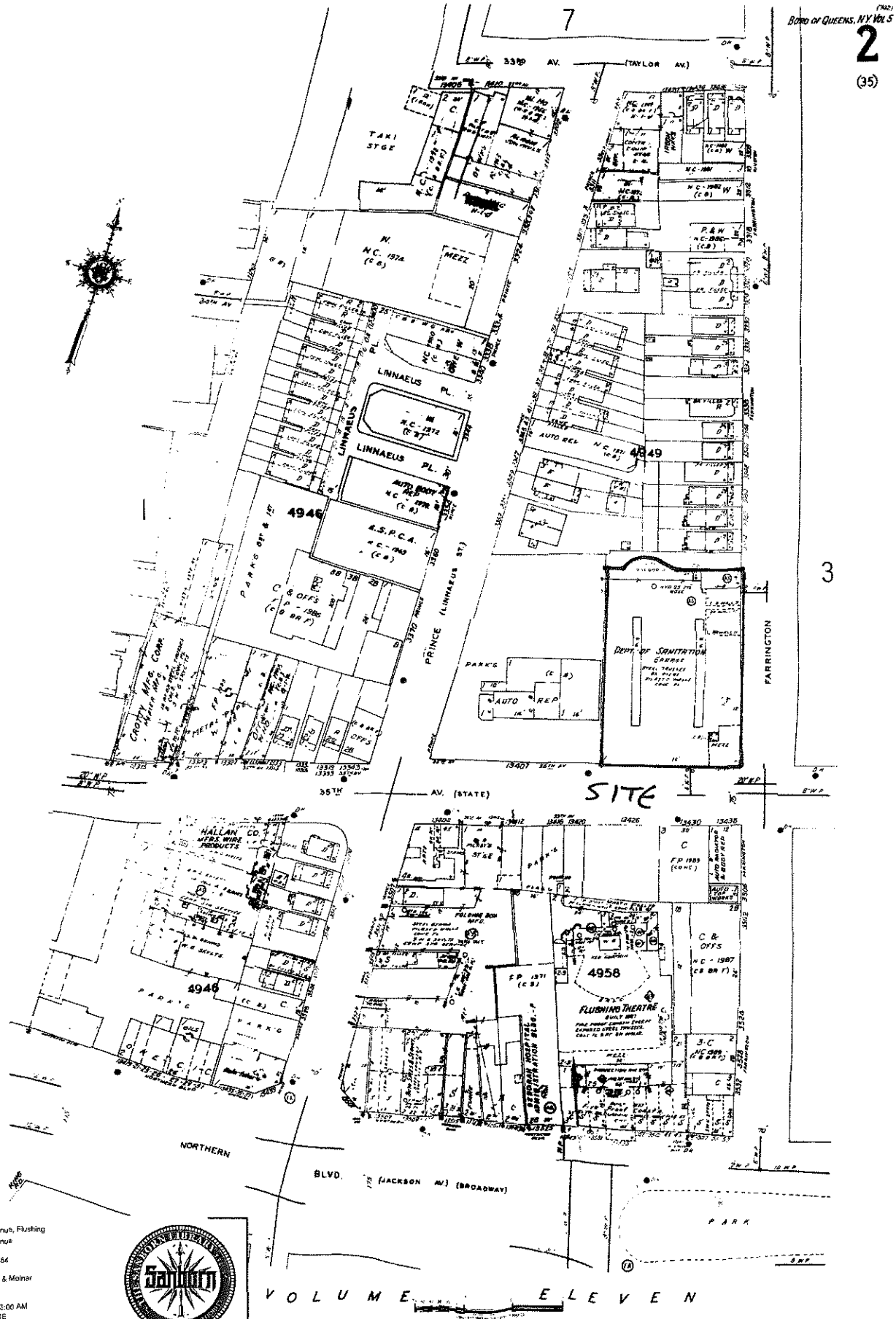

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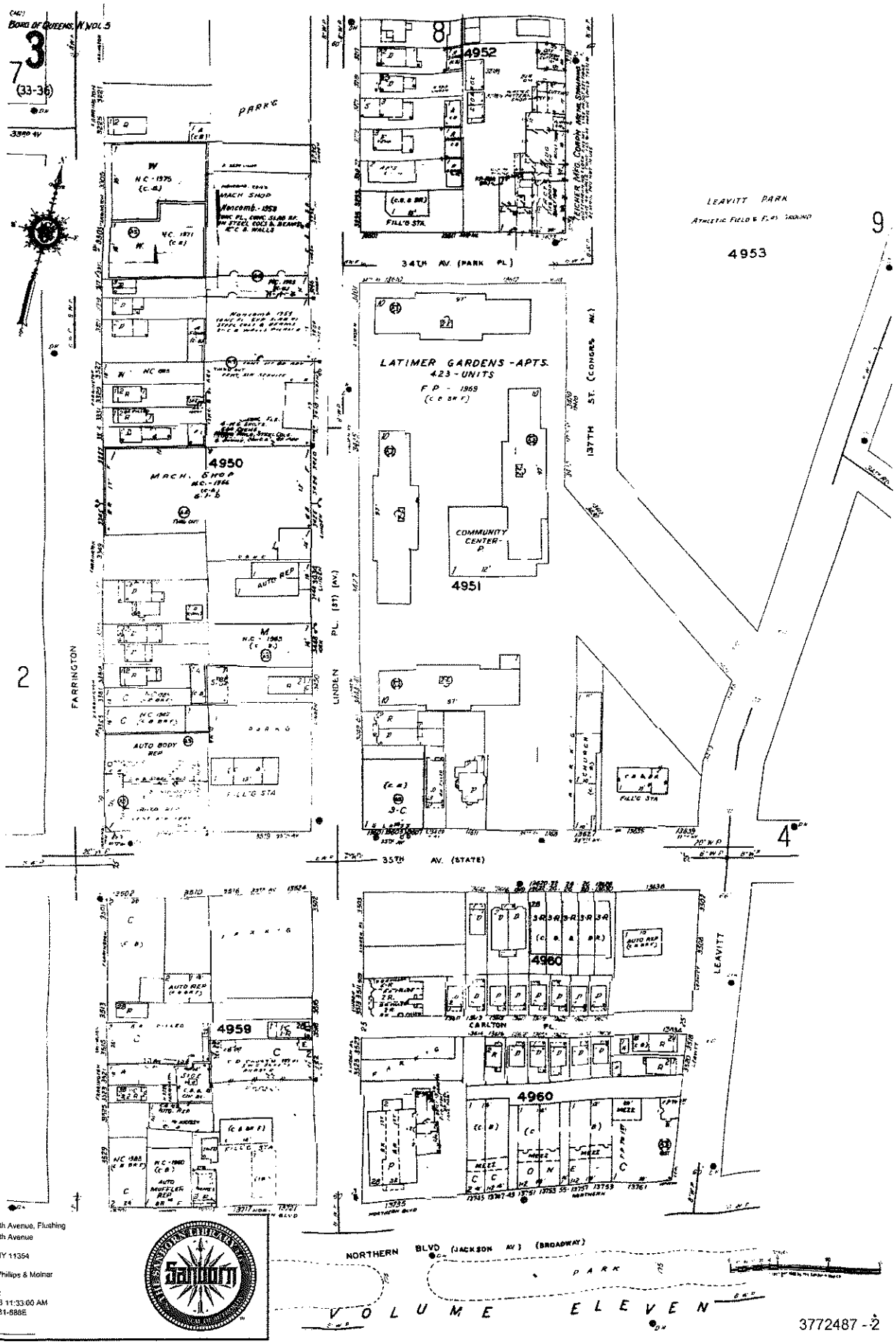

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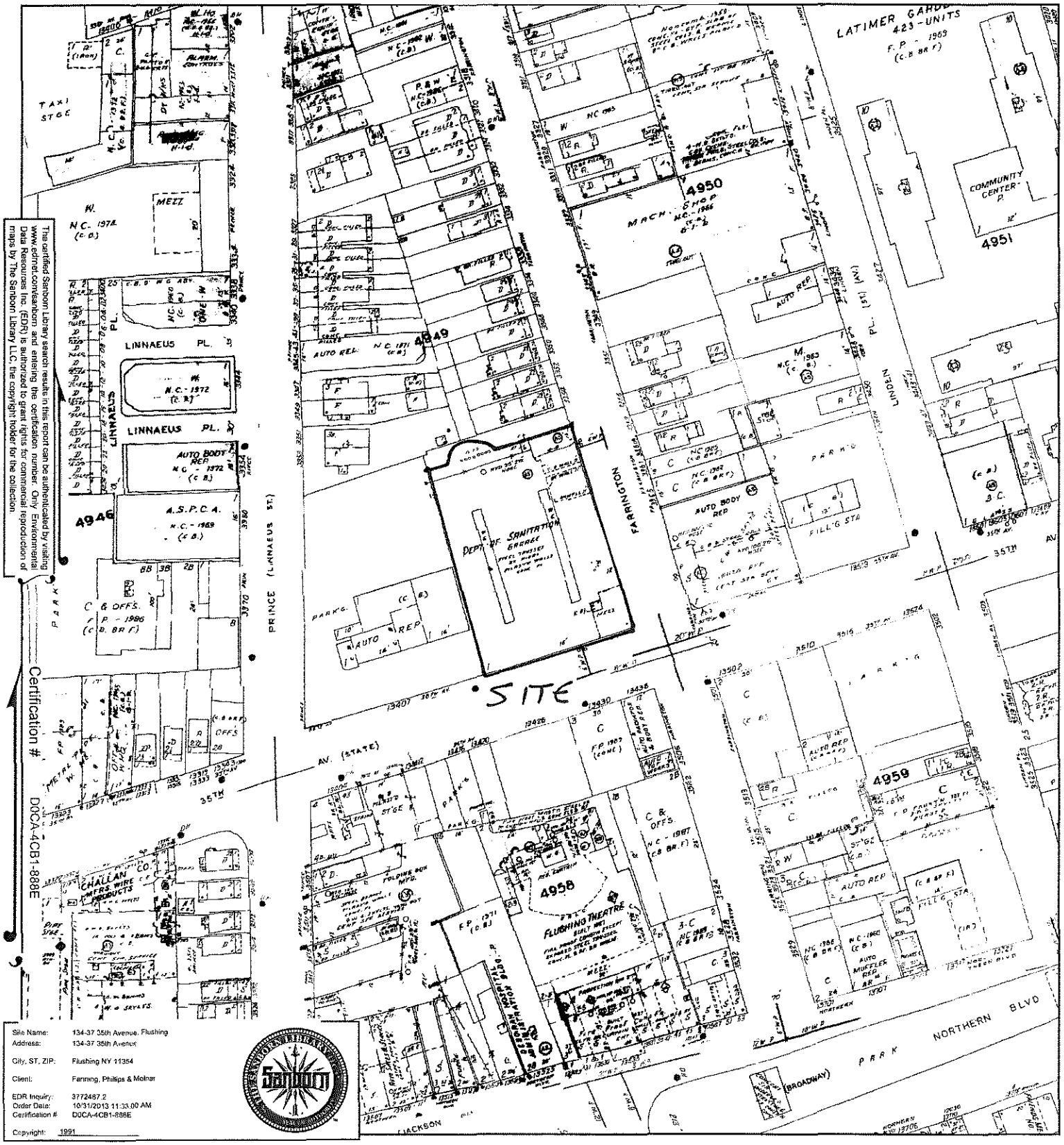

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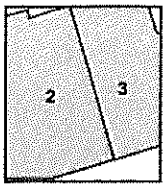

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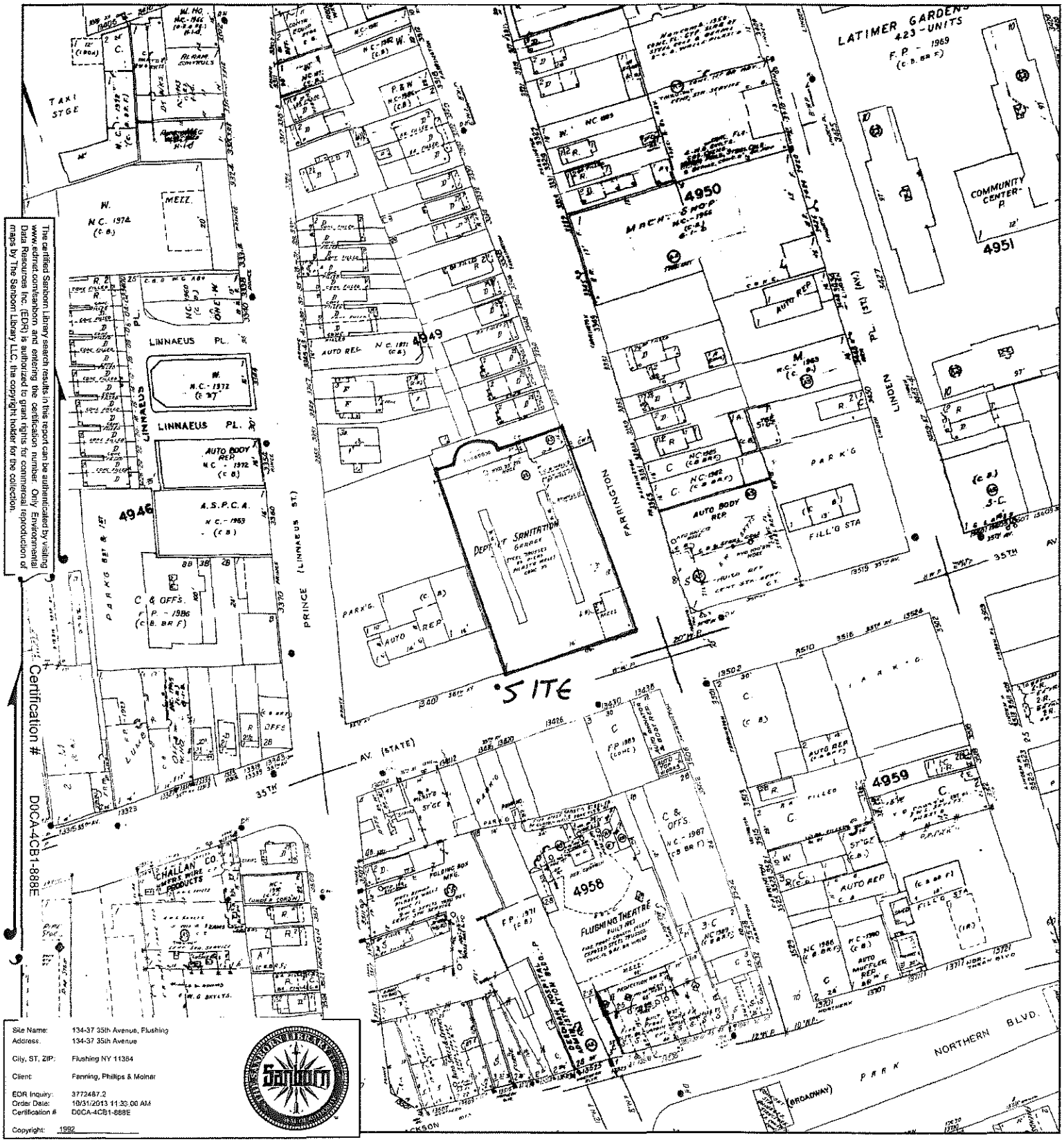

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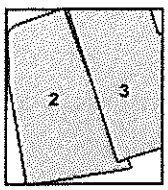

Volume 5, Sheet 2
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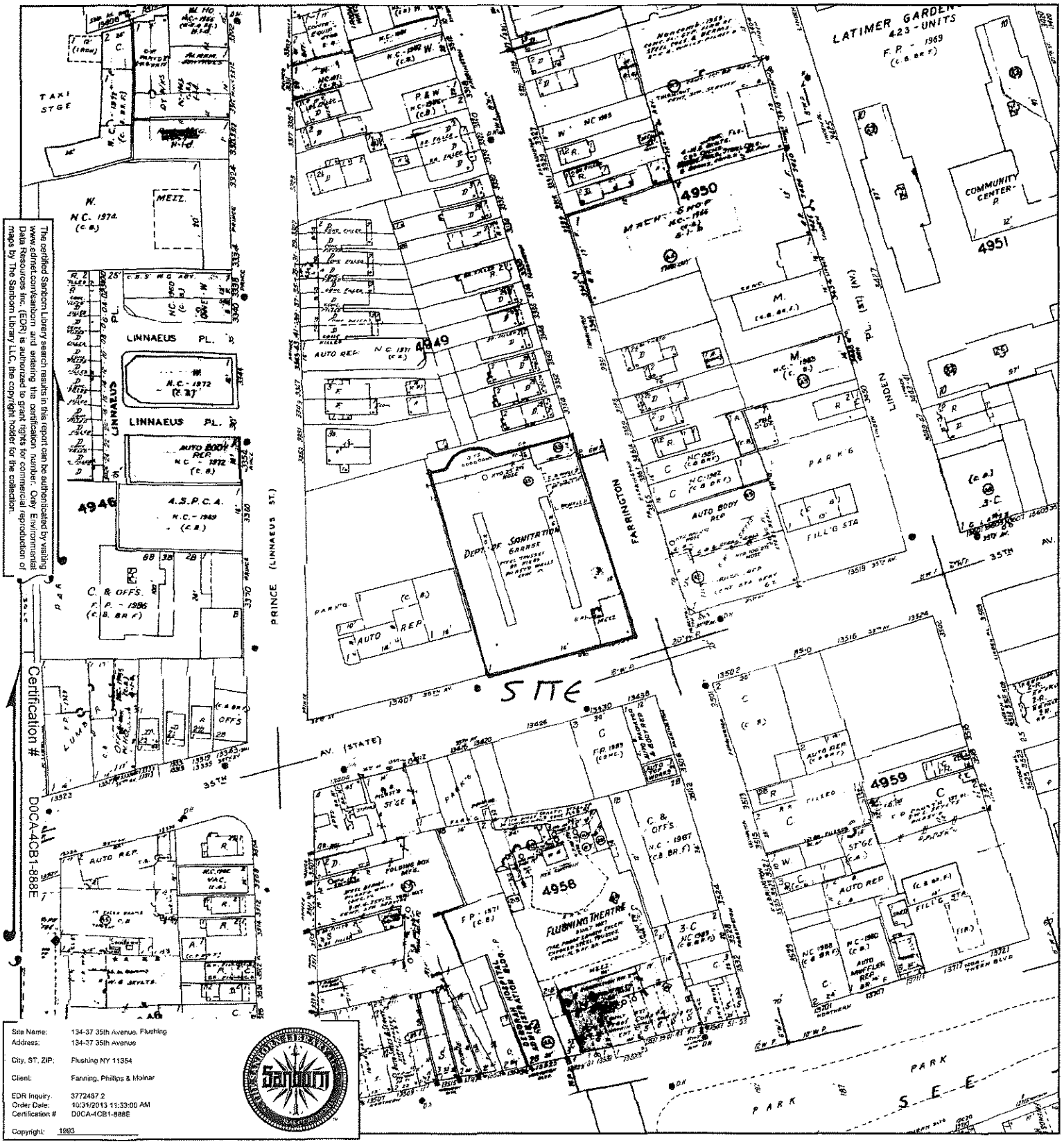
1993 Certified Sanborn Map



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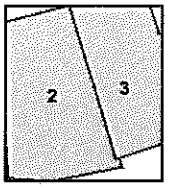

Volume 5, Sheet 2
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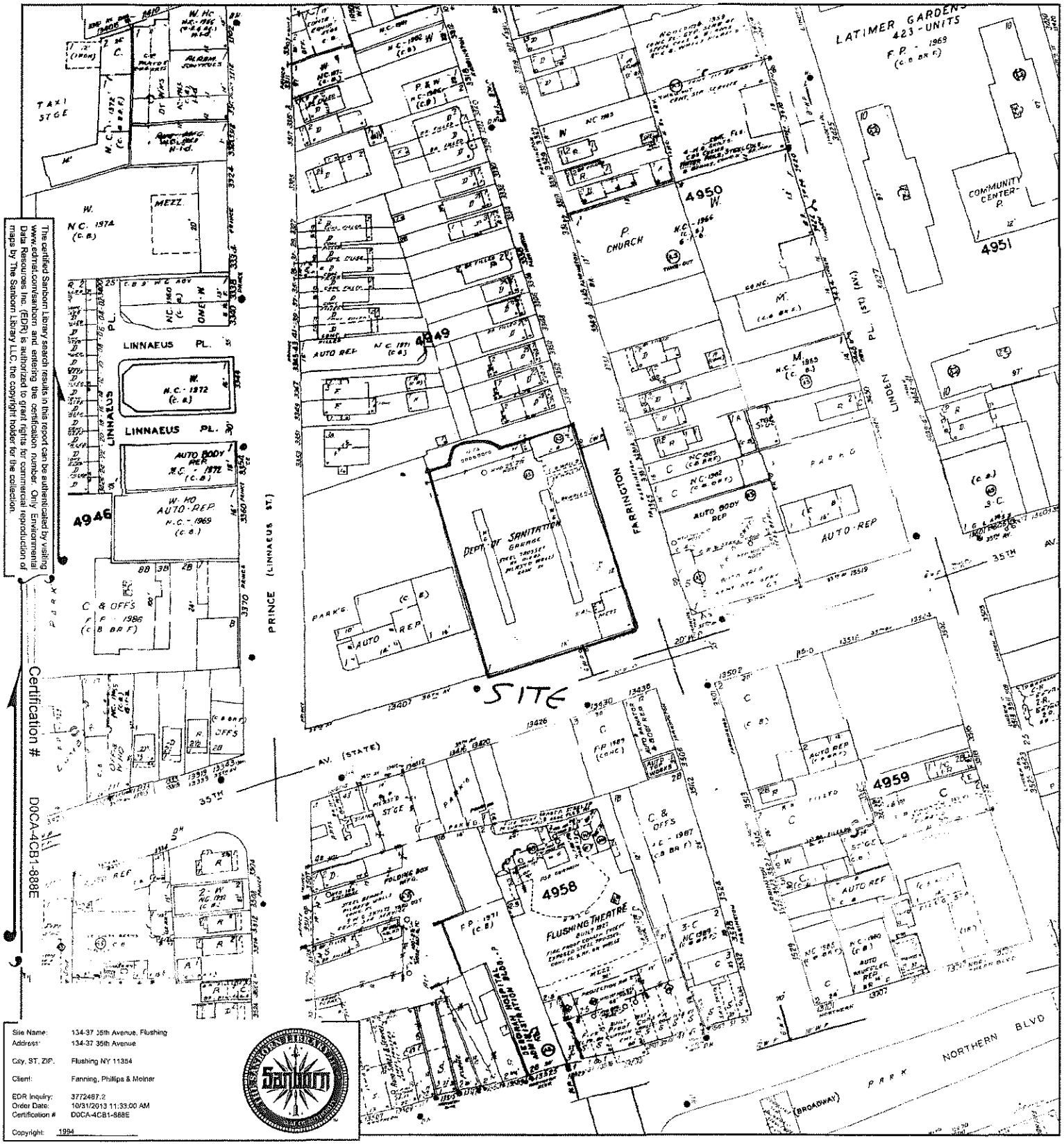

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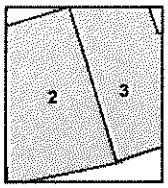

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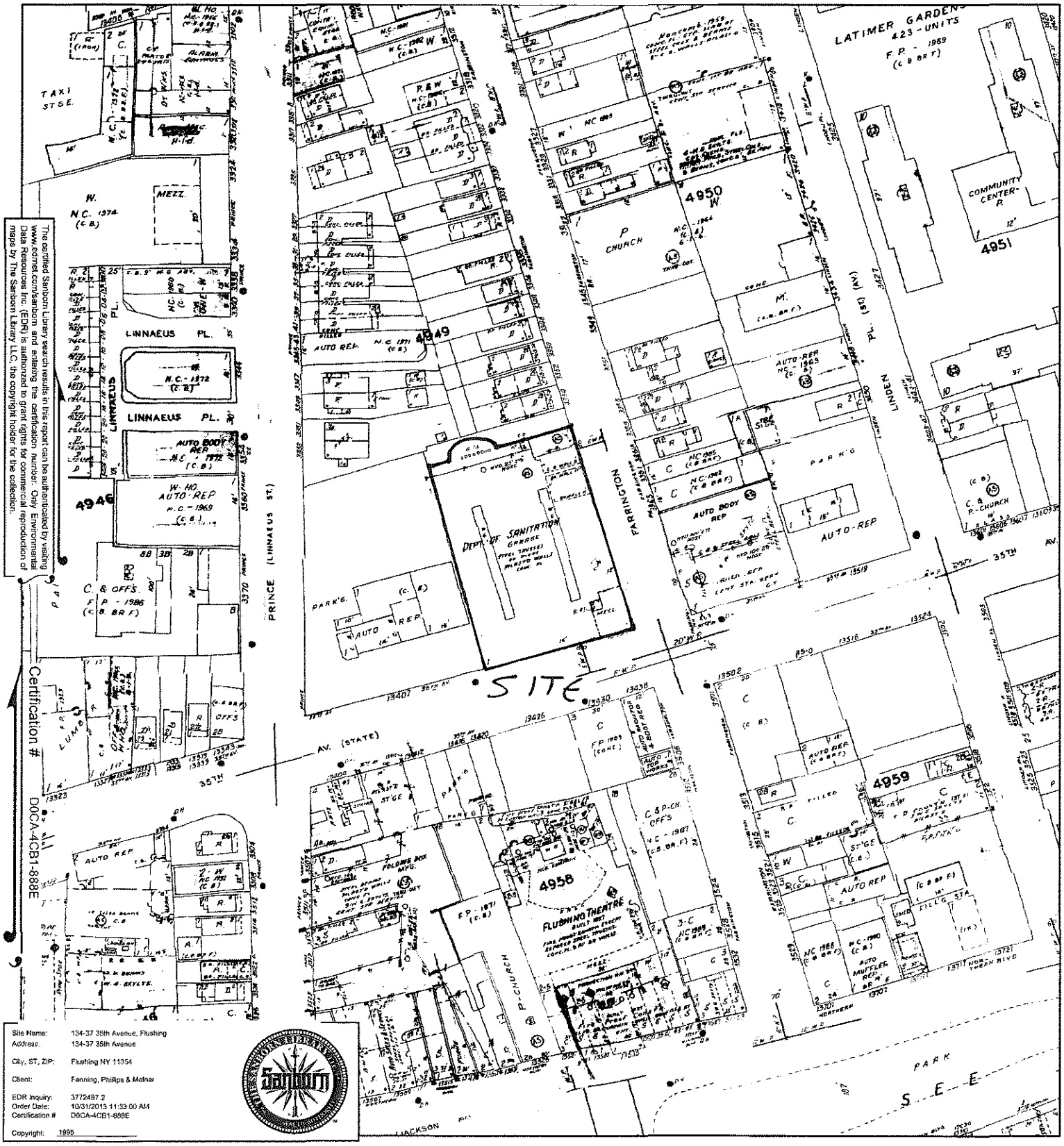
1995 Certified Sanborn Map



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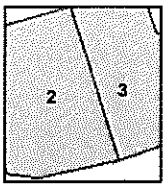

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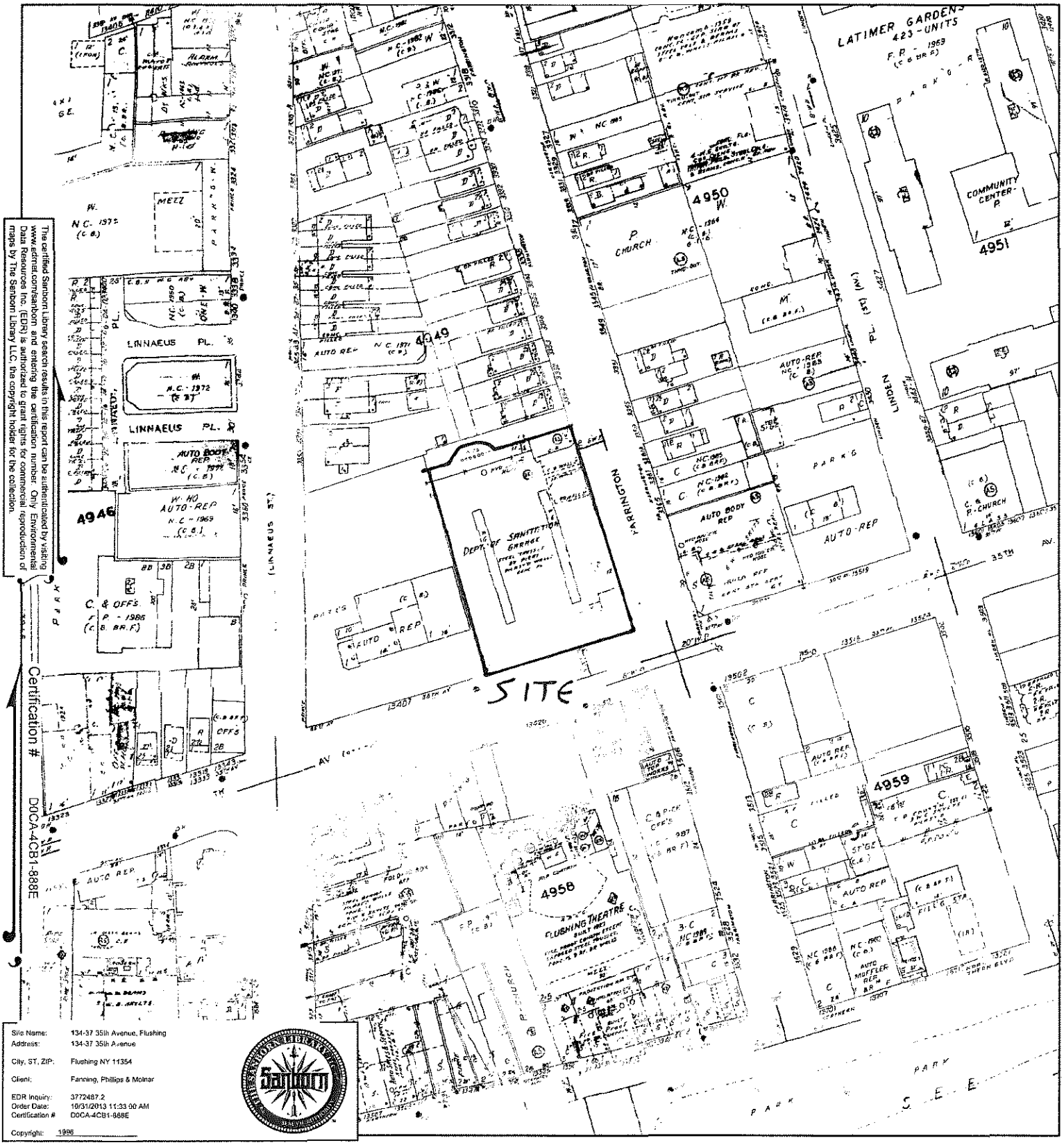
N

1996 Certified Sanborn Map



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Certification # D0CA-4CB1-888E

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	1996

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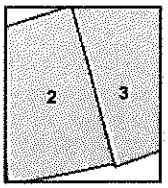

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Volume 5, Sheet 3

0 Feet 150 300 600

N

1999 Certified Sanborn Map

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Certification # D0CA-4CB1-888E

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	1999

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Outlined areas indicate map sheets within the collection.

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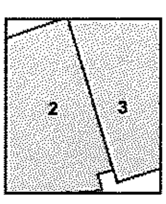

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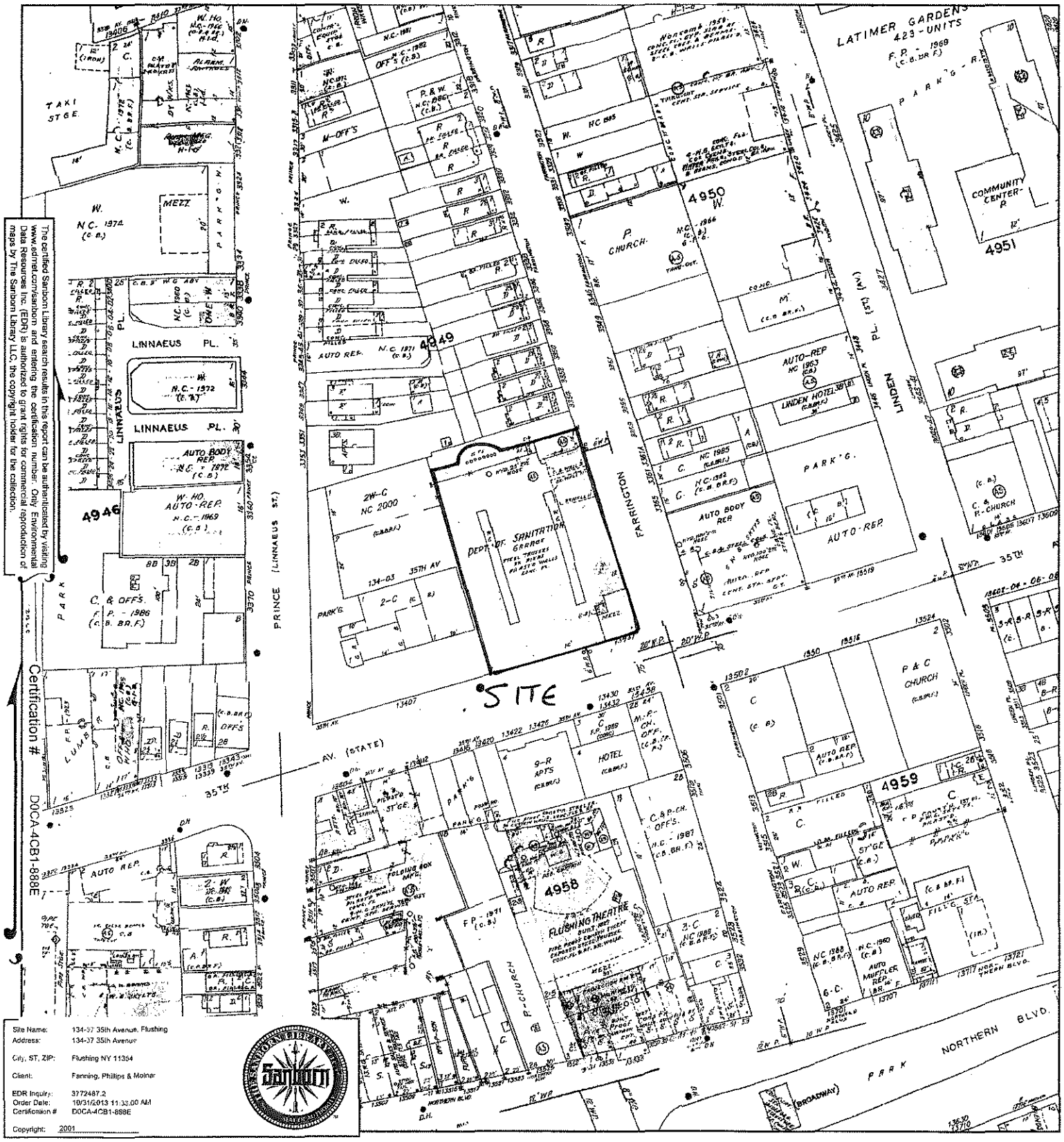
N

2001 Certified Sanborn Map



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Certification # D0CA-4CB1-888E

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:32:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	2001

This Certified Sanborn Map combines the following sheets.
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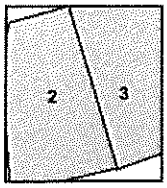

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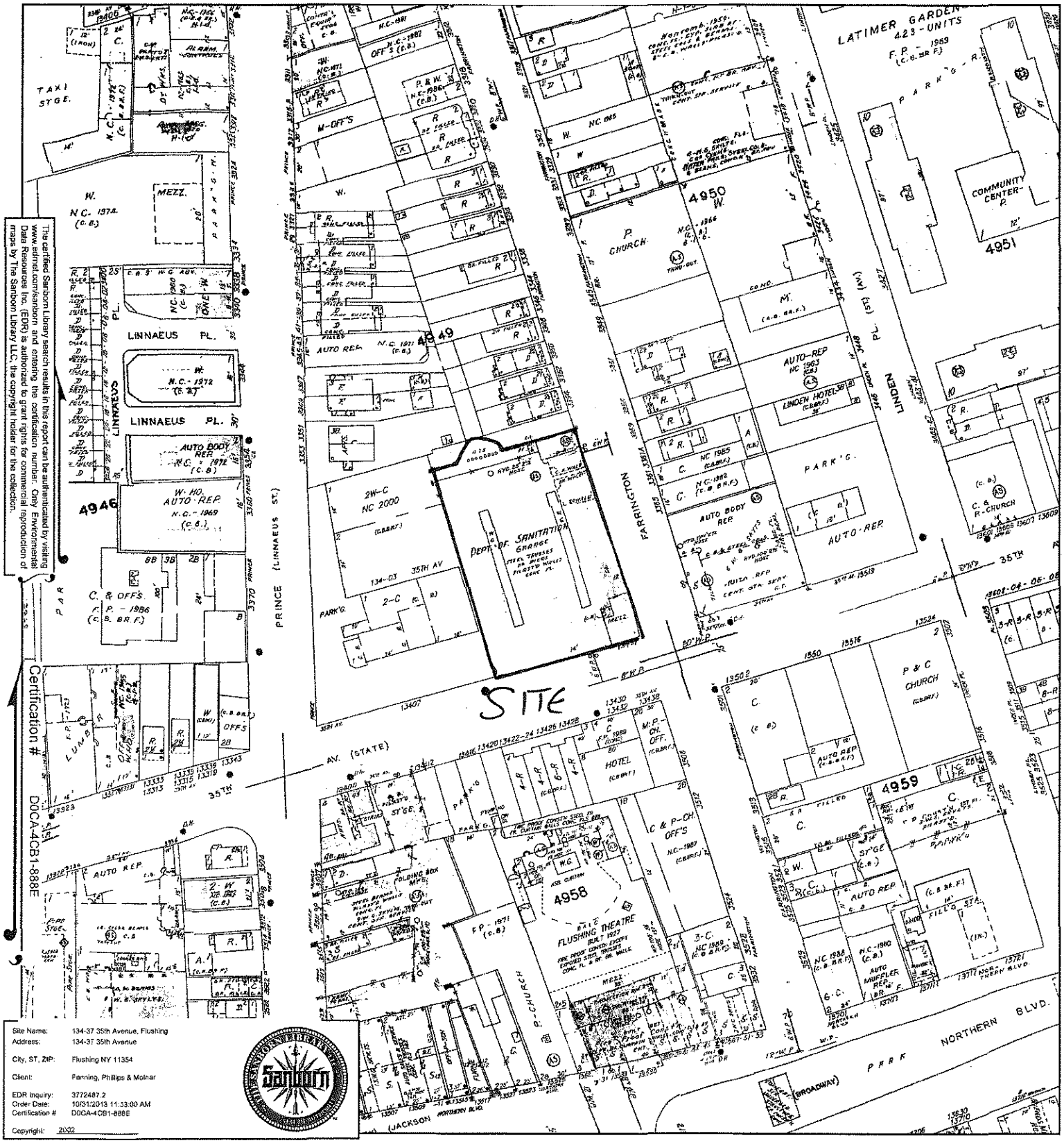
0 Feet 150 300 600

N

2002 Certified Sanborn Map



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Certification # D0CA-4CB1-888E

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	2002

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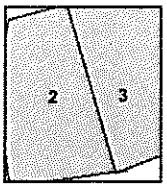

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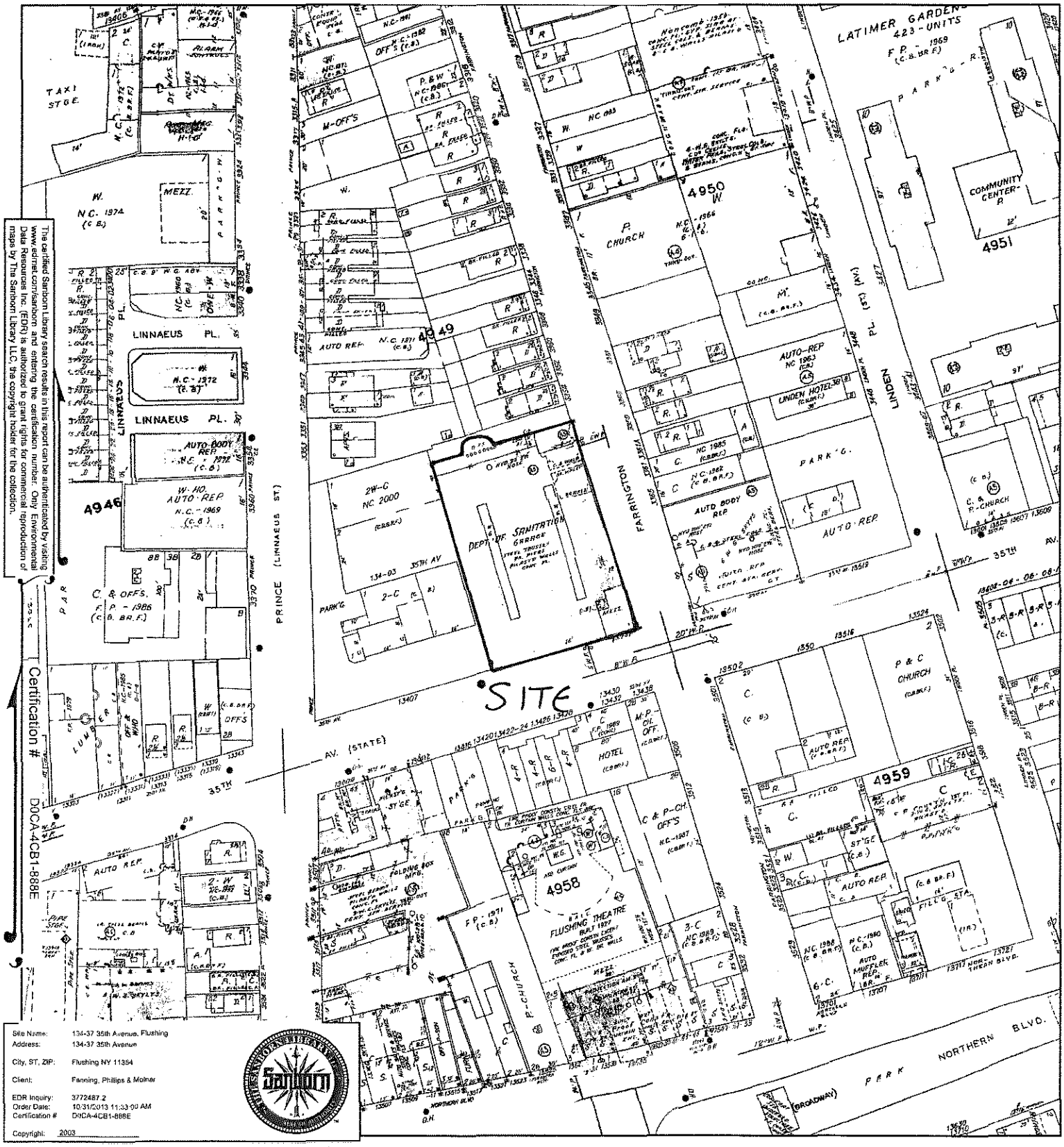
0 Feet 150 300 600

N

2003 Certified Sanborn Map



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Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	2003

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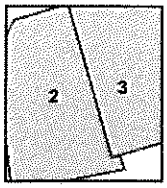

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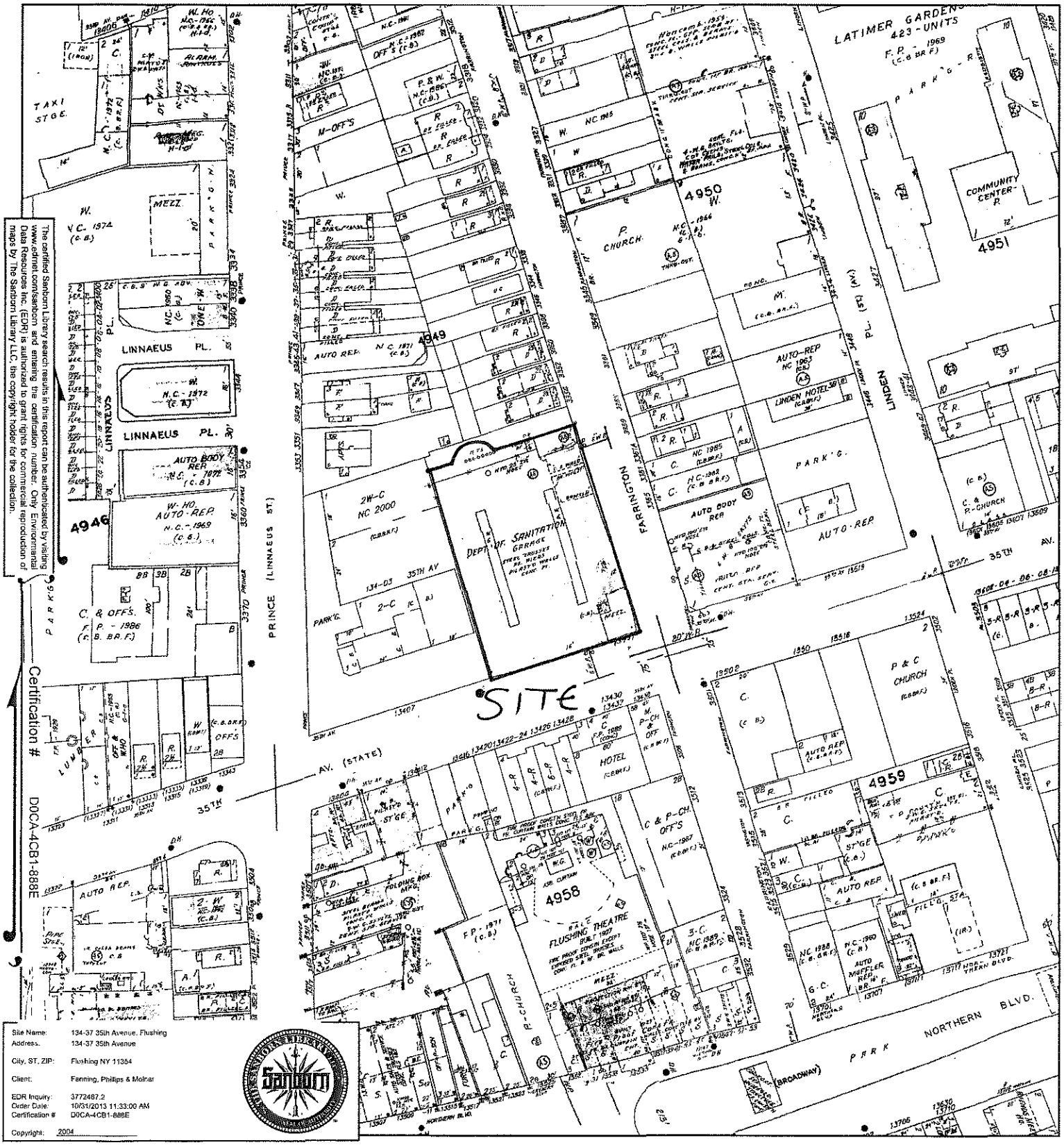
2004 Certified Sanborn Map



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Certification # D0CA-4CB1-88BE

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-88BE
Copyright:	2004

This Certified Sanborn Map combines the following sheets.
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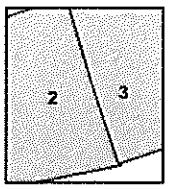
0 Feet 150 300 600



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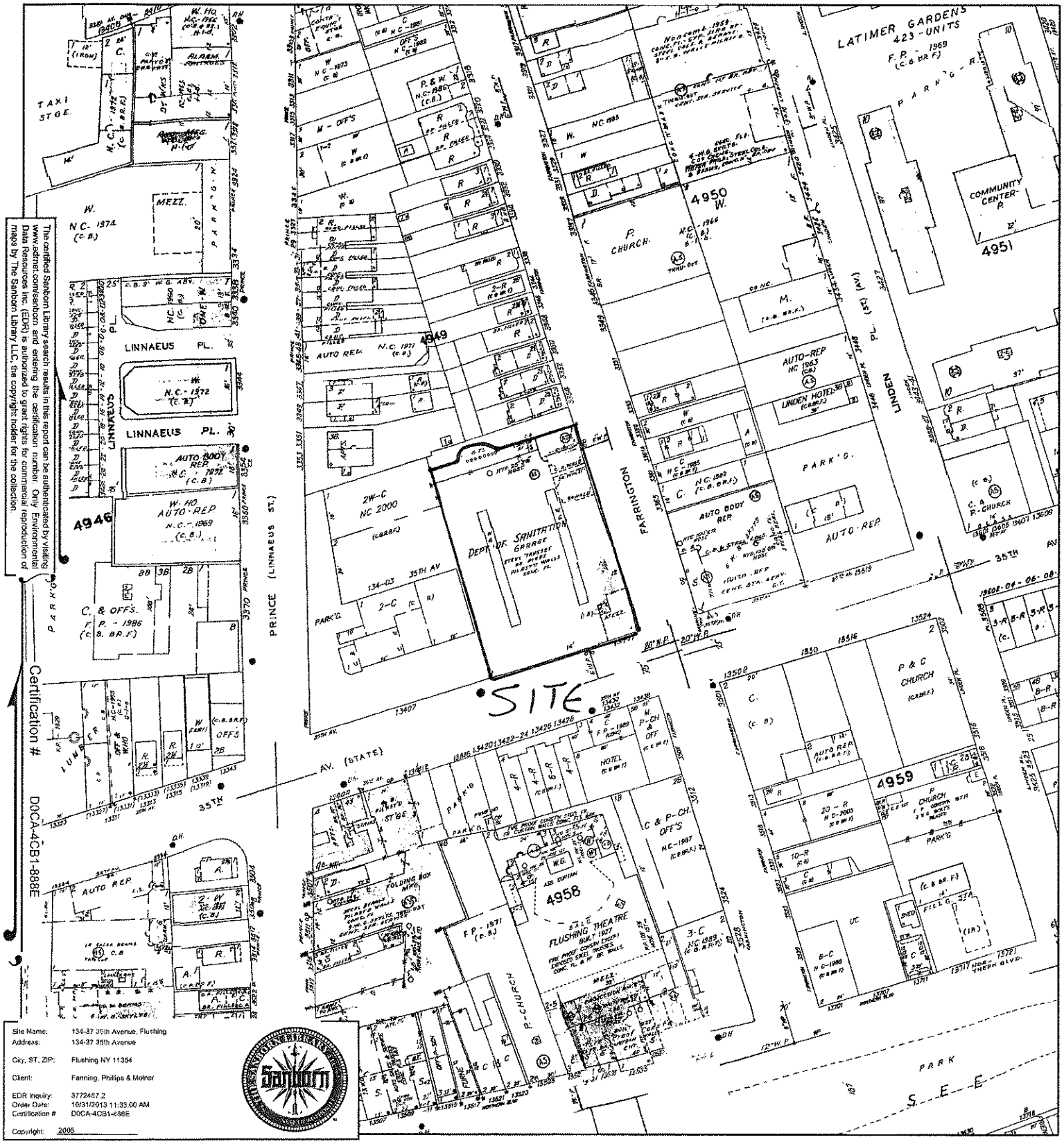
2005 Certified Sanborn Map



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Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	2005

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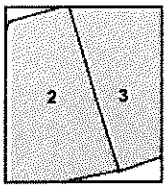

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0 Feet 150 300 600

N

2006 Certified Sanborn Map

Site Name:	134-37 35th Avenue, Flushing
Address:	134-37 35th Avenue
City, ST, ZIP:	Flushing NY 11354
Client:	Fanning, Phillips & Molnar
EDR Inquiry:	3772487.2
Order Date:	10/31/2013 11:33:00 AM
Certification #	D0CA-4CB1-888E
Copyright:	2006

This Certified Sanborn Map combines the following sheets.
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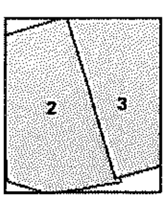

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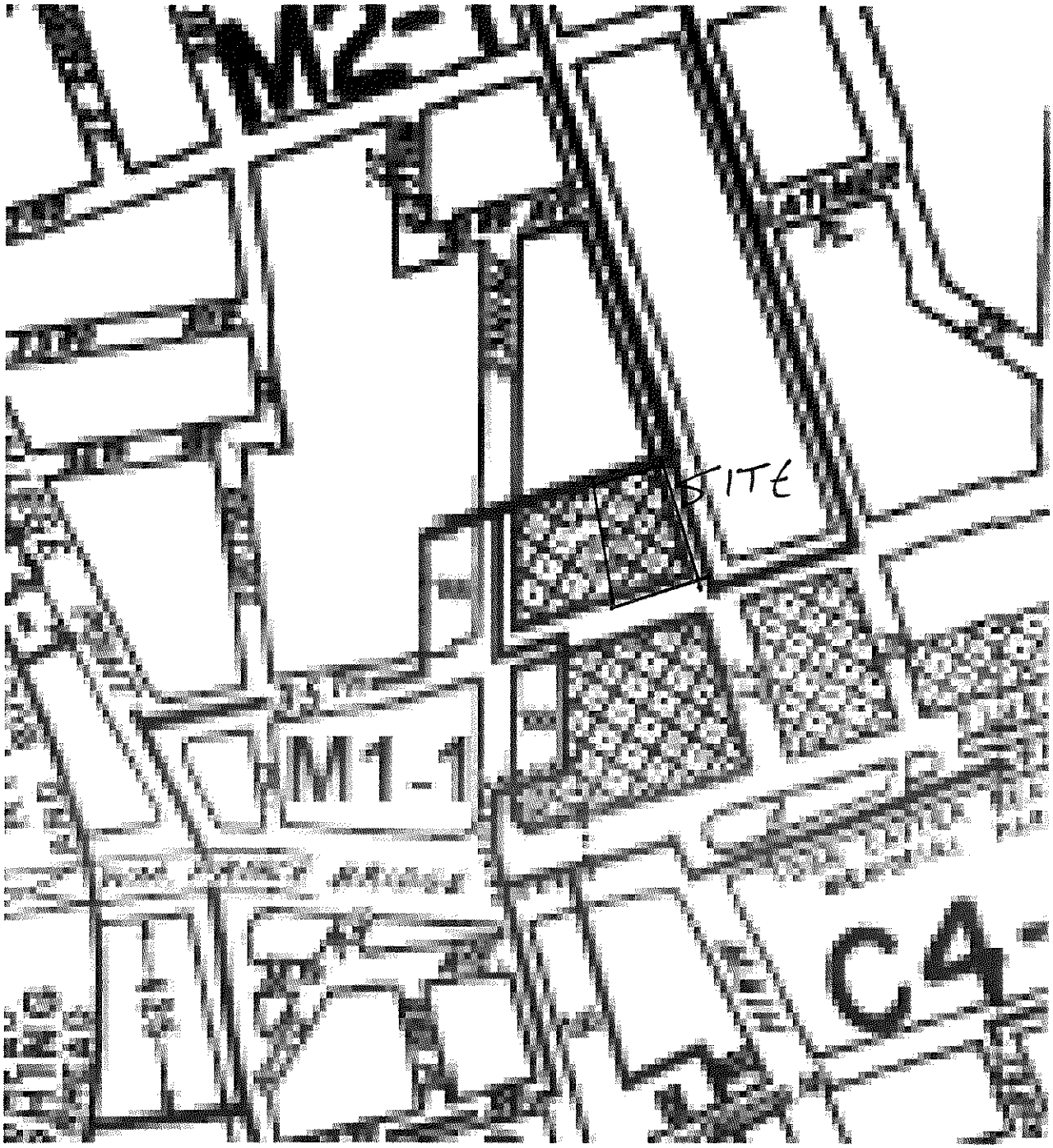
SITE


SITE
M1-1
C4

NYC BUILDINGS

Certificate of Occupancy

CO Number: **400727763F**

This certifies that the premises described herein conforms substantially to the approved plans and specifications and to the requirements of all applicable laws, rules and regulations for the uses and occupancies specified. No change of use or occupancy shall be made unless a new Certificate of Occupancy is issued. *This document or a copy shall be available for inspection at the building at all reasonable times.*

A.

Borough: Queens	**Block Number:** 04949	**Certificate Type:** Final
Address: 134-37 35TH AVENUE	**Lot Number(s):** 31	**Effective Date:** 12/18/2006
Building Identification Number (BIN): 4111983	**Building Type:** Altered	

For zoning lot metes & bounds, please see BISWeb.

B.

Construction classification:	2	**Number of stories:**	1
Building Occupancy Group classification:	COM	**Height in feet:**	18
Multiple Dwelling Law Classification:	None	**Number of dwelling units:**	0

C. **Fire Protection Equipment:**
None associated with this filing.

D. **Type and number of open spaces:**
None associated with this filing.

E. **This Certificate is issued with the following legal limitations:**
None

Borough Comments: None

Borough Commissioner

Commissioner

B Form 54 (Revised 03/05)

DOCUMENT CONTINUES ON NEXT PAGE

NYC BUILDINGS

Certificate of Occupancy

CO Number: 400727763F

Permissible Use and Occupancy

Floor From To	Maximum persons permitted	Live load lbs per sq. ft.	Building Code habitable rooms	Building Code occupancy group	Zoning dwelling or rooming units	Zoning use group	Description of use
CEL		OG					BOILER ROOM
MEZ	4	100		E		6E	SECURITY ROOMS NOTE: PARKING FOR 67 CARS FULLY ATTENDED
MEZ	28	100		F-4		6A	EATING & DRINKING ESTABLISHMENT WITH "NO DANCING" (REAR)
MEZ	11	100		E		6E	OFFICES
001	74	100		F-4		6A	EATING & DRINKING_ESTABLISHMENT WITH "NO DANCING" (RESTAURANT)
001	70	100		F-4		6A	EATING & DRINKING ESTABLISHMENT_WITH "NO DANCING" (REAR)
001	400	100		F-4		12A	EATING & DRINKING_ESTABLISHMENT WITH DANCING_(CABARET)
001	72	100		F-4		6A	EATING & DRINKING ESTABLISHMENT WITH "NO DANCING"(FRONT)

END OF SECTION

Borough Commissioner

Commissioner

END OF DOCUMENT

NYC Buildings

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NYC Department of Buildings

Complaints By Address

Click here for information on how to remove a Stop Work Order from your property

22 Total Complaints

View SWO Complaints BIN: 4111983

Looking for a list of complaint category codes or disposition codes?
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
4517641	134-37 35 AVENUE	06/05/2012	45	05/17/2012	B2	RES
4509222	134-37 35 AVENUE	03/08/2012	45	05/19/2012	A8	RES
4509131	134-37 35 AVENUE	03/07/2012	5A	05/09/2012	A8	RES
4505747	134-37 35 AVENUE	01/26/2012	45	04/06/2012	G5	RFR
4475315	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4475314	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4475313	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4475310	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4475300	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4475297	134-37 35 AVENUE	03/23/2011	59	03/23/2011	A1	RES
4157197	134-37 35 AVENUE	11/21/2002	31	11/20/2002	A9	RES
4098138	134-37 35 AVENUE	09/30/1999	05	10/05/1999	B1	RES
4098137	134-37 35 AVENUE	09/30/1999	73	09/17/2001	XX	RES
4079690	134-37 35 AVENUE	06/10/1998	31	07/08/1998	C2	CLS
4068060	134-37 35 AVENUE	07/31/1997	05	08/11/1997	I2	RES
4067173	134-37 35 AVENUE	07/10/1997	76	07/10/1997	H1	RES
4066659	134-37 35 AVENUE	06/30/1997	76	07/01/1997	I2	RES
4064718	134-37 35 AVENUE	05/22/1997	05	06/02/1997	I2	RES
4064726	134-37 35 AVENUE	05/22/1997	66	06/23/1997	C2	CLS
4064434	134-37 35 AVENUE	05/16/1997	66	05/16/1997	B1	RES
4064306	134-37 35 AVENUE	05/15/1997	05	05/22/1997	I2	RES
4064234	134-37 35 AVENUE	05/14/1997	76	05/15/1997	A5	RES

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Buildings

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NYC Department of Buildings

ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34955962Y

Severity: CLASS - 1

Certification Status: CERTIFICATE DISAPPROVED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINTON REALTY UNIT #CF

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 05/17/2012

Violation Type: CONSTRUCTION

Served Date: 06/06/2012

Inspection Unit: QUALITY OF LIFE

Infraction Codes	Section of Law	Standard Description
101	28-105.1	WORK WITHOUT A PERMIT

Specific Violation Condition(s) and Remedy:

WORK W/O A PERMIT,WORK NOTED: AT RIGHT SIDE FRONT REMOVED (1ST FL) ENTIRE KITCHEN (WATER & WASTE LINES & GAS LINES). ALSO REMOVED FULL HEIGHT PARTITIONS TO CREATE OPEN SPACE FOR A NAIL SUPPLY BUSINESS. (NOTE CO

Issuing Inspector ID: 2350

DOB Violation Number: 051712C07HS03

Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: CERTIFICATE DISAPPROVED

Compliance On:

Certification Submission Date: 10/24/2013

Certification Disapproval Date: 10/24/2013

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 07/24/2012

Hearing Status: IN VIOLATION

Scheduled Hearing Date: 07/24/2012 **Hearing Status:** IN VIOLATION

Hearing Time: 8:30

ECB Penalty Information

Penalty Imposed:	$1,600.00
Adjustments:	$0.00
Amount Paid:	$1,600.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On: 07/17/2012

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34955963X

Severity: CLASS - 2

Certification Status: CERTIFICATE DISAPPROVED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINTON REALTY UNIT # C

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 05/17/2012

Violation Type: CONSTRUCTION

Served Date: 06/06/2012

Inspection Unit: QUALITY OF LIFE

Infraction Codes	Section of Law	Standard Description
203	28-118.3.2	OCC CONTRARY TO THAT ALLOWED BY THE C OF O OR DOB RECORDS

Specific Violation Condition(s) and Remedy:

OCCUPANCY CONTRARY TO DOB RECORDS. DOB RECORDS CO #400727763 INDICATESPREMISES HAS A EATING & DRINKING ESTABLISHMENT AT 1ST FL (FRONT) FOR 72 PERSONS (A USE GROUP 6A) ILLEGAL OCCUPANCY NOTED: AT 1ST FL (FRONT)

Issuing Inspector ID: 2350

DOB Violation Number: 051712C07HS04

Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: CERTIFICATE DISAPPROVED

Compliance On:

Certification Submission Date: 10/31/2013

Certification Disapproval Date: 11/01/2013

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 07/24/2012

Hearing Status: IN VIOLATION

Scheduled Hearing Date:	07/24/2012	**Hearing Status:**	IN VIOLATION
Hearing Time:	8:30		

ECB Penalty Information

Penalty Imposed:	$1,200.00
Adjustments:	$4.14
Amount Paid:	$1,204.14
Penalty Balance Due:	$0.00
Court Docket Date:	10/31/2012

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On:	07/24/2012

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NYC Department of Buildings

ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34956498Y

Severity: CLASS - 2

Certification Status: CERTIFICATE DISAPPROVED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINGTON REALTY/# CFA

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 05/19/2012

Violation Type:

Served Date: 05/19/2012

Inspection Unit: QUALITY OF LIFE

Infraction Codes	Section of Law	Standard Description
201	28-105.1	WORK WITHOUT A PERMIT

Specific Violation Condition(s) and Remedy:

WORK W/O A PERMIT. WORK NOTED: AT CORNER OF INTERIOR EXP 1, 4 PARTITIONS ERECTED APPROX 30' WIDE BY 50' LENGTH AND 14' HEIGHT ENCLOSING SECTION OF PARKING SPACE, CREATE. REMEDY: OBTAIN PERMIT.

Issuing Inspector ID: 2269

DOB Violation Number: 051912C07RM08

Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: CERTIFICATE DISAPPROVED

Compliance On:

Certification Submission Date: 10/31/2013

Certification Disapproval Date: 11/01/2013

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 07/24/2012

Hearing Status: IN VIOLATION

Hearing Time:	8:00

ECB Penalty Information

Penalty Imposed:	$800.00
Adjustments:	$0.00
Amount Paid:	$800.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On:	07/24/2012

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NYC Department of Buildings

ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34971494M

Severity: CLASS - 2

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINTON REALTY UNIT #CF

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 08/01/2012

Violation Type:

Served Date: 08/01/2012

Inspection Unit: SPECIAL OPERATIONS

Infraction Codes	Section of Law	Standard Description
263	263 - UNKNOWN	

Specific Violation Condition(s) and Remedy:

FAILURE TO COMPLY WITH THE COMMISSIONER'S ORDER TO FILE A CERT OF CORRECTION WITH THE DOB FOR NOTICE OF VIOLATION #34955962Y ISSUED ON 5/17/12 PURSUANT TO 28-204.4 & 1RCNY 102-01. REM:FILE A CERT OF CORRECTION.

Issuing Inspector ID: 1904

DOB Violation Number: 8112ASTFMS01

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 1

Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED

Compliance On:

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 09/18/2012

Hearing Status: IN VIOLATION

Hearing Time:	8:30

ECB Penalty Information

Penalty Imposed:	$800.00
Adjustments:	$0.00
Amount Paid:	$800.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On:	11/27/2012

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34958401H

Severity: CLASS - 2

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINTON REALTY

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 07/21/2012

Violation Type: CONSTRUCTION

Served Date: 07/21/2012

Inspection Unit: SPECIAL OPERATIONS

Infraction Codes	Section of Law	Standard Description
202	28-301.1	FAILURE TO MAINTAIN BLDG IN CODE-COMPLIANT MANNER

Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN. NOTE: WOOD ROOF DECKING IS ROTTED & IN DISREPAIRW/OPEN AREAS ABOVE INTERIOR GARAGE. REMEDY: MAINTAIN BLDG.

Issuing Inspector ID: 1904

DOB Violation Number: 072112CSTFMS07

Issued as Aggravated Level: AGGRAVATED OFFENSE LEVEL 1

Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED

Compliance On:

Certification Submission Date: 07/31/2012

Certification Disapproval Date: 08/07/2012

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 09/04/2012

Hearing Status: IN VIOLATION

Hearing Time:	8:30

ECB Penalty Information

Penalty Imposed:	$675.00
Adjustments:	$0.00
Amount Paid:	$675.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On:	09/04/2012

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ECB Violation Details

Premises: 134-37 35 AVENUE QUEENS

Filed At: 134-37 35 AVENUE , QUEENS , NY 11354

BIN: 4111983 **Block:** 4949 **Lot:** 31

Community Board: 407

ECB Violation Summary

VIOLATION OPEN

ECB Violation Number: 34939904X

Severity: CLASS - 1

Certification Status: CERTIFICATE DISAPPROVED

Hearing Status: IN VIOLATION

Penalty Balance Due: $0.00

Respondent Information

Name: FARRINTON REALTY

Mailing Address: 35-06 LEAVITT STREET , FLUSHING , NY 11354

Violation Details

Violation Date: 05/09/2012

Violation Type: CONSTRUCTION

Served Date: 05/09/2012

Inspection Unit: QUEENS CONSTRUCTION

Infraction Codes	Section of Law	Standard Description
104	28-302.1	FAILURE TO MAINTAIN BLDG WALL(S) OR APPURTENANCES

Specific Violation Condition(s) and Remedy:

FAILURE TO MAINTAIN NOTED:PREMISES IS 1 STORY COMMERCIAL BUILDING OCCUPIED AS BAR & GARAGE APPROX 200'-0 X 200'-0. ROOF STRUCTURE IS DETERIORATING ROTTEN ROOF BOARDS HOLES THROUGHOUT. REM:REPAIR ROOF.

Issuing Inspector ID: 2284

DOB Violation Number: 050912C07XZ01

Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: CERTIFICATE DISAPPROVED

Compliance On:

Certification Submission Date: 10/24/2013

Certification Disapproval Date: 10/24/2013

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 07/24/2012

Hearing Status: IN VIOLATION

Scheduled Hearing Date: 07/24/2012 **Hearing Status:** IN VIOLATION

Hearing Time: 8:00

ECB Penalty Information

Penalty Imposed:	$1,000.00
Adjustments:	$0.00
Amount Paid:	$1,000.00
Penalty Balance Due:	$0.00

ECB Violation History

Compliance Events

Hearing Events

Hearing Assigned On: 06/04/2012

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DOB Violations

Premises: 134-37 35 AVENUE QUEENS BIN: 4111983 Block: 4949 Lot: 31

NUMBER	TYPE	FILE DATE
V* 062893LL629114308	DOB VIOLATION - DISMISSED	06/28/1993
V* 060794LL629105396	DOB VIOLATION - DISMISSED	06/07/1994
V* 021097LL629136542	DOB VIOLATION - DISMISSED	02/10/1997
V* 091697LL6291265213	DOB VIOLATION - DISMISSED	09/16/1997
V* 050498LL629132666	DOB VIOLATION - DISMISSED	05/04/1998
VP* 051697PPL/07/FD/01	VIOLATION UNSERVED ECB- DISMISSED	05/16/1997
VP* 051697PPL/07/GS/01	VIOLATION UNSERVED ECB- DISMISSED	05/16/1997
V* 031699LL629128007	DOB VIOLATION - DISMISSED	03/16/1999
VW* 100599CZ0706DS	VIOLATION - WORK W/O PERMIT DISMISSED	10/05/1999
V* 020700LL629128253	DOB VIOLATION - DISMISSED	02/07/2000
V* 022701LL629127930	DOB VIOLATION - DISMISSED	02/27/2001
V* 032602LL629129041	DOB VIOLATION - DISMISSED	03/26/2002
V* 031903LL629127434	DOB VIOLATION - DISMISSED	03/19/2003
V* 021304LL629126027	DOB VIOLATION - DISMISSED	02/13/2004
V* 013105LL629124513	DOB VIOLATION - DISMISSED	01/31/2005
V* 010606LL629123236	DOB VIOLATION - DISMISSED	01/06/2006
V* 080812AEUHAZ100287	DOB VIOLATION - DISMISSED	08/08/2012
V 090512AEUHAZ100235	DOB VIOLATION - ACTIVE	09/05/2012

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ECB Query By Location

Premises: 134-37 35 AVENUE QUEENS

BIN: 4111983 **Block:** 4949 **Lot:** 31 **CB:** 407

Dept. of Buildings Violations & Compliance	
Total Issued = 28	Open (Non-Compliance) = 6

ECB Hearings	
Completed / Defaulted = 28	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34971494M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	FARRINTON REALTY UNIT #CF **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	08/01/2012	263	$0.00
34958401H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	FARRINTON REALTY **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	07/21/2012 **Viol Type:** CONSTRUCTION	202	$0.00
34939904X	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 1	FARRINTON REALTY **Inspect Unit:** QUEENS CONSTRUCTION	IN VIOLATION	05/09/2012 **Viol Type:** CONSTRUCTION	104	$0.00
34955962Y	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 1	FARRINTON REALTY UNIT #CF **Inspect Unit:** QUALITY OF LIFE	IN VIOLATION	05/17/2012 **Viol Type:** CONSTRUCTION	101	$0.00
34955963X	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	FARRINTON REALTY UNIT # C **Inspect Unit:** QUALITY OF LIFE	IN VIOLATION	05/17/2012 **Viol Type:** CONSTRUCTION	203	$0.00
34956498Y	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	FARRINGTON REALTY/# CFA **Inspect Unit:** QUALITY OF LIFE	IN VIOLATION	05/19/2012	201	$0.00
34148011H	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	CURED/IN-VIO	05/15/1997 **Viol Type:** CONSTRUCTION	B27	$0.00
34148009Z	RESOLVED - CERTIFICATE ACCEPTED **Severity:** HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/15/1997 **Viol Type:** CONSTRUCTION	B40	$0.00
34148007P	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/16/1997 **Viol Type:** CONSTRUCTION	B04	$0.00

34148008R	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/16/1997 **Viol Type:** CONSTRUCTION	B04	$0.00
34148010X	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/15/1997 **Viol Type:** CONSTRUCTION	B04	$0.00
34148450J	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/16/1997 **Viol Type:** PLUMBING	BA2	$0.00
34148006N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	NOVA PLUMBING & HEATIN	IN VIOLATION	05/16/1997 **Viol Type:** CONSTRUCTION	B43	$0.00
34369189Y	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	MARK GINSBERY **Inspect Unit:** QUEENS CONSTRUCTION	DEFAULT	11/20/2002 **Viol Type:** CONSTRUCTION	B02	$2,320.00
34369191N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	MARK GINSBERG **Inspect Unit:** QUEENS CONSTRUCTION	DEFAULT	11/20/2002 **Viol Type:** PUBLIC ASSEMBLY	BG1	$2,250.00
34148449M	RESOLVED - CERTIFICATE ACCEPTED **Severity:** HAZARDOUS	YUN CHANG	DEFAULT	05/15/1997 **Viol Type:** PLUMBING	B8N	$0.00
34432108M	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	FARRINGTON MANOR RESTURAN **Inspect Unit:** EMERGENCY RESPONSE TEAM (ERT)	IN VIOLATION	05/07/2004 **Viol Type:** CONSTRUCTION	B02	$350.00
34432109Y	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	FARRINGTON MANOR RESTURAN **Inspect Unit:** EMERGENCY RESPONSE TEAM (ERT)	IN VIOLATION	05/07/2004 **Viol Type:** PUBLIC ASSEMBLY	BG1	$500.00
34443972Z	RESOLVED - N/A - DISMISSED **Severity:** HAZARDOUS	FARRINGTON REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	DISMISSED	07/24/2004 **Viol Type:** CONSTRUCTION	BH7	$0.00
34438702M	RESOLVED - CERTIFICATE ACCEPTED **Severity:** HAZARDOUS	FARRINGTON REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	06/19/2004 **Viol Type:** PUBLIC ASSEMBLY	B81	$0.00
34438703Y	RESOLVED - CERTIFICATE ACCEPTED **Severity:** HAZARDOUS	FARRINGTON REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	06/19/2004 **Viol Type:** CONSTRUCTION	B5C	$0.00
34438704X	RESOLVED - CERTIFICATE ACCEPTED	FARRINGTON REALTY LLC	STIPULATION/IN-VIO	06/19/2004	B02	$0.00

	Severity: NON-HAZARDOUS	**Inspect Unit:** SPECIAL OPERATIONS		**Viol Type:** CONSTRUCTION		
34443970P	RESOLVED - CERTIFICATE ACCEPTED	FARRINGTON REALTY LLC	IN VIOLATION	07/24/2004	B69	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** SPECIAL OPERATIONS		**Viol Type:** PUBLIC ASSEMBLY		
34443973K	RESOLVED - CERTIFICATE ACCEPTED	FARRINGTON REALTY LLC	IN VIOLATION	07/24/2004	B66	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** SPECIAL OPERATIONS		**Viol Type:** PUBLIC ASSEMBLY		
34451214J	RESOLVED - CERTIFICATE ACCEPTED	FARRINGTON REALTY LLC	IN VIOLATION	09/19/2004	B10	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** SPECIAL OPERATIONS		**Viol Type:** CONSTRUCTION		
34369190L	RESOLVED - CERTIFICATE ACCEPTED	MARK GINSBERG	WRITTEN OFF	11/20/2002	B65	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** QUEENS CONSTRUCTION		**Viol Type:** PUBLIC ASSEMBLY		
34432107K	RESOLVED - CERTIFICATE ACCEPTED	FARRINGTON MANOR RESTAURA	IN VIOLATION	05/07/2004	B65	$250.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** EMERGENCY RESPONSE TEAM (ERT)		**Viol Type:** PUBLIC ASSEMBLY		
34956497M	RESOLVED - N/A - DISMISSED	FARRINGTON REALTY/II CFA	DISMISSED	05/19/2012	203	$0.00
	Severity: CLASS - 2	**Inspect Unit:** QUALITY OF LIFE		**Viol Type:** CONSTRUCTION		

Compliance Status (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB Hearing Status and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	**ECB Hearing Status**
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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Job Overview

Premises: 134-37 35 AVENUE QUEENS **BIN: 4111983 Block: 4949 Lot: 31**

To start overview at new date, select Month: Day: Year:

Show All BIS Job Types | Show All Filings | APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
	400727763	08	A1	A PRE-FILED	12/02/2003	0059634 PE	WEI		NOT APPLICABLE
	DOC WITHDRAWN 12032003 Work on Floor(s): 1								
	400727763	10	A1	A PRE-FILED	01/26/2004	0068029 PE	CHON		NOT APPLICABLE
	DOC WITHDRAWN 01312006 Work on Floor(s): 1								
01/23/1997	400706394	01	A2	X SIGNED OFF	06/10/1997	0068029 PE	CHON		NOT APPLICABLE
	REFURBISH EXISTING PUBLIC GARAGE INCLUDI NG MINOR DEMOLITION , STORE FRO Work on Floor(s): 001,ROF								
03/11/1997	400727763	01	A1	X SIGNED OFF	12/18/2006	0059634 PE	WEI		NOT APPLICABLE
	TO OBTAIN NEW C OF O EATING AND DRINKING W/DANCING (U.G.12) AND RETAIL S Work on Floor(s): 1								
05/01/1997	400740310	01	A2	X SIGNED OFF	06/12/2006	0062199 PE	SHINFELD		NOT APPLICABLE
	REFURBISH EATING AND DRINKING PLACE W/DA NCING (BIS #400727763) .INCLUDI Work on Floor(s): 001,MEZ,ROF								
05/29/1997	400744664	01	A2	X SIGNED OFF	07/10/1998	0051094 PE	KATZ		NOT APPLICABLE
	INSTALLATION OF FIRE ALARM SYSTEM TO COM PLY TO LOCAL LAW # 41/78. Work on Floor(s): 001,MEZ								
06/27/1997	400752404	01	A3	X SIGNED OFF	08/29/2005	0062199 PE	SHINFELD		NOT APPLICABLE
	SUBMIT FIRE PROTECTION PLAN FOR EATING , DRINKING WITH DANCING ESTABLIS Work on Floor(s): 001,ROF								

07/25/1997	**400761476**	01	PA	U COMPLETED	11/02/2006	0059634 PE	WEI	NOT APPLICABLE

BIG BROTHERS INTERNATIONAL
Work on Floor(s): 001,MEZ

04/22/1998	**400727763**	02	A1	P APPROVED	04/22/1998	0059634 PE	WEI	NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

05/06/1998	**400853965**	01	A3	P APPROVED	06/08/1998	0059634 PE	WEI	NOT APPLICABLE

JOB WITHDRAWN 03062006
Work on Floor(s): 1

05/06/1998	**400853974**	01	A3	X SIGNED OFF	03/03/2006	0059634 PE	WEI	NOT APPLICABLE

Work on Floor(s): OG

05/14/1998	**400844011**	01	A2	R PERMIT-ENTIRE	06/25/1998	0068029 PE	CHON	NOT APPLICABLE

JOB WITHDRAWN 05162006 ESTABLISHMENT OF NEW DELI WITH NEW COOKI NG EQUIPME
Work on Floor(s): 1

07/02/1998	**400727763**	03	A1	P APPROVED	07/02/1998	0068029 PE	CHON	NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

07/02/1998	**400727763**	04	A1	P APPROVED	07/02/1998	0068029 PE	CHON	NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

07/02/1998	**400727763**	05	A1	P APPROVED	07/02/1998	0068029 PE	CHON	NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

07/28/1998	**400844011**	02	A2	P APPROVED	07/28/1998	0068029 PE	CHON	NOT APPLICABLE

DOC WITHDRAWN 05162006
Work on Floor(s): 1

07/30/1998	**400761476**	02	PA	P APPROVED	07/30/1998	0068029 PE	WEI	NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 001,MEZ

11/29/1999	**401045659**	01	A2	X SIGNED OFF	05/10/2006	0068029 PE	CHON	NOT APPLICABLE

TO ESTABLISH EATING AND DRINKING PLACE.
Work on Floor(s): 001

02/14/2003 **400727763** 06 A1 P APPROVED 03/12/2003 0068029 PE CHON NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

04/18/2003 **400761476** 03 PA D A/P ENTIRE 04/22/2003 0059634 PE WEI NOT APPLICABLE

DOC WITHDRAWN 07262006
Work on Floor(s): 001,MEZ

08/01/2003 **400727763** 07 A1 D A/P ENTIRE 01/24/2006 0059634 PE WEI NOT APPLICABLE

DOC WITHDRAWN 01252006
Work on Floor(s): 1

12/03/2003 **400727763** 09 A1 D A/P ENTIRE 01/15/2004 0059634 PE WEI NOT APPLICABLE

DOC WITHDRAWN 01252006
Work on Floor(s): 1

12/03/2003 **400761476** 04 PA P APPROVED 01/13/2004 0059634 PE WEI NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 001,MEZ

01/26/2004 **400727763** 11 A1 P APPROVED 01/29/2004 0059634 PE WEI NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

09/07/2004 **402002186** 01 A2 X SIGNED OFF 01/27/2006 0051094 PE KATZ NOT APPLICABLE

MODIFY EXISTING FIRE ALARM SYSTEM INSTAL LED FOR LOCAL LAW 41/78 (CABARE
Work on Floor(s): 001

02/17/2005 **400740310** 02 A2 P APPROVED 10/06/2005 0062199 PE SHINFELD NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 001,MEZ,ROF

11/04/2005 **400740310** 03 A2 P APPROVED 12/06/2005 0062199 PE SHINFELD NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01

Work on Floor(s): 001,MEZ,ROF

02/01/2006 **400727763** 12 A1 J P/E DISAPPROVED 03/03/2006 0059634 PE WEI NOT APPLICABLE

DOC WITHDRAWN 03092006

Work on Floor(s): 1

03/10/2006 **400727763** 13 A1 P APPROVED 03/29/2006 0059634 PE WEI NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

03/30/2006 **401045659** 02 A2 P APPROVED 04/11/2006 0068029 PE CHON NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 001

04/17/2006 **401045659** 03 A2 P APPROVED 04/18/2006 0068029 PE CHON NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 001

07/17/2006 **400727763** 14 A1 P APPROVED 07/27/2006 0059634 PE WEI NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01
Work on Floor(s): 1

07/26/2006 **400761476** 05 PA P APPROVED 07/31/2006 0059634 PE WEI NOT APPLICABLE

POST APPROVAL AMENDMENT FOR 01 BIG BROTHERS INTERNATIONAL
Work on Floor(s): 001,MEZ

03/27/2009 **420037659** 01 A2 X SIGNED OFF 05/11/2009 0017489 RA HURT, JR NOT APPLICABLE

MODIFY EXISTING AUTOMATIC FIRE SUPPRESSION SYSTEM (JOB#401045659) IN THE
Work on Floor(s): 001

04/06/2011 **420340660** 01 A2 P APPROVED 05/25/2011 0030647 RA LEE NOT APPLICABLE

INTERIOR RENOVATION AT EXISTING RESTAURANT INCLUDING HOOD DUCT AND PLUMBIN
Work on Floor(s): 001,ROF

04/19/2013 **420836046** 01 DM Q PERMIT-PARTIAL 11/06/2013 0080350 PE SOLTANIZ NOT APPLICABLE

DEMOLITION FOR HIGH ONE STORY BRICK GARAGE BY MECHANICAL MEANS AND METHODS
Work on Floor(s): OSP

09/13/2013 **420892323** 01 NB J P/E DISAPPROVED 09/24/2013 0015817 RA CHAN **PENDING**

NEW BUILDING
Work on Floor(s): SC1,SC2,CEL 001 thru 015

10/21/2013 **440111344** 01 A3 R PERMIT-ENTIRE 10/29/2013 0066791 PE PARIHAR NOT APPLICABLE

PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR REMEDIAL REPAI
Work on Floor(s): OSP

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Actions

Premises: 134-37 35 AVENUE QUEENS BIN: 4111983 Block: 4949 Lot: 31

NUMBER	TYPE	FILE DATE
ALT 5303-30	ALTERATION	01/01/1930
ALT 761-31	ALTERATION	01/01/1931
ALT 1375-31	ALTERATION	01/01/1931
ALT 6902-31	ALTERATION	01/01/1931
ALT 2411-33	ALTERATION	01/01/1933
ALT 6333-34	ALTERATION	01/01/1934
ALT 5676-34	ALTERATION	01/01/1934
ALT 5612-34	ALTERATION	01/01/1934
ALT 47-98*	ALTERATION	01/01/1997
C0 0045029		00/00/0000
C0 0002395		00/00/0000
DEM 1926-26	DEMOLITION	00/00/0000
DEM 2018-30	DEMOLITION	00/00/0000
MISC 1898-50	MISCELLANEOUS	01/01/1950
MISC 143-78	MISCELLANEOUS	01/01/1978
MISC 542-79	MISCELLANEOUS	01/01/1979
MISC 216-80	MISCELLANEOUS	01/01/1980
NB 404-05	NEW BUILDING	01/01/1900
NB 745-06	NEW BUILDING	01/01/1906
NB 2058-06	NEW BUILDING	01/01/1906
NB 1448-07	NEW BUILDING	01/01/1907
NB 2151-10	NEW BUILDING	01/01/1910
NB 5500-21	NEW BUILDING	01/01/1921
NB 16177-24	NEW BUILDING	01/01/1924
NB 4441-30	NEW BUILDING	01/01/1930

Next

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

FPM File No 1135g-13-01

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

George Holmes c/o FPM Group
Name

909 Marcus Avenue
Address

Rockville Centre, NY 11779
State Zip Code

631-737-6200 x242
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials:

Searched By:

Total Amount:

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department and a stamped self-addressed envelope (with postage).** Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

SECTION B **FUEL TANK REPORT - FEE $10.00 / PER REPORT**

134-37 35th Avenue (Block 4949, Lot 31) Queens
House Number Street Name Borough

- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [x] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] MOST RECENT TANK / PIPING TEST RESULTS
- [x] HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Fire Records Section

9 MetroTech Center

Brooklyn, New York 11201-3857

(718) 999-2681 or 2682

Violation Special Report

Request Form

FPM File No 1135g-13-01

SECTION A **CUSTOMER INFORMATION**

Please print the required information below.

George Holmes c/o FPM Group
Name

909 Marconi Avenue
Address

Ronkonkoma, NY 11779
State Zip Code

631-737-6200 x242
Telephone Number

OFFICE USE ONLY

Cashier / Search No.

PRU Staff
Accepted By/Initials:

Searched By:

Total Amount:

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department and a stamped self-addressed envelope (with postage).** Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

SECTION B **REQUEST VIOLATION REPORT** **FEE $10.00 / PER REPORT**

Please print the required information below.

House No	Street Name	Floor(s)	Apt(s)	Borough	Box #
134-37	35th Avenue (Block 4949, Lot 31)			Queens	

☒ EXISTING- ALL NOTICES OF VIOLATION AND VIOLATION ORDERS ISSUED BY THE FIRE PREVENTION

☐ DISMISSED- ALL NOTICES OF VIOLATION AND VIOLATION ORDERS ISSUED BY FIRE PREVENTION

☒ EXISTING- ALL SUMMONSES

☐ DISMISSED- ALL SUMMONSES

Note: A "dismissed" status means that the condition no longer exists, according to agency records. Also, please be advised that this search will not include records manually kept by Fire or Engine Companies.

Note: Requests will be responded to within 10 business days.

PR4 (July-08)

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

FPM File No 1135g-13-01

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373 or fax to (718) 595-6543

PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):

- ☐ Executive
- ☐ General Counsel
- ☐ Agency Chief Contracting Office
- ☐ Bureau of Customer Services (Water Bills)
- ☒ Bureau of Environmental Compliance
- ☒ Asbestos
- ☒ Hazardous Materials
- ☒ Air & Noise
- ☒ Environmental Control Board
- ☐ Bureau of Environmental Engineering
- ☒ Office of Environmental Planning and Assessment
- ☒ Bureau of Wastewater Treatment
- ☒ Sewer discharge violations
- ☐ Bureau of Water and Sewer Operations
- ☒ Water Records
- ☒ Sewer Records
- ☐ Bureau of Water Supply
- ☐ Water Quality
- ☐ DEP Police
- ☐ _____

I hereby apply to ☒ inspect or ○ receive copies of the following records (use additional sheets as needed and attach):

ALL AVAILABLE RECORDS PERTAINING TO THE FOLLOWING PROPERTY:
134-37 35th Avenue (Block 4949 Lot 31)
Flushing, NY 11354

Name: George Holmes Phone: (631) 737-6200 E-Mail: g.holmes@fpm-group.com
Firm: FPM Group
Address: 909 Marconi Avenue, Ronkonkoma, NY 11779
Signature: [signature] Date: October 31, 2013

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

• •APPROVED • APPROVED IN PART - - To arrange for access to the records, please contact:

_____ _____ _____
(Department Representative) (Bureau) (Phone No.)

Number of Pages:_____ x$.25 per page = Cost:_____

• •DENIED • •DENIED IN PART - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

- Not described in sufficient detail
- Not maintained by this Department
- After search, no records responsive to request located
- (Other)_____

LOG NO.:_____

(Department Representative) **(Bureau)** **(Date)**

• • •Fee Waived • • •Check/M.O. received • • •Check/M.O. requested DOC# 050303

FPM group _____ Engineering and Environmental Science

FPM Group, Ltd.
FPM Engineering Group, P.C.
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS
909 Marconi Avenue
Ronkonkoma, NY 11779
631/737-6200
Fax 631/737-2410

VIA FAX

October 31, 2013

Ms. Renee Bryant
FOIA Officer
NYCDOH
125 Worth Street
New York, NY

Re: **Phase I Environmental Site Assessment for a Property located in Queens, New York**
FPM File No. 1135g-13-01

Dear Ms. Bryant:

In accordance with the Freedom of Information Act (FOIA), this is a written request to review all files at the NYCDOH for the following property located in **Queens**:

- 134-37 35th Avenue (Block 4949, Lot 31)

Specifically, I am requesting files pertaining to hazardous/toxic/chemical waste storage and disposal, violations, spills, under/above ground storage tanks, remediation, sampling, sanitation, or any other environmental concerns at this property.

Please confirm no other divisions maintain files for these properties and contact me as soon as this information becomes available for my review. Thank you for your prompt attention to this request.

Sincerely,

George Holmes
Hydrogeologist

GH:tac

S:\United Construction\134-37 35th Ave Flushing\NYCDOH.LET.docx

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD MPH
Commissioner

RECEIVED
NOV 12 2013

11/6/2013

FPM Group
909 Marconi Avenue
Ronkonkoma, NY 11779
Attention: *George Holmes*

Re: *134-37 35th Ave., Queens*
Control #: *2013FR03034*

The New York City Department of Health and Mental Hygiene acknowledges receipt of your Freedom of Information Law request. It has been assigned the above-noted control number and has been forwarded to the following bureau or office for processing:

Bureau / Office

[ ] Lead Poisoning Prevention
Ben DelPercio
(646) 632-6006

[X] Environmental Health Services
Dylsia Tapia or Shirley Wiley
(646) 632-6494

[ ] Contract Services
Ellen Rieser
(347) 396-6629

[ ] Bureau of Human Resources
Ana Perez
(347) 396-2108

[ ] Communicable Diseases
Beth Nivin
(347) 396-2616

[ ] Other _____

You should receive a response from the program/bureau within twenty(20) business days. Please note that responses are provided electronically whenever possible, and that there is a fee of 25 cents per page for copies of records not available electronically. You will be advised by the program/bureau of the fee that is due and, upon receipt of your payment by check or money order, the copies will be forwarded to you.

All inquiries about the status of your request should be made with the program/bureau noted.

Sincerely,

Chari Anhouse, Esquire
Records Access Officer
42-09 28th Street, CN31
Long Island City, NY 11101
347-396-6078/6116(P)
347-396-6088(F)
recordsaccess@health.nyc.gov

a-File

FPM group Engineering and Environmental Science

FPM Group, Ltd.
FPM Engineering Group, P.C.
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS
909 Marconi Avenue
Ronkonkoma, NY 11779
631/737-6200
Fax 631/737-2410

VIA EMAIL

October 31, 2013

FOI Officer
NYSDEC – Region 2
Attn: Fawzy I. Abdelsadek

Re: **Phase I Environmental Site Assessment for a Property located in Queens, New York**
FPM File No. 1135g-13-01

Dear Fawzy:

In accordance with the Freedom of Information Act (FOIA), this is a written request to review all files at the NYSDEC for the following property located in **Queens**:

- 134-37 35th Avenue (Block 4949, Lot 31)

Specifically, I am requesting files pertaining to remediation, environmental permits, hazardous materials or any other environmental concerns at this property.

Thank you for your prompt attention to this request.

Sincerely,

George Holmes
Hydrogeologist

GH:tac

S:\United Construction\134-37 35th Ave Flushing\NYSDEC.LET.docx

FPM group Engineering and Environmental Science

FPM Group, Ltd.
FPM Engineering Group, P.C.
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS
909 Marconi Avenue
Ronkonkoma, NY 11779
631/737-6200
Fax 631/737-2410

VIA EMAIL

November 7, 2013

FOI Officer
NYSDEC – Region 2
Attn: Fawzy I. Abdelsadek

Re: **Phase I Environmental Site Assessment for a Property located in Queens, New York**
FPM File No. 1135g-13-01

Dear Fawzy:

In accordance with the Freedom of Information Act (FOIA), this is a written request to review all files at the NYSDEC for the following property located in **Queens**:

- 134-25 35th Avenue, Flushing

Specifically, I am requesting files pertaining to remediation, environmental permits, hazardous materials or any other environmental concerns at this property. I am also requesting all files pertaining to spill numbers 94-16190, 94-16972, and 95-00504, as well as PBS number 2-455458.

Thank you for your prompt attention to this request.

Sincerely,

George Holmes
Hydrogeologist

GH:tac

S:\United Construction\134-37 35th Ave Flushing\NYSDECspills.LET.docx

Holmes, George

From: Foil r2foil [r2foil@gw.dec.state.ny.us]
Sent: Thursday, November 14, 2013 12:32 PM
To: Holmes, George
Cc: Foil r2foil
Subject: R2-13-3164 - Send a check letter

November 14, 2013

FOIL: R2-13-3164

George Holmes/FPM Group
631-737-6200 Ext 242
F 631-737-2410
g.holmes@fpm-group.com

Re: 134-25 35th Ave in Flushing Queens
Spill Nos. 9416190, 9416972, and 9500504
PBS 2-455458

Dear Mr. Holmes:

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations or inquiries.

☒ Our Search indicated that there are large size Pdf files that can't be emailed to you. If you need this to be copied on CD, please send a check , or money order with the amount of **$5.00** for 1 CD. Make a check payable to: **NYSDEC**, and write in the memo portion of the check the **FOIL number**, and on the top the **name of the requester**. Please note NYSDEC/Region 2 **Does Not accept** Credit Card payment.

The check should be mailed to **Gloria Silva**/FOIL Secretary/NYSDEC,/Region 2; 47-40 21ST Street, Long Island City, NY 11101-5407. This should be received prior to copies being sent.

☒ Also, you may arrange for an appointment, and bring a 1 CD, or a Flash Drive to our office, and the larger size Pdf files will be copied on your CDs, or a Flash Drive for free. Do Not Bring DVD(s).

☒ **Please confirm receipt of this email.**

Thank you for your request. If you have any questions, please email it to me at **r2foil@gw.dec.state.ny.us** .

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator
New York State Department of Environmental Conservation
Region 2
47-40 21St Street

APPENDIX B

STATE AND FEDERAL DATABASE RECORDS

134-37 35th Avenue, Flushing
134-37 35th Avenue
Flushing, NY 11354

Inquiry Number: 3772487.1s
October 31, 2013

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

134-37 35TH AVENUE
FLUSHING, NY 11354

COORDINATES

Latitude (North):	40.7647000 - 40' 45' 52.92"
Longitude (West):	73.8323000 - 73' 49' 56.28"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	598557.4
UTM Y (Meters):	4513081.5
Elevation:	32 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-G7 FLUSHING, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
Site - LOT 31,TAXBLOCK 4949 134-37 35 AVENUE QUEENS, NY 11354	NY E DESIGNATION	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

NY HIST LTANKS..... Listing of Leaking Storage Tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS..... Storage Tank Faciliy Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS..... Registry of Engineering Controls
NY INST CONTROL..... Registry of Institutional Controls
NY RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

NY VCP..... Voluntary Cleanup Agreements
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP..... Environmental Restoration Program Listing
NY BROWNFIELDS..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
NY SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
NY DEL SHWS..... Delisted Registry Sites
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
NY LIENS..... Spill Liens Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database

NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
US MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
RMP ..... Risk Management Plans
NY UIC ..... Underground Injection Control Wells
NY DRYCLEANERS ..... Registered Drycleaners
NY SPDES ..... State Pollutant Discharge Elimination System
NY AIRS ..... Air Emissions Data
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
NY COAL ASH ..... Coal Ash Disposal Site Listing
NY Financial Assurance ..... Financial Assurance Information Listing
LEAD SMELTERS ..... Lead Smelter Sites
2020 COR ACTION ..... 2020 Corrective Action Program List
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
COAL ASH DOE ..... Steam-Electric Plant Operation Data

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 04/26/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPECTRUM MAINTENANCE CORP	*39-08 JANET PLACE*	*SSW 1/4 - 1/2 (0.435 mi.)*	*327*	*828*

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KENT ELECTRO-PLATING CORP	*36-34 PRINCE ST*	*S 1/8 - 1/4 (0.201 mi.)*	*AC190*	*509*

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - FARRINGTON ST FLU	*31-06 FARRINGTON STREET*	*N 1/8 - 1/4 (0.169 mi.)*	*T118*	*345*
CON EDISON - OTHER - SPECIFY T	34-30 COLLAGE PT. BLVD	W 1/8 - 1/4 (0.206 mi.)	Y202	535
CON EDISON - OTHER - SPECIFY T	34-30 COLLEGE POINT BLV	W 1/8 - 1/4 (0.206 mi.)	Y205	540
NYC BD OF ED - FLUSHING HIGH S	*35-01 UNION ST*	*ENE 1/8 - 1/4 (0.222 mi.)*	*AF240*	*610*

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LINDEN MAINTENANCE CORP	*134-02 33 AVE*	*NW 0 - 1/8 (0.120 mi.)*	*M72*	*232*

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS #3244	***137-61 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.148 mi.)***	***Q95***	***290***
CON EDISON MANHOLE: 15073	LINDEN PL & 32ND AVE	N 1/8 - 1/4 (0.182 mi.)	U141	423
NYCDEP QUEENS NORTH SEWER MAIN	133-25 32ND AVE	NW 1/8 - 1/4 (0.197 mi.)	V178	487
BROTHERS COMPLETE AUTO REPAIR	***32-10 137TH ST***	***NNE 1/8 - 1/4 (0.204 mi.)***	***AE195***	***520***

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 08/19/2013 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST A	WNW 1/2 - 1 (0.750 mi.)	335	864

Class Code: Site is properly closed - requires continued management.

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 07/08/2013 has revealed that there are 3 NY SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BEECHHURST SHORES	139-81 35 AVENUE	E 1/4 - 1/2 (0.257 mi.)	AM296	739

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON.EDISON;FARRINGTON @ F/T FA	FARRINGTON STREET AND 3	N 1/8 - 1/4 (0.169 mi.)	T119	363
OUTSIDE	***30-01 HARPER ST***	***W 1/4 - 1/2 (0.322 mi.)***	***AQ307***	***770***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 08/19/2013 has revealed that there are 46 NY LTANKS sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Site - ***134-37 35TH AVENUE*** Spill Number/Closed Date: 9500509 / 5/18/1995	***134-25 35TH AVENUE***	***SW 0 - 1/8 (0.027 mi.)***	***B8***	***38***
Site - ***NYC DEPT OF SANITATION*** Spill Number/Closed Date: 9500504 / 5/18/1995	***134-25 35TH AVE - Q-11A***	***SW 0 - 1/8 (0.027 mi.)***	***B9***	***56***
SHURGARD'S BIG YELLOW Spill Number/Closed Date: 8805789 / 7/29/2005	32-04 NORTHERN BLVD	E 1/4 - 1/2 (0.251 mi.)	294	735
ROSE TERRACE APTS Spill Number/Closed Date: 0811185 / 4/20/2009	139-81 35TH AVE	E 1/4 - 1/2 (0.257 mi.)	AM297	739
QUEENS COUNTY SAVINGS BANK Spill Number/Closed Date: 0500365 / 3/20/2006	***38-25 MAIN ST***	***SSE 1/4 - 1/2 (0.273 mi.)***	***AN299***	***742***
NYPD 109TH PCT - TTF Spill Number/Closed Date: 0900865 / 10/25/2011	***37-05 UNION ST***	***ESE 1/4 - 1/2 (0.277 mi.)***	***AO300***	***746***
109 PRECINCT NYPD -DDC Spill Number/Closed Date: 9413563 / 7/25/2005 Spill Number/Closed Date: 9708270 / 10/4/2005	37-05 UNION STREET	ESE 1/4 - 1/2 (0.277 mi.)	AO301	748
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8804351 / 3/5/2003	38-25 MAIN STREET	SSE 1/4 - 1/2 (0.292 mi.)	AN302	750
ATLANTIC FUEL/COLLEGE PT Spill Number/Closed Date: 8707613 / 12/5/1987 Spill Number/Closed Date: 8803431 / 7/21/1988	37-02 COLLEGE PT BLVD	SSW 1/4 - 1/2 (0.316 mi.)	AP304	756
141-08 NORTHERN BLVD/QUNS Spill Number/Closed Date: 8710346 / 7/11/2002	141-08 NORTHERN BLVD	E 1/4 - 1/2 (0.336 mi.)	AR309	775
39-15 MAIN STREET Spill Number/Closed Date: 8906087 / 9/30/1992	39-15 MAIN ST	SSE 1/4 - 1/2 (0.338 mi.)	AS310	776
SPILL NUMBER 0200080 Spill Number/Closed Date: 0200080 / 6/10/2004	141-57 NORTHERN BL	E 1/4 - 1/2 (0.351 mi.)	AR311	778
MAIN STREET & Spill Number/Closed Date: 9514189 / 2/7/1996	ROOSEVELT AVE & MAIN ST	SSE 1/4 - 1/2 (0.353 mi.)	AS312	779
PI ASSOCIATES, L.L.C. Spill Number/Closed Date: 9400260 / 4/20/1994	***136-21 ROOSEVELT AVE***	***SSE 1/4 - 1/2 (0.354 mi.)***	***AS313***	***780***
MACY'S BUILDING TTF Spill Number/Closed Date: 0703765 / 8/14/2007 Spill Number/Closed Date: 0809037 / 2/17/2010 Spill Number/Closed Date: 0909412 / 10/15/2012	***136-50 ROOSEVELT AVE***	***SE 1/4 - 1/2 (0.366 mi.)***	***AT314***	***785***
QUEENS CO SAVINGS BANK Spill Number/Closed Date: 0205849 / 7/8/2003	136-65 ROOSEVELT AVE	SE 1/4 - 1/2 (0.373 mi.)	AT316	794
136-68 ROOSEVELT AVE. Spill Number/Closed Date: 9312387 / 2/8/2007	136-68 ROOSEVELT AVE.	SE 1/4 - 1/2 (0.378 mi.)	AT317	796
BP AMOCO STATION Spill Number/Closed Date: 9709624 / 12/21/2006	***39-14 COLLEGE POINT BOU***	***SSW 1/4 - 1/2 (0.393 mi.)***	***AU318***	***797***
40-23 MAIN ST Spill Number/Closed Date: 9612149 / 1/9/1997	40-23 MAIN ST	SSE 1/4 - 1/2 (0.406 mi.)	319	803
MOBIL S/S Spill Number/Closed Date: 9103630 / 9/28/2005	***133-11 ROOSEVELT AVE.***	***S 1/4 - 1/2 (0.412 mi.)***	***AU320***	***804***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 9403158 / 3/10/2003	3506 PARSONS BLVD	E 1/4 - 1/2 (0.418 mi.)	AV322	815
35-06 PARSONS BLVD Spill Number/Closed Date: 8900243 / 4/25/1989	35-06 PARSONS BLVRD	E 1/4 - 1/2 (0.418 mi.)	AV323	816

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
35-06 PARSONS BLVD Spill Number/Closed Date: 8802583 / 3/5/2003	***35-06 PARSONS BLVD***	***E 1/4 - 1/2 (0.418 mi.)***	***AV324***	***817***
SHELL Spill Number/Closed Date: 9702798 / Not Reported Spill Number/Closed Date: 9211069 / 3/4/1993	***141-54 NORTHERN BLVD***	***E 1/4 - 1/2 (0.427 mi.)***	***325***	***820***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8802851 / 3/5/2003	35006 PARSONS BLVD	E 1/4 - 1/2 (0.434 mi.)	AV326	826
HERITAGE WEST Spill Number/Closed Date: 9807106 / 4/8/2003 Spill Number/Closed Date: 0800560 / 9/2/2008	***143-37 38TH AVE.***	***ESE 1/4 - 1/2 (0.439 mi.)***	***328***	***830***
35-15 PARSONS BLVD/QUEENS Spill Number/Closed Date: 8708616 / 10/7/1992	35-15 PARSONS BLVD	E 1/4 - 1/2 (0.461 mi.)	AV331	844
HERITAGE EAST-WEST Spill Number/Closed Date: 9807105 / 11/12/2003	***37-14 PARSONS BLVD***	***E 1/4 - 1/2 (0.476 mi.)***	***332***	***845***
FLUSHING SAVINGS BANK Spill Number/Closed Date: 0209991 / 1/24/2003	144-51 NORTHERN BLVD	E 1/4 - 1/2 (0.482 mi.)	333	848

Lower Elevation	Address	Direction / Distance	Map ID	Page
LATIMER GARDENS -NYCHA Spill Number/Closed Date: 9008380 / 9/22/1994 Spill Number/Closed Date: 9606932 / Not Reported	***34-45 LINDEN PLACE***	***NE 0 - 1/8 (0.073 mi.)***	***F36***	***109***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8710850 / 3/4/2003	134-02 33RD AVE	NW 0 - 1/8 (0.118 mi.)	M70	222
134-02 33RD AVE Spill Number/Closed Date: 9713682 / 5/16/2006	***134-02 33RD AVE***	***NW 0 - 1/8 (0.120 mi.)***	***M71***	***224***
PECKS STATIONARY Spill Number/Closed Date: 9513610 / 1/30/1996 Spill Number/Closed Date: 9510550 / 11/22/1995 Spill Number/Closed Date: 9511128 / 12/5/1995	***36-18 MAIN STREET***	***SSE 1/8 - 1/4 (0.130 mi.)***	***I78***	***254***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8809691 / 3/4/2003	133050 32ND AVENUE	NW 1/8 - 1/4 (0.176 mi.)	V130	385
PAVERS WELFARE Spill Number/Closed Date: 1110406 / 1/31/2012	136-25 37TH AVE	SSE 1/8 - 1/4 (0.194 mi.)	Z164	447
BUSINESS Spill Number/Closed Date: 0707223 / 4/9/2008	36-03 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.216 mi.)	AH224	576
WILLETS POINT ASPHALT Spill Number/Closed Date: 0008962 / 1/2/2004 Spill Number/Closed Date: 7900995 / 8/3/2009	***35-32 COLLEGE POINT RD***	***SW 1/8 - 1/4 (0.235 mi.)***	***AH265***	***657***
WILLETS POINT ASPHALT Spill Number/Closed Date: 8705123 / Not Reported Spill Number/Closed Date: 8704514 / Not Reported	35-32 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.235 mi.)	AH266	681
LEAVITT HOUSES -NYCHA Spill Number/Closed Date: 9108997 / 7/18/2008 Spill Number/Closed Date: 9008383 / 4/26/1995	139-10 34TH AVENUE	NE 1/4 - 1/2 (0.253 mi.)	AJ295	736
CONTINENTAL FOOD PRODUCTI Spill Number/Closed Date: 0706873 / 1/3/2008	31-45 DOWNING ST.	NW 1/4 - 1/2 (0.272 mi.)	298	740
NYCDOT ASPHALT PLANT Spill Number/Closed Date: 1001869 / 5/19/2010	30-01 HARPER STREET / 1	W 1/4 - 1/2 (0.322 mi.)	AQ306	769

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
PITTSTON/METRO COL. PT. Spill Number/Closed Date: 8000814 / 10/29/1987	COLLEGE PT / 37TH AVE	SSW 1/4 - 1/2 (0.330 mi.)	AP308	774
33-03 143RD ST Spill Number/Closed Date: 9507621 / 9/21/1995	33-03 143RD ST	NE 1/4 - 1/2 (0.372 mi.)	315	793
BLAND HOUSES -NYCHA Spill Number/Closed Date: 9403446 / 11/29/2010 Spill Number/Closed Date: 9414958 / 2/15/1995 Spill Number/Closed Date: 9008753 / 4/25/1995 Spill Number/Closed Date: 9106685 / 1/19/2006	***40-05 COLLEGE POINT BLV***	***SSW 1/4 - 1/2 (0.450 mi.)***	***329***	***834***
31-70 COLLEGE PT BLV/QUNS Spill Number/Closed Date: 8809098 / 3/22/1989	31-70 COLLEGE POINT BLV	WNW 1/4 - 1/2 (0.461 mi.)	330	842
HARPER STREET REPAIR SHOP DOT Spill Number/Closed Date: 9003967 / 12/28/2012 Spill Number/Closed Date: 0407607 / Not Reported Spill Number/Closed Date: 9213287 / 10/31/2003 Spill Number/Closed Date: 9102718 / 10/31/2003	***32-11 HARPER STREET***	***W 1/4 - 1/2 (0.498 mi.)***	***334***	***849***

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 08/07/2013 has revealed that there are 25 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
site Adj. W ***134-37 35TH AVENUE***	***134-25 35TH AVENUE***	***SW 0 - 1/8 (0.027 mi.)***	***B8***	***38***
UNNITED PLUMBING	***134-03 35TH AVENUE***	***SW 0 - 1/8 (0.046 mi.)***	***B20***	***73***
139-55 35TH REALTY LLC	***139-55 35TH AVENUE (THE***	***E 1/8 - 1/4 (0.245 mi.)***	***AF278***	***712***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLUSHING TOWN HALL PARKING LOT	***135-19 35TH AVENUE***	***ESE 0 - 1/8 (0.020 mi.)***	***A5***	***22***
FIRST CLASS AUTO REPAIR	33-43 PRINCE STREET	NW 0 - 1/8 (0.044 mi.)	D19	71
35-11 PRINCE STREET	***35-11 PRINCE STREET***	***SSW 0 - 1/8 (0.065 mi.)***	***B29***	***97***
LATIMER GARDENS	***34-45 LINDEN PLACE***	***NE 0 - 1/8 (0.072 mi.)***	***F35***	***105***
LOR-PET SERVICE STA., LTD.	***136-35 35TH AVE***	***E 0 - 1/8 (0.084 mi.)***	***G40***	***119***
NORTH CROSS GAS INC.	35-32 LINDEN PLACE	ESE 0 - 1/8 (0.086 mi.)	G44	144
RKO KEITH THEATER	135-29 NORTHEN BLVD.	SSW 0 - 1/8 (0.104 mi.)	H58	170
MOBIL OIL-#17-GYX LAI S	***137-17 NORTHERN BLVD***	***SE 0 - 1/8 (0.109 mi.)***	***J64***	***176***
LINDEN MAINTENANCE CORP	***134-02 33 AVE***	***NW 0 - 1/8 (0.120 mi.)***	***M72***	***232***
FLUSHING ARMORY (QNTF)	***137-58 NORTHERN BOULEVA***	***ESE 1/8 - 1/4 (0.147 mi.)***	***Q93***	***285***
137-36 LEAVITT STREET	***137-36 LEAVITT STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***Q100***	***298***
LINDEN LATIMER HOLDINGS LLC	32-35 LINDEN PL	N 1/8 - 1/4 (0.164 mi.)	U109	326
RODAN EQUIPMENT CO INC	34-09 COLLEGE POINT BLV	W 1/8 - 1/4 (0.175 mi.)	P129	383
THERMAX WIRE CORP	***32-02 LINDEN PL***	***N 1/8 - 1/4 (0.179 mi.)***	***U133***	***394***
ASPHALT PLANT	35-22 COLLEGE POINT BOU	WSW 1/8 - 1/4 (0.194 mi.)	Y170	455
QUEENS NORTH SEWER MAINTENANCE	133-25 32ND AVENUE	NW 1/8 - 1/4 (0.197 mi.)	V177	484
139-06/12/18 34TH ROAD	***139-06 34TH ROAD***	***ENE 1/8 - 1/4 (0.201 mi.)***	***AB192***	***513***
P.S. PIBBS, INC./PETRUCCELLI I	***133-15 32ND AVENUE***	***NW 1/8 - 1/4 (0.206 mi.)***	***V206***	***541***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
PAVERS WELFARE FUND HOLDING CO	136-25 37TH AVE	SSE 1/8 - 1/4 (0.210 mi.)	Z216	561
COLLEGE POINT AUTO REPAIR	***36-03 COLLEGE POINT BOU***	***SW 1/8 - 1/4 (0.216 mi.)***	***AH223***	***573***
MILLER TUBE CORP OF AMERICA	***133-05 32ND AVE***	***NW 1/8 - 1/4 (0.219 mi.)***	***AI233***	***589***
LEAVITT ST.-34TH AVENUE (LATIM	139-10 34TH AVENUE	NE 1/8 - 1/4 (0.224 mi.)	AJ247	625

NY MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY MOSF UST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FLUSHING TERMINAL	37-02 COLLEGE POINT BOU	SSW 1/4 - 1/2 (0.316 mi.)	AP305	758

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOU	WNW 1/4 - 1/2 (0.415 mi.)	321	807

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 08/07/2013 has revealed that there are 32 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Site ***134-37 35TH AVENUE***	***134-25 35TH AVENUE***	***SW 0 - 1/8 (0.027 mi.)***	***B8***	***38***
PETER AUTO REPAIR INC	133-20 36TH ROAD	SSW 1/8 - 1/4 (0.238 mi.)	AA272	704
PRINCE TOWER REALTY	133-53 37TH AVENUE	S 1/8 - 1/4 (0.246 mi.)	AC281	717

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLUSHING TOWN HALL PARKING LOT	***135-19 35TH AVENUE***	***ESE 0 - 1/8 (0.020 mi.)***	***A5***	***22***
LATIMER GARDENS	***34-45 LINDEN PLACE***	***NE 0 - 1/8 (0.072 mi.)***	***F35***	***105***
THE YEH REALTY, INC	***135-29 NORTHERN BLVD***	***S 0 - 1/8 (0.091 mi.)***	***I47***	***151***
MAG AUTOMOTIVE ENTERPRISES INC	137-07 NORTHERN BLVD	SE 0 - 1/8 (0.104 mi.)	J56	166
MOBIL OIL-#17-GYX LAI S	***137-17 NORTHERN BLVD***	***SE 0 - 1/8 (0.109 mi.)***	***J64***	***176***
UMBRO TRANSIT INC	134-02 33RD AVENUE	NW 0 - 1/8 (0.114 mi.)	M68	217
QUALITY AAUTO PERFORMANCE INC	133-05 35TH AVENUE	WSW 1/8 - 1/4 (0.136 mi.)	N85	275
JOHN'S AUTO TECH INC.	35-01 COLLINS PLACE	WSW 1/8 - 1/4 (0.140 mi.)	N89	280
E T AUTO GROUP INC	132-15 35 AVE	WSW 1/8 - 1/4 (0.161 mi.)	N103	317
QUEENS OUTREACH (Q023)	138-11 35TH AVE.	E 1/8 - 1/4 (0.163 mi.)	R107	322
THE BANK OF NEW YORK	36-63 MAIN STRETT	SSE 1/8 - 1/4 (0.175 mi.)	O128	381
43 AUTO SERVICE INC.	133-28 32 AVE.	NW 1/8 - 1/4 (0.185 mi.)	V152	432
LOTTE-HANMI II AUTO REPAIR INC	35-01 COLLEGE POINT BOU	WSW 1/8 - 1/4 (0.188 mi.)	X157	437
A-Z 35TH AVE AUTO SERVICE INC	35-03 COLLEGE POINT BOU	WSW 1/8 - 1/4 (0.189 mi.)	X158	439
LEGEND OF NORTH SHORE AUTO	35-11 COLLEGE POINT BOU	SW 1/8 - 1/4 (0.190 mi.)	X159	441
QUEENS NORTH SEWER MAINTENANCE	133-25 32ND AVENUE	NW 1/8 - 1/4 (0.197 mi.)	V175	477
VISALO REALTY LLC	139-19 34TH RD	ENE 1/8 - 1/4 (0.200 mi.)	AB187	499
BEST CONCRETE MIX CORP	35-10 COLLEGE POINT BOU	SW 1/8 - 1/4 (0.200 mi.)	X189	504

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
139-06/12/18 34TH ROAD	*139-06 34TH ROAD*	*ENE 1/8 - 1/4 (0.201 mi.)*	*AB192*	*513*
K&J REPAIR INC.	32-10 137TH STREET	NNE 1/8 - 1/4 (0.204 mi.)	AE196	523
KEYSTONE REALTY	*139-09 34TH RD*	*NE 1/8 - 1/4 (0.206 mi.)*	*AB199*	*528*
P.S. PIBBS, INC./PETRUCCELLI I	*133-15 32ND AVENUE*	*NW 1/8 - 1/4 (0.206 mi.)*	*V206*	*541*
FUTURAMA INTERIORS	*37-02 MAIN ST*	*SSE 1/8 - 1/4 (0.212 mi.)*	*AG221*	*569*
COLLEGE POINT AUTO REPAIR	*36-03 COLLEGE POINT BOU*	*SW 1/8 - 1/4 (0.216 mi.)*	*AH223*	*573*
FLUSHING YMCA	*138-46 NORTHERN BLVD*	*ESE 1/8 - 1/4 (0.222 mi.)*	*W239*	*606*
FLUSHING H S - Q 460	*35-01 UNION ST*	*ENE 1/8 - 1/4 (0.222 mi.)*	*AF243*	*615*
139-29 34TH RD	*139-29 34TH RD*	*ENE 1/8 - 1/4 (0.223 mi.)*	*AB246*	*622*
EAST HI-TECH AUTOMOTIVE, INC	133-16 KING ROAD	SW 1/8 - 1/4 (0.237 mi.)	AH270	701
37-29 MAIN ST	37-29 MAIN ST	SSE 1/8 - 1/4 (0.241 mi.)	AG277	710

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY CBS AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARK NAMEPLATE CO INC BUILDING	*34-10 LINDEN PLACE PO B*	*NNE 0 - 1/8 (0.066 mi.)*	*E30*	*101*
BEST CONCRETE	*35-10 COLLEGE POINT BLV*	*SW 1/8 - 1/4 (0.200 mi.)*	*X188*	*501*

NY MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the NY MOSF list, as provided by EDR, and dated 08/07/2013 has revealed that there is 1 NY MOSF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
37-02 COLLEGE PT BLVD,LLC	*37-02 COLLEGE POINT BLV*	*SSW 1/4 - 1/2 (0.316 mi.)*	*AP303*	*752*

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 08/07/2013 has revealed that there are 2 NY CBS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARK NAMEPLATE CO INC BUILDING	*34-10 LINDEN PLACE PO B*	*NNE 0 - 1/8 (0.066 mi.)*	*E30*	*101*
BEST CONCRETE	*35-10 COLLEGE POINT BLV*	*SW 1/8 - 1/4 (0.200 mi.)*	*X188*	*501*

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 07/08/2013 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
A&R LOBOSCO(32-17 FARRINGTON S	32-17 FARRINGTON STREET	N 1/8 - 1/4 (0.159 mi.)	L101	315

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 11 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
134-37 35TH AVENUE	*134-25 35TH AVENUE*	*SW 0 - 1/8 (0.027 mi.)*	*B8*	*38*
UNNITED PLUMBING	*134-03 35TH AVENUE*	*SW 0 - 1/8 (0.046 mi.)*	*B20*	*73*
139-55 35TH REALTY LLC	*139-55 35TH AVENUE (THE*	*E 1/8 - 1/4 (0.245 mi.)*	*AF278*	*712*

Lower Elevation	Address	Direction / Distance	Map ID	Page
35-11 PRINCE STREET	*35-11 PRINCE STREET*	*SSW 0 - 1/8 (0.065 mi.)*	*B29*	*97*
FLUSHING ARMORY (QNTF)	*137-58 NORTHERN BOULEVA*	*ESE 1/8 - 1/4 (0.147 mi.)*	*Q93*	*285*
137-36 LEAVITT STREET	*137-36 LEAVITT STREET*	*ESE 1/8 - 1/4 (0.159 mi.)*	*Q100*	*298*
Q6 STOREHOUSE / Q-7 YARD	133-25 32ND AVENUE	NW 1/8 - 1/4 (0.197 mi.)	V174	475
139-06/12/18 34TH ROAD	*139-06 34TH ROAD*	*ENE 1/8 - 1/4 (0.201 mi.)*	*AB192*	*513*
P.S. PIBBS, INC./PETRUCCELLI I	*133-15 32ND AVENUE*	*NW 1/8 - 1/4 (0.206 mi.)*	*V206*	*541*
MILLER TUBE CORP OF AMERICA	*133-05 32ND AVE*	*NW 1/8 - 1/4 (0.219 mi.)*	*AI233*	*589*
139-29 34TH RD	*139-29 34TH RD*	*ENE 1/8 - 1/4 (0.223 mi.)*	*AB246*	*622*

NY HIST AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY HIST AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 11 NY HIST AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
134-37 35TH AVENUE	134-25 35TH AVENUE	SW 0 - 1/8 (0.027 mi.)	B7	33
PETER AUTO REPAIR INC	133-20 36TH ROAD	SSW 1/8 - 1/4 (0.238 mi.)	AA273	706
HUTTER AUTO BODY INCORPORATED	*133-53 37TH AVENUE*	*S 1/8 - 1/4 (0.246 mi.)*	*AC283*	*721*

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE YEH REALTY, INC	*135-29 NORTHERN BLVD*	*S 0 - 1/8 (0.091 mi.)*	*I47*	*151*

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAG AUTOMOTIVE ENTERPRISES INC	137-07 NORTHERN BLVD	SE 0 - 1/8 (0.104 mi.)	J57	168
43 AUTO SERVICE INC.	133-28 32 AVE.	NW 1/8 - 1/4 (0.185 mi.)	V151	431
KEYSTONE REALTY	***139-09 34TH RD***	***NE 1/8 - 1/4 (0.206 mi.)***	***AB199***	***528***
FUTURAMA INTERIORS	***37-02 MAIN ST***	***SSE 1/8 - 1/4 (0.212 mi.)***	***AG221***	***569***
VISALO REALTY LLC	139-19 34TH RD	ENE 1/8 - 1/4 (0.220 mi.)	AB236	604
FLUSHING YMCA	***138-46 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.222 mi.)***	***W239***	***606***
FLUSHING H S - Q 460	***35-01 UNION ST***	***ENE 1/8 - 1/4 (0.222 mi.)***	***AF243***	***615***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 08/19/2013 has revealed that there are 106 NY Spills sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Site – ***NYC DEPT OF SANITATION***	***134-25 35TH AVE - Q-11A***	***SW 0 - 1/8 (0.027 mi.)***	***B9***	***56***
Spill Number/Closed Date: 9416972 / 5/18/1995				
Spill Number/Closed Date: 9416190 / Not Reported				
MH 569	PRINCE ST/35TH AVE	SW 0 - 1/8 (0.048 mi.)	B22	90
Spill Number/Closed Date: 0105887 / 9/4/2001				
ROADWAY	135 - 39 37TH AVE	S 1/8 - 1/4 (0.209 mi.)	AG213	555
Spill Number/Closed Date: 0707047 / 9/26/2007				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ug – OLD GAS STATION	135-19 35TH AV	ESE 0 - 1/8 (0.020 mi.)	A4	17
Spill Number/Closed Date: 0205487 / Not Reported				
cg – ***REPAIR SHOP***	***34-48 LINDEN PL***	***NE 0 - 1/8 (0.062 mi.)***	***F27***	***94***
Spill Number/Closed Date: 9608529 / Not Reported				
MANHOLE #17989	LINDEN PLACE AT 35TH AV	E 0 - 1/8 (0.068 mi.)	G31	102
Spill Number/Closed Date: 0506961 / 1/11/2006				
LATIMER GARDENS -NYCHA	***34-45 LINDEN PLACE***	***NE 0 - 1/8 (0.073 mi.)***	***F36***	***109***
Spill Number/Closed Date: 9703318 / 8/15/1997				
Spill Number/Closed Date: 9709307 / 7/29/1998				
136-35 35TH AVE	136-35 35TH AVE	E 0 - 1/8 (0.082 mi.)	G38	114
Spill Number/Closed Date: 0107332 / 1/12/2006				
LOR-PET SERVICE STA., LTD.	***136-35 35TH AVE***	***E 0 - 1/8 (0.084 mi.)***	***G40***	***119***
Spill Number/Closed Date: 9811636 / 5/9/2013				
135-29 NORTHERN BLVD	135-29 NORTHERN BLVD	S 0 - 1/8 (0.089 mi.)	I45	146
Spill Number/Closed Date: 9604233 / 12/20/1999				
MAIN ST/NORTHERN BLVD	MAIN ST & NORTHERN BLVD	S 0 - 1/8 (0.092 mi.)	I48	155
Spill Number/Closed Date: 9513566 / 1/26/1996				
LEE RESIDENCE	3321 FARRINGTON ST.	N 0 - 1/8 (0.093 mi.)	E49	156
Spill Number/Closed Date: 0803619 / 7/24/2008				
SPILL NUMBER 9809614	E OF 135-25 NORTHERN BL	S 0 - 1/8 (0.099 mi.)	H50	158
Spill Number/Closed Date: 9809614 / 10/30/1998				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9809886 Spill Number/Closed Date: 9809886 / 11/24/1998	3319 FARRINGTION ST	N 0 - 1/8 (0.099 mi.)	E51	159
136-66 35TH AVE/QUEENS Spill Number/Closed Date: 8909311 / 12/23/1989	136-66 35TH AVENUE	E 0 - 1/8 (0.100 mi.)	G53	161
CAR Spill Number/Closed Date: 0402589 / 8/17/2004	***135-05 NORTHERN BLVD***	***SSW 0 - 1/8 (0.103 mi.)***	***H55***	***162***
LATIMER PL AND Spill Number/Closed Date: 9515111 / 2/12/2003 Spill Number/Closed Date: 9712740 / 2/17/1998	LINDEN PL	NNE 0 - 1/8 (0.108 mi.)	K62	173
MANHOLE #13737 Spill Number/Closed Date: 0404716 / 10/21/2004	LINDEN PL / LATIMER PL	NNE 0 - 1/8 (0.108 mi.)	K63	175
39 - ***MOBIL OIL-#17-GYX LAI S*** Spill Number/Closed Date: 0613762 / Not Reported Spill Number/Closed Date: 0813781 / 3/23/2009 Spill Number/Closed Date: 0708444 / 3/26/2009	***137-17 NORTHERN BLVD***	***SE 0 - 1/8 (0.109 mi.)***	***J64***	***176***
SPILL NUMBER 0300478 Spill Number/Closed Date: 0300478 / 7/18/2003	33-05 FARRINGTON ST	N 0 - 1/8 (0.111 mi.)	L65	212
134-02 33RD AVE Spill Number/Closed Date: 9410376 / 11/4/1994	***134-02 33RD AVE***	***NW 0 - 1/8 (0.120 mi.)***	***M71***	***224***
137-28 NORTHERN BLVD Spill Number/Closed Date: 9406481 / 8/12/1994 Spill Number/Closed Date: 0709799 / 1/14/2008	137-28 NORTHERN BLVD	SE 0 - 1/8 (0.122 mi.)	J73	238
VAULT 3119 Spill Number/Closed Date: 0130015 / 8/27/2001 Spill Number/Closed Date: 0412347 / 6/8/2005	137-34 NORTHERN BLVD	SE 0 - 1/8 (0.124 mi.)	J75	241
D&H AUTO REPAIR Spill Number/Closed Date: 0806941 / 9/23/2008	133-16 35TH AVE	WSW 0 - 1/8 (0.125 mi.)	N76	244
PECKS STATIONARY Spill Number/Closed Date: 9600179 / 4/4/1996 Spill Number/Closed Date: 9710135 / 7/14/2003 Spill Number/Closed Date: 9510542 / 11/21/1995	***36-18 MAIN STREET***	***SSE 1/8 - 1/4 (0.130 mi.)***	***I78***	***254***
PECK STATIONARY Spill Number/Closed Date: 8908465 / 12/8/1992	36-18 MAIN ST	SSE 1/8 - 1/4 (0.130 mi.)	I79	260
VAULT #VS-7753 Spill Number/Closed Date: 0408255 / 12/28/2004	35TH AVE & COLLINS PLAC	WSW 1/8 - 1/4 (0.140 mi.)	N88	279
MANHOLE # 574 Spill Number/Closed Date: 0205718 / 11/7/2002	COLLINS PL / 35TH AVE	WSW 1/8 - 1/4 (0.140 mi.)	N90	282
214929; 35 AVE AND COLLINS PL Spill Number/Closed Date: 0814664 / 12/23/2008	35 AVE AND COLLINS PL	WSW 1/8 - 1/4 (0.141 mi.)	N91	284
ON THE STREET IN FRONT OF Spill Number/Closed Date: 9811411 / 12/10/1998	132-19 34TH AVE	WNW 1/8 - 1/4 (0.154 mi.)	P96	295
134-23 NORTHERN BLVD / PA Spill Number/Closed Date: 8605142 / 11/12/1986	134-23 NORTHERN BLVD	SW 1/8 - 1/4 (0.156 mi.)	S98	296
FARRINGTON YARD Spill Number/Closed Date: 1001598 / 6/21/2010	FARRINGTON ST AND 32ND	N 1/8 - 1/4 (0.168 mi.)	T113	333
AMOCO GAS STATION Spill Number/Closed Date: 9709908 / Not Reported	32-35 LINDEN PL	N 1/8 - 1/4 (0.168 mi.)	U115	337
FARRINGTON ST. FLUSH TRUC Spill Number/Closed Date: 9515218 / Not Reported	32ND AVE	N 1/8 - 1/4 (0.169 mi.)	T116	342

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9900087 Spill Number/Closed Date: 9900087 / 1/8/2003	FARRINGTON ST/32ND ST	N 1/8 - 1/4 (0.169 mi.)	T117	343
FARRINGTON ST FLUSH FACILITY Spill Number/Closed Date: 9606861 / 2/9/2005	FARRINGTON ST/32ND AVE	N 1/8 - 1/4 (0.169 mi.)	T120	364
FARINGTON YARD Spill Number/Closed Date: 9612112 / 1/8/1997	32AVE AND FARRINGTON ST	N 1/8 - 1/4 (0.169 mi.)	T121	365
FARRINGTON ST YARD Spill Number/Closed Date: 0009556 / 11/20/2000	FARRINGTON ST / 32ND AV	N 1/8 - 1/4 (0.169 mi.)	T122	366
FARRINGTON FLUSH PIT Spill Number/Closed Date: 9914802 / 11/16/2004	FARRINGTON ST & 32ND AV	N 1/8 - 1/4 (0.169 mi.)	T123	367
FERRINGTON YARD Spill Number/Closed Date: 9607577 / 5/27/1998	31ST STREET+32ND AVE	N 1/8 - 1/4 (0.169 mi.)	T124	374
FARRINGTON ST & Spill Number/Closed Date: 0011678 / 10/13/2006	132ND AVE	N 1/8 - 1/4 (0.169 mi.)	T125	376
138-22 35TH AVE/QUEENS Spill Number/Closed Date: 9000762 / 4/23/1990	138-22 35TH AVENUE	E 1/8 - 1/4 (0.173 mi.)	R127	380
SEARS Spill Number/Closed Date: 0006121 / 6/18/2003 Spill Number/Closed Date: 0005898 / 9/27/2004	137-45 NORTHERN BLVD	ESE 1/8 - 1/4 (0.178 mi.)	W131	387
GAS STATION - AMOCO -MTBE Spill Number/Closed Date: 9405188 / Not Reported Spill Number/Closed Date: 9103428 / 6/27/1991	32-02 LINDEN PL	N 1/8 - 1/4 (0.179 mi.)	U132	389
WAREHOUSE Spill Number/Closed Date: 9515360 / 2/28/1996	133-38 32ND AVE	NW 1/8 - 1/4 (0.180 mi.)	V134	408
32ND AVE.& LINDEN/WHITEST Spill Number/Closed Date: 8607388 / 3/5/1987	32ND AVE/LNDN WHTSTN XW	N 1/8 - 1/4 (0.182 mi.)	U138	418
MANHOLE 10973 Spill Number/Closed Date: 0503086 / 4/5/2006	32ND AV/LINDEN PLACE	N 1/8 - 1/4 (0.182 mi.)	U139	420
CON ED SUBSTATION. XFMR #3 Spill Number/Closed Date: 0802428 / 6/17/2008	34-29 COLLEGE POINT BLV	WSW 1/8 - 1/4 (0.185 mi.)	Y149	429
3429 COLLEGE POINT BLVD Spill Number/Closed Date: 0005674 / 2/13/2002	FLUSHING POINT STATION	WSW 1/8 - 1/4 (0.185 mi.)	Y150	430
BLACKTOP Spill Number/Closed Date: 9508012 / 11/22/1996	137-58 NORTHERN BLVD R/	ESE 1/8 - 1/4 (0.187 mi.)	Q156	435
FLUSHING SUBSTATION Spill Number/Closed Date: 9809399 / 10/31/2002	COLLEGE PT BL & 35 AV	WSW 1/8 - 1/4 (0.193 mi.)	X162	445
35-10 COLLEGE PT/QUEENS Spill Number/Closed Date: 8808815 / 2/10/1989	35-10 COLLEGE POINT	WSW 1/8 - 1/4 (0.193 mi.)	X163	446
MANHOLE 480 Spill Number/Closed Date: 0004074 / 10/17/2001	NORTHERN BLVD/COLLEGE P	SW 1/8 - 1/4 (0.194 mi.)	X166	450
MAN HOLE 7378 -NOTHERN BL Spill Number/Closed Date: 0211787 / 4/3/2003	AND COLLEGE POINT BL	SW 1/8 - 1/4 (0.194 mi.)	X167	451
COLLEGE POINT BLVD/NORTHE Spill Number/Closed Date: 8703684 / 8/5/1987	COLLEGE PT./NORTHERN BL	SW 1/8 - 1/4 (0.194 mi.)	X168	453
FLUSHING BAY Spill Number/Closed Date: 9910163 / 1/23/2004	COLLEGE PT & NORTHERN B	SW 1/8 - 1/4 (0.194 mi.)	X169	454
FARRINGTON ST WASTE WATER Spill Number/Closed Date: 0004633 / 10/22/2001	31-43 FARRINGTON ST	N 1/8 - 1/4 (0.196 mi.)	T172	470

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
MANHOLE #395 Spill Number/Closed Date: 0200788 / 10/16/2002	COLLEGE PT BLVD/NORTHER	SW 1/8 - 1/4 (0.197 mi.)	X179	488
PALLMAN ISLAND - REG #54 Spill Number/Closed Date: 0109389 / 12/24/2001	DOWNING ST & 32ND AV	NW 1/8 - 1/4 (0.198 mi.)	V183	496
SEWAGE Spill Number/Closed Date: 0109499 / 8/20/2009	32ND AVE & DOWNING ST	NW 1/8 - 1/4 (0.198 mi.)	V184	497
TRENCH Spill Number/Closed Date: 0908237 / 1/21/2010	COLLEGE POINT BLVD AND	SW 1/8 - 1/4 (0.200 mi.)	X186	498
VAULT #VS0947 Spill Number/Closed Date: 9910338 / 3/29/2002	DOWING ST & 32ND AV	NW 1/8 - 1/4 (0.201 mi.)	V191	512
218465; NORTHERN BLVD AND UNIO Spill Number/Closed Date: 0914476 / 11/23/2009	NORTHERN BLVD AND UNION	ESE 1/8 - 1/4 (0.205 mi.)	W197	525
BUS#614 Spill Number/Closed Date: 0500803 / 5/24/2005	NORTHERN BLVD/UNION ST.	ESE 1/8 - 1/4 (0.205 mi.)	W198	527
APARTMENT BUILDING Spill Number/Closed Date: 0812193 / 9/30/2010	139-09 34TH RD	NE 1/8 - 1/4 (0.206 mi.)	AB200	532
FLUSHING SUB STATION Spill Number/Closed Date: 9907810 / 7/28/2005	***34-30 COLLEGE POINT BLV***	***W 1/8 - 1/4 (0.206 mi.)***	***Y204***	***538***
CON EDISON Spill Number/Closed Date: 9504055 / 2/8/2005	FARRINGTON STREET	NNW 1/8 - 1/4 (0.207 mi.)	T207	548
VACANT CON ED LOT Spill Number/Closed Date: 9706686 / 9/4/1997	FARRINGTON STREET	NNW 1/8 - 1/4 (0.207 mi.)	T208	549
FARRINGTON ST YARD Spill Number/Closed Date: 0013548 / 3/27/2001 Spill Number/Closed Date: 9909358 / 5/8/2000	31ST RD & 32ND AVE	NNW 1/8 - 1/4 (0.207 mi.)	T209	550
TALLMANS ISLAND FAILS - 1 Spill Number/Closed Date: 8605426 / 11/26/1986	137TH ST & 32ND AVE	NNE 1/8 - 1/4 (0.208 mi.)	AE211	554
SPILL NUMBER 0104975 Spill Number/Closed Date: 0914519 / 7/8/2010 Spill Number/Closed Date: 0104975 / 8/10/2001	37 AVE AND MAIN ST	SSE 1/8 - 1/4 (0.209 mi.)	AG214	556
RESIDENTS Spill Number/Closed Date: 0012681 / 3/27/2001 Spill Number/Closed Date: 0711266 / 1/25/2008 Spill Number/Closed Date: 0210457 / 1/17/2003	139-12 34TH ROAD	ENE 1/8 - 1/4 (0.211 mi.)	AB218	563
MANHOLE #1459 Spill Number/Closed Date: 0506386 / 8/25/2005	32 AVE AND 137 ST	NNE 1/8 - 1/4 (0.211 mi.)	AE219	566
SEWER MAINT. STOREHOUSE DEP -D Spill Number/Closed Date: 9609182 / 6/21/2001	133-25 32ND AVE	NW 1/8 - 1/4 (0.212 mi.)	V220	568
133-15 32ND AVE/USPS Spill Number/Closed Date: 9108658 / 8/8/2008	***133-15 32ND AVENUE***	***NW 1/8 - 1/4 (0.217 mi.)***	***AI227***	***579***
CONSOLIDATED EDISON Spill Number/Closed Date: 1100023 / 5/26/2011	***34-30 COLLEGE PT BLVD***	***WSW 1/8 - 1/4 (0.217 mi.)***	***Y228***	***581***
EXCAVATION Spill Number/Closed Date: 9702516 / 11/10/2003	36ND AVE AT COLLEGE POI	SW 1/8 - 1/4 (0.218 mi.)	AH229	584
SETTLING BASIN Spill Number/Closed Date: 0404707 / 8/9/2004 Spill Number/Closed Date: 1000951 / 5/24/2010 Spill Number/Closed Date: 9612691 / 8/18/2009	31-43 FARRINGTON ST	NNW 1/8 - 1/4 (0.220 mi.)	AD234	597

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FARRINGTON ST FLUSH PIT Spill Number/Closed Date: 0401646 / 5/26/2004 Spill Number/Closed Date: 9614435 / 10/13/1998	3143 FARRINGTON ST	NNW 1/8 - 1/4 (0.220 mi.)	AD235	602
MANHOLE 12839 Spill Number/Closed Date: 0503197 / 8/24/2005	UNION ST/35TH AVE	ENE 1/8 - 1/4 (0.222 mi.)	AF241	612
VS #2996 Spill Number/Closed Date: 0602658 / 6/28/2007	35-01 UNION STREET	ENE 1/8 - 1/4 (0.222 mi.)	AF242	614
217594; 35 AVE AND UNION ST Spill Number/Closed Date: 0914321 / 8/27/2009	35 AVE AND UNION ST	ENE 1/8 - 1/4 (0.222 mi.)	AF244	619
139-29 34TH RD/QUEENS Spill Number/Closed Date: 9008665 / 11/8/1990	139-29 34TH ROAD	ENE 1/8 - 1/4 (0.223 mi.)	AB245	621
MANHOLE 397 Spill Number/Closed Date: 9911319 / 3/28/2002 Spill Number/Closed Date: 0107376 / 12/28/2001	34TH AVE / COLLEGE PT B	W 1/8 - 1/4 (0.224 mi.)	AK248	627
WAREHOUSE Spill Number/Closed Date: 0800034 / Not Reported	34-01 COLLEGE POINT BLV	W 1/8 - 1/4 (0.225 mi.)	AK249	629
TRANS VS5013 Spill Number/Closed Date: 9902196 / 5/18/2000	32ND AV & HIGGINS ST	WNW 1/8 - 1/4 (0.226 mi.)	AI254	644
OPEN EXCAVATION Spill Number/Closed Date: 0130012 / 4/5/2005	32ND AVE & HIGGINS ST	WNW 1/8 - 1/4 (0.226 mi.)	AI255	646
SPILL NUMBER 0106735 Spill Number/Closed Date: 0106735 / 11/23/2001	HIGGINS ST/32ND AV	WNW 1/8 - 1/4 (0.226 mi.)	AI256	647
ONE PINT LEAK FROM FORKLIFT - Spill Number/Closed Date: 0801477 / 6/17/2008	31-24 FARRINGTON STREET	NNW 1/8 - 1/4 (0.227 mi.)	AD258	649
FARRINGTON FLUSH PIT Spill Number/Closed Date: 0010006 / 12/8/2000	31-33 FARRINGTON ST	NNW 1/8 - 1/4 (0.229 mi.)	AD259	650
31-02 LINDEN PLACE Spill Number/Closed Date: 0006143 / 9/14/2000	31-02 LINDEN PLACE	N 1/8 - 1/4 (0.231 mi.)	261	652
MAN HOLE 14619 Spill Number/Closed Date: 0205900 / 11/7/2002 Spill Number/Closed Date: 0205904 / 11/7/2002	35-32 COLLEGE POINT BL	SW 1/8 - 1/4 (0.235 mi.)	AH263	653
WILLETS POINT ASPHALT Spill Number/Closed Date: 0205874 / 11/7/2002	***35-32 COLLEGE POINT RD***	***SW 1/8 - 1/4 (0.235 mi.)***	***AH265***	***657***
WILLETS POINT ASPHALT PL Spill Number/Closed Date: 0105316 / 10/24/2005	35-52 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.235 mi.)	AH267	697
CONED VEHICLE #60526 Spill Number/Closed Date: 0506892 / 10/26/2005	31 DRIVE AT FARRINGTON	NNW 1/8 - 1/4 (0.236 mi.)	AD268	698
MANHOLE 15071 Spill Number/Closed Date: 9908068 / 2/20/2002	35TH AV / COLLEGE POINT	WSW 1/8 - 1/4 (0.236 mi.)	269	699
UNITED RENTALS Spill Number/Closed Date: 0008704 / 10/26/2000	133-58 31ST DR	NNW 1/8 - 1/4 (0.237 mi.)	AD271	703
FLUSHING SUB-STATION Spill Number/Closed Date: 9707312 / 4/14/1998	34-29 COLLEGE POINT BLV	W 1/8 - 1/4 (0.240 mi.)	AK274	707
SERVICE BOX 37566 Spill Number/Closed Date: 9814294 / 3/1/1999	NORTHERN BL & COLLEGE P	SW 1/8 - 1/4 (0.245 mi.)	279	715
MANHOLE 14151 Spill Number/Closed Date: 0106109 / 6/13/2003	COLLEGE POINT BLVD/33RD	WNW 1/8 - 1/4 (0.249 mi.)	AK285	723

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
MANHOLE #1451 Spill Number/Closed Date: 0201489 / 9/18/2002	COLLEGE PT-OPP 33RD AVE	WNW 1/8 - 1/4 (0.249 mi.)	AK286	725
MANHOLE # 1451 Spill Number/Closed Date: 9914182 / 3/26/2002	COLLEGE POINT BL & 33R	WNW 1/8 - 1/4 (0.249 mi.)	AK287	726
MANHOLE 1451 Spill Number/Closed Date: 0200215 / 10/16/2002	COLLEGE POINT BLVD+33RD	WNW 1/8 - 1/4 (0.249 mi.)	AK288	727
ASPHALT PLANT Spill Number/Closed Date: 0910082 / 12/14/2009	33RD AVE/COLLEGE POINT	WNW 1/8 - 1/4 (0.249 mi.)	AK289	728
MANHOLE # 1541 Spill Number/Closed Date: 9911316 / 3/28/2002	33RD AVE/COLLEGE POINT	WNW 1/8 - 1/4 (0.249 mi.)	AK290	729
MANHOLE #1451 Spill Number/Closed Date: 0307971 / 12/5/2003	33RD AV & COLLEGE POINT	WNW 1/8 - 1/4 (0.249 mi.)	AK292	732

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there are 34 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF SANITATION	*134-25 35TH AVE - Q-11A*	*SW 0 - 1/8 (0.027 mi.)*	*B9*	*56*
AUTORAMA BODYWORKS INC	*134-03 35TH ST*	*SW 0 - 1/8 (0.046 mi.)*	*B21*	*79*
HUTTER AUTO BODY	*133-53 37TH AVE*	*S 1/8 - 1/4 (0.246 mi.)*	*AC282*	*719*

Lower Elevation	Address	Direction / Distance	Map ID	Page
DAVIS AUTO BODY-QUAILE CORP	*35-25 FARINGTON ST*	*SE 0 - 1/8 (0.029 mi.)*	*A10*	*65*
MARK I AUTO REPAIR	*33-60 PRINCE ST*	*SW 0 - 1/8 (0.057 mi.)*	*B24*	*92*
NEW CONCEPT COLLISION INC	*34-48 LINDEN PL*	*NE 0 - 1/8 (0.062 mi.)*	*F28*	*96*
SERVICE STATION	*136-35 35TH AVE*	*E 0 - 1/8 (0.084 mi.)*	*G41*	*130*
MOBIL OIL-#17-GYX LAI S	*137-17 NORTHERN BLVD*	*SE 0 - 1/8 (0.109 mi.)*	*J64*	*176*
BELL ATLANTIC-NY	*LINDEN PL/NORTHERN BLVD*	*SE 0 - 1/8 (0.111 mi.)*	*J66*	*213*
NYC FLUSHING TOWN HALL	*137-35 NORTHERN BLVD*	*SE 0 - 1/8 (0.113 mi.)*	*J67*	*215*
BLACKMAN CORP	*133-27 35TH AVE*	*WSW 0 - 1/8 (0.116 mi.)*	*N69*	*220*
PIP PRINTING 565	*3609 MAIN ST*	*SSE 1/8 - 1/4 (0.127 mi.)*	*O77*	*246*
NYCHA - LATIMER HOUSES	*136-10 LATIMER PL*	*NNE 1/8 - 1/4 (0.131 mi.)*	*K80*	*261*
NEW CONCEPT INC	*136-23 34TH AVE*	*NNE 1/8 - 1/4 (0.134 mi.)*	*K82*	*264*
RSR AUTO BODY, INC.	*132-15 35 AVE*	*WSW 1/8 - 1/4 (0.161 mi.)*	*N102*	*315*
QUEENS ACADEMY OF THE OUTREACH	*138-11 35TH ST*	*E 1/8 - 1/4 (0.163 mi.)*	*R108*	*324*
T & G SVCE STATION INC-32-35 L	*32-35 LINDEN PLACE*	*N 1/8 - 1/4 (0.168 mi.)*	*U114*	*334*
KIMS AUTO	*32-32 LINDEN PL*	*N 1/8 - 1/4 (0.169 mi.)*	*U126*	*377*
THERMAX WIRE CORP	*32-02 LINDEN PL*	*N 1/8 - 1/4 (0.179 mi.)*	*U133*	*394*
GOLDEN OLDIES LTD	*132-29 33RD AVE*	*WNW 1/8 - 1/4 (0.182 mi.)*	*P137*	*410*
CON EDISION - M-402	*COLLEGE POINT BLVD. & 3*	*WSW 1/8 - 1/4 (0.191 mi.)*	*X160*	*443*
YONKE AUTO BODY WORKS, INC.	*36-07 BUDD PL*	*SSW 1/8 - 1/4 (0.196 mi.)*	*AA171*	*459*
NORTHERN BLVD MAZDA	*36-09 BUD PL*	*SSW 1/8 - 1/4 (0.196 mi.)*	*AA173*	*471*

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON ED - 32 AVE & DOWNINE ST	*32 AVE & DOWNINE ST*	*NW 1/8 - 1/4 (0.197 mi.)*	*V180*	*490*
CON ED - DOWNING ST & 32ND AVE	*DOWNING ST & 32ND AVE*	*NW 1/8 - 1/4 (0.197 mi.)*	*V181*	*493*
CON EDISON	*34-30 COLLEGE POINT BLV*	*W 1/8 - 1/4 (0.206 mi.)*	*Y201*	*533*
CON EDISON	*34-30 COLLEGE POINT BLV*	*W 1/8 - 1/4 (0.206 mi.)*	*Y203*	*536*
A D T SECURITIES	*136-25 37TH AVE*	*SSE 1/8 - 1/4 (0.210 mi.)*	*Z215*	*558*
NYCDOT - MUNICIPAL PARKING	*UNION ST BETW 39TH & 37*	*SE 1/8 - 1/4 (0.219 mi.)*	*Z231*	*585*
MILLER TUBE CORP OF AMERICA	*133-05 32ND AVE*	*NW 1/8 - 1/4 (0.219 mi.)*	*AI233*	*589*
CON EDISON MANHOLE 397	COLLEGE POINT BLVD & 34	W 1/8 - 1/4 (0.225 mi.)	AK250	639
SCRAP KING FLUSHING INC	35-32 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.235 mi.)	AH264	656
WILLETS POINT ASPHALT	*35-32 COLLEGE POINT RD*	*SW 1/8 - 1/4 (0.235 mi.)*	*AH265*	*657*
CON EDISION - M-1451	*OPP N/E/C COLLEGE POINT*	*WNW 1/8 - 1/4 (0.249 mi.)*	*AK293*	*733*

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONED, FLUSHING RIVER COKING	32ND AVENUE	NNW 1/8 - 1/4 (0.225 mi.)	AD253	643

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/01/2013 has revealed that there are 43 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Site - *NYC DEPT OF SANITATION*	*134-25 35TH AVE - Q-11A*	*SW 0 - 1/8 (0.027 mi.)*	*B9*	*56*
Adj W - *AUTORAMA BODYWORKS INC*	*134-03 35TH ST*	*SW 0 - 1/8 (0.046 mi.)*	*B21*	*79*
HUTTER AUTO BODY INCORPORATED	*133-53 37TH AVENUE*	*S 1/8 - 1/4 (0.246 mi.)*	*AC283*	*721*

Lower Elevation	Address	Direction / Distance	Map ID	Page
DAVIS AUTO BODY-QUAILE CORP	*35-25 FARINGTON ST*	*SE 0 - 1/8 (0.029 mi.)*	*A10*	*65*
REPAIR SHOP	*34-48 LINDEN PL*	*NE 0 - 1/8 (0.062 mi.)*	*F27*	*94*
CON ED - LINDEN PLACE & 35TH A	LINDEN PL & 35TH AVE	E 0 - 1/8 (0.069 mi.)	G32	103
PARK NAMEPLATE CO INC-33-37 FA	*33-37 FARRINGTON STREET*	*N 0 - 1/8 (0.084 mi.)*	*E42*	*132*
MOBIL OIL-#17-GYX LAI S	*137-17 NORTHERN BLVD*	*SE 0 - 1/8 (0.109 mi.)*	*J64*	*176*
BELL ATLANTIC-NY	*LINDEN PL/NORTHERN BLVD*	*SE 0 - 1/8 (0.111 mi.)*	*J66*	*213*
NYC FLUSHING TOWN HALL	*137-35 NORTHERN BLVD*	*SE 0 - 1/8 (0.113 mi.)*	*J67*	*215*
BLACKMAN CORP	*133-27 35TH AVE*	*WSW 0 - 1/8 (0.116 mi.)*	*N69*	*220*
134-02 33RD AVE	*134-02 33RD AVE*	*NW 0 - 1/8 (0.120 mi.)*	*M71*	*224*
PIP PRINTING 565	*3609 MAIN ST*	*SSE 1/8 - 1/4 (0.127 mi.)*	*O77*	*246*
NYCHA - LATIMER HOUSES	*136-10 LATIMER PL*	*NNE 1/8 - 1/4 (0.131 mi.)*	*K80*	*261*
NEW CONCEPT INC	*136-23 34TH AVE*	*NNE 1/8 - 1/4 (0.134 mi.)*	*K82*	*264*

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS #3244	*137-61 NORTHERN BLVD*	*ESE 1/8 - 1/4 (0.148 mi.)*	*Q95*	*290*
NYCDEP	35TH & LEAVITT ST	E 1/8 - 1/4 (0.157 mi.)	R99	297
RSR AUTO BODY, INC.	*132-15 35 AVE*	*WSW 1/8 - 1/4 (0.161 mi.)*	*N102*	*315*
CON EDISON - FARRINGTON ST FLU	*31-06 FARRINGTON STREET*	*N 1/8 - 1/4 (0.169 mi.)*	*T118*	*345*
KIMS AUTO	*32-32 LINDEN PL*	*N 1/8 - 1/4 (0.169 mi.)*	*U126*	*377*
THERMAX WIRE CORP	*32-02 LINDEN PL*	*N 1/8 - 1/4 (0.179 mi.)*	*U133*	*394*
GOLDEN OLDIES LTD	*132-29 33RD AVE*	*WNW 1/8 - 1/4 (0.182 mi.)*	*P137*	*410*
CONSOLIDATED EDISON	32ND AVE & LINDEN PL	N 1/8 - 1/4 (0.182 mi.)	U140	421
CONSOLIDATED EDISON OF NY	LINDEN PLACE & 32 AVE	N 1/8 - 1/4 (0.182 mi.)	U142	424
CON EDISION - M-402	*COLLEGE POINT BLVD. & 3*	*WSW 1/8 - 1/4 (0.191 mi.)*	*X160*	*443*
YONKE AUTO BODY WORKS, INC.	*36-07 BUDD PL*	*SSW 1/8 - 1/4 (0.196 mi.)*	*AA171*	*459*
NORTHERN BLVD MAZDA	*36-09 BUD PL*	*SSW 1/8 - 1/4 (0.196 mi.)*	*AA173*	*471*
NYCDEP QUEENS NORTH SEWER MAIN	*133-25 32ND AVE*	*NW 1/8 - 1/4 (0.197 mi.)*	*V176*	*479*
CON ED - 32 AVE & DOWNINE ST	*32 AVE & DOWNINE ST*	*NW 1/8 - 1/4 (0.197 mi.)*	*V180*	*490*
CON ED - DOWNING ST & 32ND AVE	*DOWNING ST & 32ND AVE*	*NW 1/8 - 1/4 (0.197 mi.)*	*V181*	*493*
BROTHERS COMPLETE AUTO REPAIR	*32-10 137TH ST*	*NNE 1/8 - 1/4 (0.204 mi.)*	*AE195*	*520*
CON EDISON	*34-30 COLLEGE POINT BLV*	*W 1/8 - 1/4 (0.206 mi.)*	*Y201*	*533*
CON EDISON	*34-30 COLLEGE POINT BLV*	*W 1/8 - 1/4 (0.206 mi.)*	*Y203*	*536*
FLUSHING SUB STATION	*34-30 COLLEGE POINT BLV*	*W 1/8 - 1/4 (0.206 mi.)*	*Y204*	*538*
A D T SECURITIES	*136-25 37TH AVE*	*SSE 1/8 - 1/4 (0.210 mi.)*	*Z215*	*558*
133-15 32ND AVE/USPS	*133-15 32ND AVENUE*	*NW 1/8 - 1/4 (0.217 mi.)*	*AI227*	*579*
CONSOLIDATED EDISON	*34-30 COLLEGE PT BLVD*	*WSW 1/8 - 1/4 (0.217 mi.)*	*Y228*	*581*
NYCDOT - MUNICIPAL PARKING	*UNION ST BETW 39TH & 37*	*SE 1/8 - 1/4 (0.219 mi.)*	*Z231*	*585*
NYCDEP	133-05 32ND AVE	NW 1/8 - 1/4 (0.219 mi.)	AI232	588
CONSOLIDATED EDISON	32ND AVE & HIGGINS ST	WNW 1/8 - 1/4 (0.225 mi.)	AI251	639
CONSOLIDATED EDISON	HIGGINS AND 32ND AVE	WNW 1/8 - 1/4 (0.225 mi.)	AI252	641
CONSOLIDATED EDISON	33 AVE & COLLEGE PT BLV	WNW 1/8 - 1/4 (0.249 mi.)	AK291	731
CON EDISION - M-1451	*OPP N/E/C COLLEGE POINT*	*WNW 1/8 - 1/4 (0.249 mi.)*	*AK293*	*733*

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 08/01/2013 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS #3244	*137-61 NORTHERN BLVD*	*ESE 1/8 - 1/4 (0.148 mi.)*	*Q95*	*290*
CON EDISON - FARRINGTON ST FLU	*31-06 FARRINGTON STREET*	*N 1/8 - 1/4 (0.169 mi.)*	*T118*	*345*

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 08/01/2013 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL OIL-#17-GYX LAI S	*137-17 NORTHERN BLVD*	*SE 0 - 1/8 (0.109 mi.)*	*J64*	*176*

EXECUTIVE SUMMARY

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 06/17/2013 has revealed that there are 4 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 46,TAXBLOCK 4949	134-03 35 AVENUE	W 0 - 1/8 (0.016 mi.)	A3	14

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 63,TAXBLOCK 4958	135-11 NORTHERN BOULEVA	SSW 0 - 1/8 (0.082 mi.)	H39	116
LOT 67,TAXBLOCK 4958	135-01 NORTHERN BOULEVA	SSW 0 - 1/8 (0.090 mi.)	H46	148
CAR	***135-05 NORTHERN BLVD***	***SSW 0 - 1/8 (0.103 mi.)***	***H55***	***162***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON-ED FARRINGTON STREET GAS H	FARRINGTON STREET AT 32	NNW 1/8 - 1/4 (0.191 mi.)	T161	445
CON EDISON - FARRINGTON ST. GA	BLOCK 4406 LOT 30 AND 1	NNW 1/8 - 1/4 (0.202 mi.)	AD193	519

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 63 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	13403 35TH AVE	SW 0 - 1/8 (0.044 mi.)	B18	71
Not reported	3622 UNION ST	ESE 1/8 - 1/4 (0.216 mi.)	W226	579
Not reported	3624 UNION ST	ESE 1/8 - 1/4 (0.218 mi.)	W230	585

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	13516 37TH AVE	S 1/8 - 1/4 (0.234 mi.)	AC262	653

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	13501 35TH AVE	ESE 0 - 1/8 (0.012 mi.)	A2	14
Not reported	3514 FARRINGTON ST	SE 0 - 1/8 (0.023 mi.)	A6	33
Not reported	3527 FARRINGTON ST	SE 0 - 1/8 (0.032 mi.)	C11	68
Not reported	3360 PRINCE ST	WNW 0 - 1/8 (0.034 mi.)	D12	69
Not reported	3354 PRINCE ST	WNW 0 - 1/8 (0.034 mi.)	D13	69
Not reported	3530 FARRINGTON ST	SE 0 - 1/8 (0.035 mi.)	C14	69
Not reported	3370 PRINCE ST	W 0 - 1/8 (0.037 mi.)	B15	69
Not reported	3346 PRINCE ST	WNW 0 - 1/8 (0.038 mi.)	D16	70
Not reported	3343 PRINCE ST	NW 0 - 1/8 (0.043 mi.)	D17	70
Not reported	3369 FARRINGTON ST	N 0 - 1/8 (0.056 mi.)	E23	91
Not reported	3367 FARRINGTON ST	N 0 - 1/8 (0.057 mi.)	E25	93
Not reported	3311 PRINCE ST	NW 0 - 1/8 (0.058 mi.)	26	93
Not reported	3448 LINDEN PL	NE 0 - 1/8 (0.070 mi.)	F33	104
Not reported	13601 35TH AVE	E 0 - 1/8 (0.071 mi.)	G34	104
Not reported	3554 PRINCE ST	SSW 0 - 1/8 (0.077 mi.)	H37	114
Not reported	13635 35TH AVE	E 0 - 1/8 (0.085 mi.)	G43	144
Not reported	13511 NORTHERN BLVD	SSW 0 - 1/8 (0.099 mi.)	H52	160
Not reported	13505 NORTHERN BLVD	SSW 0 - 1/8 (0.103 mi.)	H54	162
Not reported	13707 NORTHERN BLVD	SE 0 - 1/8 (0.104 mi.)	J59	172
Not reported	13717 NORTHERN BLVD	SE 0 - 1/8 (0.106 mi.)	J60	172
Not reported	13501 NORTHERN BLVD	SSW 0 - 1/8 (0.107 mi.)	H61	173
Not reported	13316 35TH AVE	WSW 0 - 1/8 (0.123 mi.)	N74	240
Not reported	3557 PRINCE ST	SSW 1/8 - 1/4 (0.132 mi.)	81	263
Not reported	13623 LATIMER PL	NNE 1/8 - 1/4 (0.134 mi.)	K83	274
Not reported	13305 35TH AVE	WSW 1/8 - 1/4 (0.134 mi.)	N84	275
Not reported	3501 COLLINS PL	WSW 1/8 - 1/4 (0.140 mi.)	N86	277
Not reported	3505 COLLINS PL	WSW 1/8 - 1/4 (0.140 mi.)	N87	278
Not reported	13239 34TH AVE	WNW 1/8 - 1/4 (0.145 mi.)	P92	285
Not reported	13233 34TH AVE	WNW 1/8 - 1/4 (0.148 mi.)	P94	289
Not reported	3506 LEAVITT ST	E 1/8 - 1/4 (0.156 mi.)	R97	296
Not reported	13406 NORTHERN BLVD	SW 1/8 - 1/4 (0.162 mi.)	S104	320
Not reported	13215 35TH AVE	WSW 1/8 - 1/4 (0.162 mi.)	N105	320
Not reported	3208 FARRINGTON ST	N 1/8 - 1/4 (0.163 mi.)	T106	321
Not reported	13201 34TH AVE	WNW 1/8 - 1/4 (0.166 mi.)	P110	332
Not reported	3232 LINDEN PL	N 1/8 - 1/4 (0.168 mi.)	U111	332
Not reported	3235 LINDEN PL	N 1/8 - 1/4 (0.168 mi.)	U112	333
Not reported	13347 32ND AVE	NW 1/8 - 1/4 (0.180 mi.)	V135	409
Not reported	13230 33RD AVE	WNW 1/8 - 1/4 (0.181 mi.)	P136	410
Not reported	13330 32ND AVE	NW 1/8 - 1/4 (0.183 mi.)	V143	425
Not reported	13606 32ND AVE	N 1/8 - 1/4 (0.184 mi.)	U144	426
Not reported	3501 COLLEGE POINT BLV	WSW 1/8 - 1/4 (0.185 mi.)	X145	426
Not reported	13328 32ND AVE	NW 1/8 - 1/4 (0.185 mi.)	V146	427
Not reported	3503 COLLEGE POINT BLV	WSW 1/8 - 1/4 (0.185 mi.)	X147	427
Not reported	13225 33RD AVE	WNW 1/8 - 1/4 (0.185 mi.)	P148	428
Not reported	3509 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.185 mi.)	X153	434
Not reported	3511 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.186 mi.)	X154	435
Not reported	13615 32ND AVE	N 1/8 - 1/4 (0.187 mi.)	U155	435
Not reported	3607 BUDD PL	SSW 1/8 - 1/4 (0.194 mi.)	AA165	449
Not reported	3616 BUDD PL	SSW 1/8 - 1/4 (0.197 mi.)	AA182	495
Not reported	3521 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.199 mi.)	S185	498
Not reported	3210 137TH ST	NNE 1/8 - 1/4 (0.202 mi.)	AE194	519
Not reported	3417 COLLEGE POINT BLV	W 1/8 - 1/4 (0.207 mi.)	Y210	553

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3612 UNION ST	ESE 1/8 - 1/4 (0.210 mi.)	W217	563
Not reported	3550 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.216 mi.)	AH225	578
Not reported	13675 37TH AVE	SE 1/8 - 1/4 (0.220 mi.)	Z237	606
Not reported	13322 KING RD	SW 1/8 - 1/4 (0.227 mi.)	AH257	648
Not reported	13316 KING RD	SW 1/8 - 1/4 (0.230 mi.)	AH260	651
Not reported	3603 COLLEGE POINT BLV	SW 1/8 - 1/4 (0.241 mi.)	AH276	709
Not reported	3138 LINDEN PL	N 1/8 - 1/4 (0.248 mi.)	AL284	722

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	13950 35TH AVE	E 1/8 - 1/4 (0.245 mi.)	AF280	716

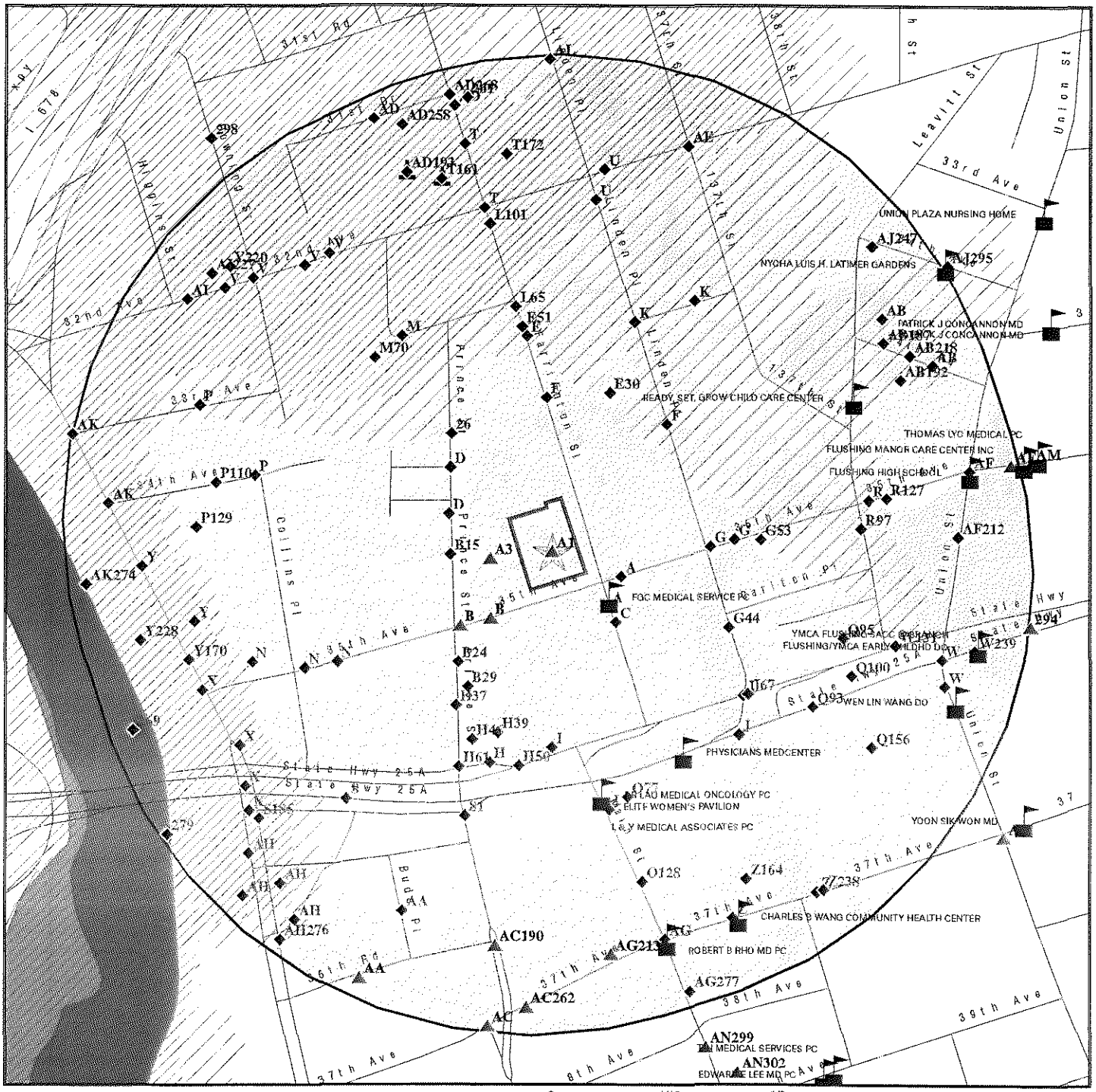
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3540 UNION ST	E 1/8 - 1/4 (0.209 mi.)	AF212	555
Not reported	3705 MAIN ST	SSE 1/8 - 1/4 (0.213 mi.)	AG222	572
Not reported	13691 37TH AVE	SE 1/8 - 1/4 (0.222 mi.)	Z238	606
Not reported	3147 LINDEN PL	N 1/8 - 1/4 (0.240 mi.)	AL275	709

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
NYSDOT	FINDS,RCRA-NLR,MANIFEST
NYSDOT	FINDS,RCRA-NLR,MANIFEST
CONSOLIDATED EDISON CO #3000	MANIFEST
NYSDOT BIN 1075970	RCRA-LQG
NYSDOT BIN 1075950	RCRA-LQG
NYSDOT BIN 1055900	RCRA-LQG
NYSDOT BIN 1055950	RCRA-LQG
NYSDOT BIN 105591G	RCRA-LQG
NYSDOT BIN 1055890	RCRA-LQG
NYSDOT BIN 105575C	RCRA-LQG
NYSDOT BIN 1075930	RCRA-LQG
NYSDOT BIN 105591B	RCRA-LQG
NYSDOT BIN 105591C	RCRA-LQG
NYSDOT BIN 1055930	RCRA-LQG
NYSDOT BIN 1076700	RCRA-LQG
NYSDOT BIN 105575B	RCRA-LQG
NYSDOT BIN 105578H	RCRA-LQG
NYSDOT BIN 1076767	RCRA-LQG
NYSDOT BIN 1075980	RCRA-LQG
NYSDOT BIN 1075960	FINDS,RCRA-NLR

DETAIL MAP - 3772487.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 134-37 35th Avenue, Flushing ADDRESS: 134-37 35th Avenue Flushing NY 11354 LAT/LONG: 40.7647 / 73.8323	CLIENT: Fanning, Phillips & Molnar CONTACT: George Holmes INQUIRY #: 3772487.1s DATE: October 31, 2013 10:29 am

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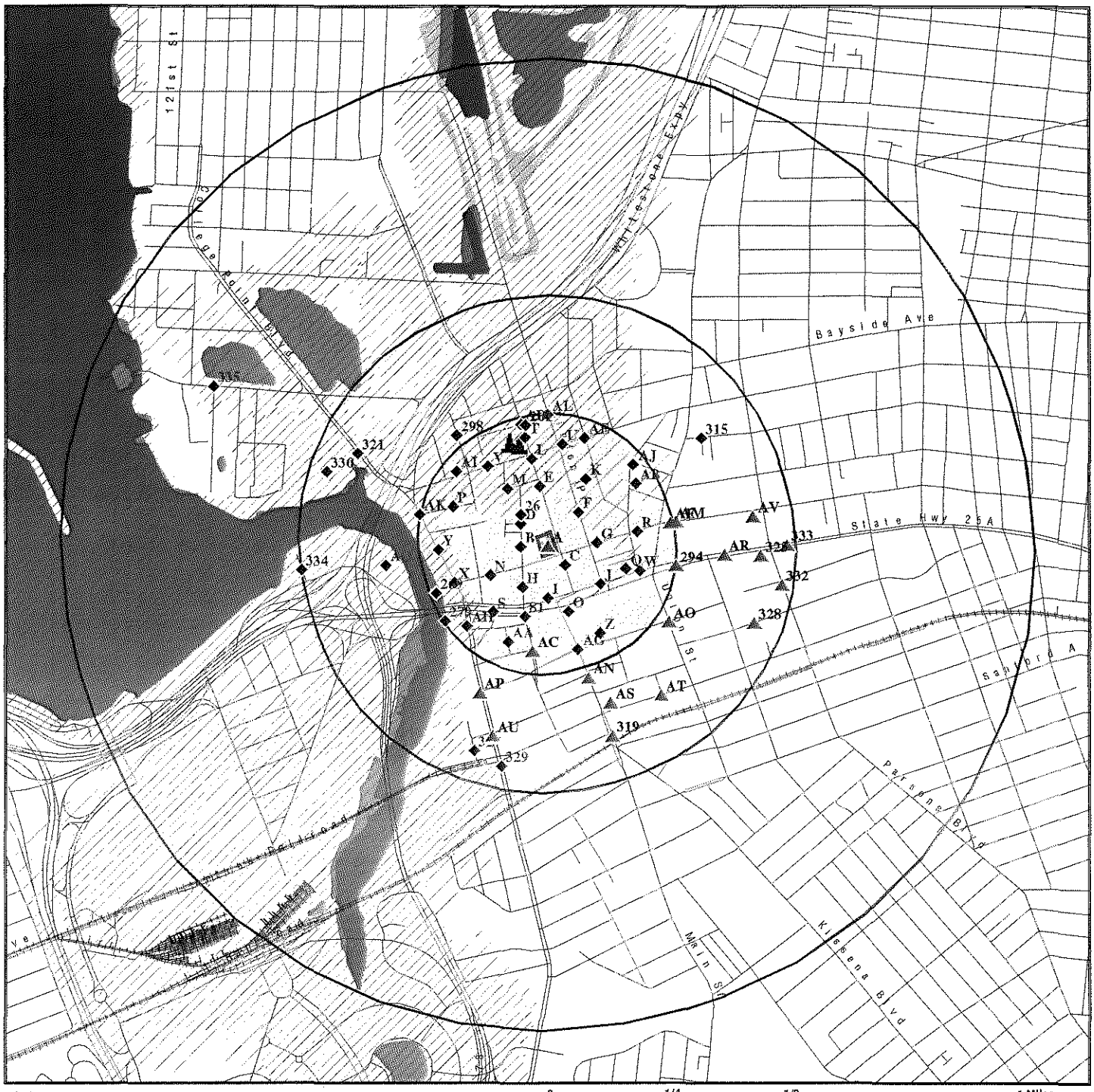
OVERVIEW MAP - 3772487.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 134-37 35th Avenue, Flushing ADDRESS: 134-37 35th Avenue Flushing NY 11354 LAT/LONG: 40.7647 / 73.8323	CLIENT: Fanning, Phillips & Molnar CONTACT: George Holmes INQUIRY #: 3772487.1s DATE: October 31, 2013 10:28 am

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LOT 46,TAXBLOCK 4949 (Continued) **S110541040**

Year Altered1:	1988
Year Altered2:	1999
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.70
Maximum Allowable Far:	01.00
Borough Code:	4
Borough Tax Block And Lot:	4049490046
Condominium Number:	00000
Census Tract 2:	088902
X Coordinate:	1030524
Y Coordinate:	0217901
Zoning Map:	10A
Sanborn Map:	405 002
Tax Map:	42501
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A4 **OLD GAS STATION** **NY Spills** **S106006889**
ESE **135-19 35TH AV** **N/A**
< 1/8 **FLUSHING, NY 11354**
0.020 mi.
106 ft. **Site 4 of 7 in cluster A**

Relative:
Lower

Actual:
30 ft.

SPILLS:

Facility ID:	0205487
DER Facility ID:	174888
Facility Type:	ER
Site ID:	210969
DEC Region:	2
Spill Date:	8/26/2002
Spill Number/Closed Date:	0205487 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	8/26/2002
CID:	365
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	1
Date Entered In Computer:	8/26/2002

OLD GAS STATION (Continued) **S106006889**

Spill Record Last Update: 9/20/2011
Spiller Name: Not reported
Spiller Company: OLD GAS STATION
Spiller Address: 135-19 35TH AV
Spiller City,St,Zip: FLUSHING, NY
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"12/2/2003 Transferred from Sangesland to RommelAlbany assignment: "gfmomber"9/7/06 - Austin - Assigned from Albany to Region 2 staff (Ketani) for review and closure - end9/22/06 - Raphael Ketani. Nothing has happened on the case and there is very little in the file. I tried to contact John Gearrity of the NYC Dept. of Design and Construction (718) 391-1799, but could only leave a message. The site is a former gas station. It is not known whether any clean up has taken place. 11/8/06 - Raphael Ketani. There has been no response from Mr. Gearrity. From ACRIS, I found that the owners are: (party #1) National Bank of New York City, 136-29 38 Avenue, Flushing, 11354; and (party #2) TOIVO Property, Inc., 135-19 38 Avenue, Flushing, 11354. The block and lot are: 04950/0103. The PBS case is: #2-188662. A 275 gal. tank with an unknown liquid is still on site. The other 12 tanks were closed in 1972. I sent CSL letters to both parties. 11/10/06 - Raphael Ketani. I received a call from Norma Harrington of the National Bank of New York City (718) 358-4400, ext 452. She said she had received the CSL. She added that the mortgage was paid off in 2003 and she thought that Toivo Property had sold the site. She said she will look for documentation as to who bought the property. 11/14/06 - Raphael Ketani. Ms. Harrington called me back. She said that all she had was that the property was transferred to the City of New York. She said the date of sale was 10/8/03.11/20/06 - Raphael Ketani. Scott Patterson of JER Revenue Services (203) 503-6236 contacted me via e-mail and told me that the City now owns the property. He said the city took possession on 12/29/03. There were no tax lien sales noted. There was no more information on who owns the site.11/29/06 - Raphael Ketani. Today, I sent a CSL to the NYC Dept. of Finance, Correspondence Unit, 66 John Street, 3rd Floor, NY, 10038. The document i.d. is #2003101001652001.1/22/07 - Raphael Ketani. I visited the site and took pictures. The site is being used as a reserved parking lot. There was a 275 gal. tank on site that was leaning against one wall. I smelled oil in the tank and saw that it was about one quarter full. It could not be determined who owned the site. There were name signs on the chain link fence, but they were in Korean or Chineese. I saw that window and stormdoor service company trucks were parked on two spaces. I wrote down the name and address, Main Glass Co. at 35-11 Farrington Street in Flushing (718) 445-1250, and visited the store. I spoke to the manager and he produced a bill for paying the parking rental fee. The bill was from the Flushing Council on Culture and the Arts, Inc., 137-35 Northern Blvd., Flushing. I went to the place and spoke to a person in the office at the museum and cultural center. She contacted the manager of the center. This person put me in touch with Tim Thayer, Assistant Commissioner, NYC Dept. Cultural Affairs, 31 Chambers Street, 2nd Floor, NY, 10007. His phone is (212) 513-9339. He said that the Dept. of Cultural Affairs owned the site and that the Flushing Council on Culture and the Arts managed it. He said to send the CSL to him. 1/23/07 - Raphael Ketani. I never received a return receipt card from

OLD GAS STATION (Continued) **S106006889**

the Dept. of Finance. However, I sent a new CSL to Tim Thayer, Assistant Commissioner, the NYC Dept. of Cultural Affairs.3/16/07 - Raphael Ketani. Thalia Husain, Capital Projects Manager of the Department of Cultural Affairs (212) 513-9336, called to ask what was done to investigate and cleanup the site. I told her the gas pumps were gone, the 275 gal. waste oil tank was still on site, the 12 gas tanks were closed, but not indicated as removed, and that there is no information in the paper case file as regards anything else being done. I told her that DEC had no records of the tanks or soil being removed. I told her an investigation and remediation were necessary. She said she was just trying to assess the situation to figure out what type of work needed to be done. 4/3/07 - Raphael Ketani. I reviewed the 3/22/07 Preliminary Site Investigation Report produced and submitted by Greyhawk, 30-30 Thomson Avenue, Ste 650, LIC. Scott Ranger, assistant project manager (718) 943-1100, ext 305, is the contact. The report was found to be satisfactory with the following DEC requirements for additional investigative work:1) the 275 gal. tank behind the former gas station has to be registered2) both 275 gal. tanks need to be listed as closed and removed on PBS case #2-1886623) need a map depicting the locations of the lifts, groundwater elevation and groundwater flow direction4) dark brown sand was sampled at 24 feet below grade at SB-4 and SB-6, PID readings were noted at SB-6 at this level, staff from Greyhawk should lookout for this sand and, if encountered, should indicate whether it is oil saturated or simply naturally brown in color5) soil borings need to be done infront of the tank bed, in the vicinity of each lift, inside the repair shop, inside the office, around SB-3, and behind the former gas station building -before the borings are done, a plan must be submitted to the DEC for approval 4/11/07 - Raphael Ketani. Today, I received the Additional Site Investigation Work Plan dated 4/6/07 from Wendy Monterosso (ext 318) of Greyhawk.The plan discussed the installation of 4 additional borings just north of the tank field and in the vicinity of boring SB-03. Samples will be collected for soil and groundwater via methods 8260 and 8270.The plan didn't discuss the registration, cleaning out, and removal of the two 275 gal. tanks. Nor did it show the locations of the lifts, or discuss the installation of borings in the vicinity of the lifts, the office and the northern third of the property. I called Ms. Monterosso and let her know my above comments and asked that she call me to discuss them.4/12/07 - Raphael Ketani. Today I received calls from Fatemeh Ashkan, PhD., Senior Project Manager, NYC DDC, Transportation Program Unit, 5th Floor, 30-30 Thomson Avenue, LIC, 11101 ((718) 391-1004; AshkanF@ddc.nyc.gov), and Scott Ranger, Project Manager, Greyhawk, 30-30 Thomson Avenue, Ste 650, LIC, 11101 (sranger@greyhawk.com; FAX (718) 943-1139). I explained to each of them what the DEC required in the way of additional investigative work and I e-mailed a copy of my April 5, 2007 response letter. I also FAXed Mr. Ranger a site plan with the additional borings indicated on it.Wendy Monterosso's e-mail address is: wmonterosso@rouxinc.com.I also sent an original of the April 5, 2007 letter to Ms. Ashkan, Mr. Ranger, and Ms. Monterosso.5/2/07 - Raphael Ketani. I spoke to Mr. Ranger (908) 879-8598 regarding the site. He said that he was very concerned about doing borings inside the building as it is unstable and has asbestos. I told him that he must send DEC a letter stating this so that we have documentation as to why no borings were done inside. He suggested moving the lift borings elsewhere. I told him that he shouldn't put them close to other

OLD GAS STATION (Continued) **S106006889**

planned borings. I added that if they are too close, then install borings on the east side of the building and another in back. He said this sounded alright.5/4/07 - Raphael Ketani. Mr. Ranger e-mailed me today requesting permission to remove the two 275 gal. waste oil tanks on the site. I told him DEC must first receive the paperwork for registering the one unregistered AST and then we have to check the revised PBS form to see that it's been done correctly. After this, I wrote, he has to set a date 30 days in advance for removal of the tanks. He also e-mailed me the revised boring plan map for the site. I looked it over and wrote back that the additional boring locations were fine. I told him to starting the drilling as soon as is feasible. 6/11/07 - Raphael Ketani. Today I received the June 11, 2007 Revised Additional Site Investigation Work Plan (RASIWP) produced and submitted by Greyhawk.6/20/07 - Raphael Ketani. I reviewed the RASIWP and found it acceptable. I called up Mr. Ranger and told him the report was fine and to start the investigation as soon as possible. He asked for e-mail confirmation of the approval. I sent him an e-mail sranger@greyhawk.com.6/27/07 - Raphael Ketani. Mr. Ranger e-mailed me that the drilling dates are July 9 and 10.7/5/07 - Raphael Ketani. Mr. Ranger e-mailed me that the drilling has been postponed.10/23/07 - Raphael Ketani. I tried to contact Mr. Ranger and Ms. Ashkan, but could only leave messages requesting information regarding the investigation.10/24/07 - Raphael Ketani. Ms. Ashkan returned my call. She said that they are having a problem arranging funding to do the investigative work at the site. So they are still waiting for the funding, but she hasn't forgotten about the project.11/1/07 - Raphael Ketani. Ms. Ashkan sent me the following e-mail:An update- DCA has decided to pursue a parking lot project on the site(just demolishing the buildings and flattening the site/painting/etc)as the future scope for the site. This way, the remediation will beconnected to a capital project, and therefore we can use capitaldollars. We are just talking with the Borough Presidents office rightnow (because the funding is from them) and the organization (FlushingTown Hall) to make sure they are okay with the project. We will thensubmit the scope to OMB, and hopefully this will get the CP approved. We hope to get an okay from the BP's office and the organization byearly next week- and we will submit a scope to OMB right after this, sohopefully, this will not be delayed much longer. Thanks!Thalia Husain12/6/07 - Raphael Ketani. I tried contacting Ms. Ashkan, but could only leave a message. 12/10/07 - Raphael Ketani. Ms. Ashkan (718) 391-1004 called to say that she had been out sick, but now she is back. She said that the investigation could not be a Capitol Budget project to build a parking lot as there is no money available. So she contacted Ms. Husain (212) 513-9336 and submitted the details of the project to her. Ms. Husain, in turn, submitted the project to the Queens Borough President's office on 11/9/07. However, there has been no response. Ms. Ashkan will contact Ms. Husain and see where things stand.I tried to contact Ms. Husain, but could only leave a message.2/25/08 - Raphael Ketani. I spoke to Ms. Ashkan. She said that the approval to do the borings as part of a plan to make a parking lot was approved last week. She said that they prepared a package to register the money with another City office - that's how the process works, she said. Cultural Affairs combined the parking lot project with the borings project and that's how things got approved. Greyhawk is working on a PBS update right now and she will let me know when the borings are scheduled to start.3/17/08 - Raphael Ketani. Today I received the revised PBS registration form with

OLD GAS STATION (Continued) **S106006889**

original signature and a copy of the deed from Scott Ranger of Greyhawk (718) 943-1100. I forwarded the documents to Nick Lombardo of the PBS Unit.Also, I received a letter dated 3/14/08 from Mr. Ranger giving an updated schedule for the start of the investigative work that will take place. The letter also served as an addendum to the 6/11/07 Additional Site Investigation Work Plan. Mr. Ranger is the lead person for this project. 4/4/08 - Raphael Ketani. Mr. Ranger e-mailed me today that the investigation will start on 4/21/08 and will probably last for 5 days. 6/20/08 - Raphael Ketani. I received a copy of a letter addressed to Nick Lombardo of the PBS Unit stating that the two 275 gallon waste oil ASTs were emptied, cleaned out and removed from the site.Also, I began my review of the 6/6/08 Investigation Summary Report for the site. 6/26/06 - Raphael Ketani. I finished my review of the ISR. The only comments I had were that the groundwater has elevated contamination in the vicinity of boring #137-RXSB-05 with 1978 ppb of total VOCs. Sample #137-RXSB-04 had 327 ppb of total VOCs. They hit an obstruction at #137-RXSB-10 and had to move the boring over. So, I wrote a letter requesting additional groundwater sampling at #04, additional investigation at #05, and a determination as to the origin of the obstruction at #10. 7/15/08 - Raphael Ketani. Mr. Ranger sent me an e-mail regarding my comments on the 6/6/08 ISR. He commented that DEC didn't specifically address Greyhawk's recommendations, but we did appear to be in agreement with them. He also wrote that location SB-04 was only a soil boring, not a well. He asked whether DEC wanted a well at this location, too. I wrote back that we did. 8/18/08 - Raphael Ketani. The case is being prepared for transfer due to a case realignment within the unit. The case manager should make a followup call to see how the investigation is progressing.10/27/08- Zhune. The Investigation Summary Report dated October 20,2008 was reviewed.VOC concentrations in groundwater significantly decreased in the samples collected north of the former tank bed from April 23,2008 to September 2,2008. At the RXMW-01 location groundwater VOC concentrations decreased from 327 to 218ug/L. Al the RXMW-02 location, groundwater VOC concentrations decreased from 1,978 to 819 ug/L. The only contaminant detected in MW-04 was tetrachloroethylene at 10 ug/L. (This concentration is slightly above the NYSDEC AWQSGV of 5 ug/L.) 02/20/09 Scott ranger sent an e-mail saying: The next round of semi-annual groundwater sampling to be performed at the above referenced Site is tentatively scheduled for March 10, 2009. The groundwater sampling and analysis will be performed by GREYHAWK's design consultant, Roux Associates, Inc. (Roux) in accordance with the recommendations incorporated in the October 20, 2008 Investigation Summary Report.The sampling date will be confirmed by GREYHAWK/Roux prior to mobilization to perform the work.06/23/10- zhune spoke to Mr. Scott Ranger. he said Greyhank is no longer involved in the project. He also said the March, 2009 round of ground water sampling was performed that I have to call Ms. Ashkan from DDC to get the results.06/23/10-Zhune spoke to Ms. Ashkran, She will sent the analytical for the last round of groundwater sampling.

Remarks: historical spill - residual in soil - former gas station - they will discuss clean up w/ the case investigator once spill gets assigned

Material:

Site ID:	210969
Operable Unit ID:	858126
Operable Unit:	01
Material ID:	519688

OLD GAS STATION (Continued) **S106006889**

Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A5 ESE < 1/8 0.020 mi. 106 ft. **FLUSHING TOWN HALL PARKING LOT - FORMER GAS STATIO** **NY UST U000396244**
135-19 35TH AVENUE **NY AST N/A**
FLUSHING, NY 11354

Site 5 of 7 in cluster A

Relative: Lower
Actual: 30 ft.

UST:

Id/Status:	2-188662 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	598617.86262000003
UTM Y:	4513273.0531000001
Site Type:	Other

Affiliation Records:

Site Id:	5722
Affiliation Type:	On-Site Operator
Company Name:	FLUSHING TOWN HALL PARKING LOT - FORMER GAS STATIO
Contact Type:	Not reported
Contact Name:	CATHY HUNG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 463-7700 235
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/25/2008

Site Id:	5722
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPT OF CULTURAL AFFAIRS
Contact Type:	Not reported
Contact Name:	SUSAN CHIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999

FLUSHING TOWN HALL PARKING LOT - FORMER GAS STATIO (Continued) **U000396244**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	05/28/2008
Register:	True
Modified By:	NRLOMBAR
Last Modified:	06/25/2008
Material Name:	#2 Fuel Oil (On-Site Consumption)

A6
SE
< 1/8
0.023 mi.
119 ft.

3514 FARRINGTON ST
FLUSHING, NY 11354

EDR US Hist Auto Stat **1015443904**
N/A

Site 6 of 7 in cluster A

Relative:
Lower

Actual:
29 ft.

EDR Historical Auto Stations:

Name:	HUANG HOU CAR SERVICE
Year:	2011
Address:	3514 FARRINGTON ST

Name:	HUANG HOU CAR SERVICE
Year:	2012
Address:	3514 FARRINGTON ST

B7
SW
< 1/8
0.027 mi.
144 ft.

134-37 35TH AVENUE
134-25 35TH AVENUE
FLUSHING, NY 11355

NY HIST AST **S107782468**
N/A

Site 1 of 10 in cluster B

Relative:
Higher

Actual:
32 ft.

HIST AST:

PBS Number:	2-455458
SWIS Code:	6301
Operator:	MARK GINSBERG
Facility Phone:	(516) 883-0707
Facility Addr2:	Not reported

134-37 35TH AVENUE (Continued) **S107782468**

Facility Type:	PRIVATE RESIDENCE
Facility Type:	OTHER
Emergency:	MARK GINSBERG
Emergency Tel:	(516) 883-0707
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	TRUST FBO SIDNEY GINSBERT
Owner Address:	134-37 35TH AVENUE
Owner City,St,Zip:	FLUSHING, NY 11355
Federal ID:	Not reported
Owner Tel:	(516) 883-0707
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	NICHOLAS J. RECCHIA
Mailing Name:	EEA INC.
Mailing Address:	55 HILTON AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN CITY, NY 11530
Mailing Telephone:	(516) 746-4400
Owner Mark:	Third Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	Not reported
Expiration:	06/29/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2
Tank ID:	006
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	KEROSENE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported

134-37 35TH AVENUE (Continued) **S107782468**

Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	007
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	008
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity

134-37 35TH AVENUE (Continued) **S107782468**

Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	009
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	115
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	010
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	115
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported

134-37 35TH AVENUE (Continued) **S107782468**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	011
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	115
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	014
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported

134-37 35TH AVENUE (Continued) **S107782468**

Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	015
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	275
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

B8 **134-37 35TH AVENUE** **NY LTANKS** **U003074841**
SW **134-25 35TH AVENUE** **NY UST** **N/A**
< 1/8 **FLUSHING, NY 11355** **NY HIST UST**
0.027 mi. **NY AST**
144 ft. **Site 2 of 10 in cluster B**

Relative:
Higher

Actual:
32 ft.

LTANKS:

Site ID:	96953
Spill Number/Closed Date:	9500509 / 5/18/1995
Spill Date:	4/12/1995
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	5/18/1995
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	GUTIERREZ
Referred To:	Not reported
Reported to Dept:	4/13/1995
CID:	Not reported
Water Affected:	Not reported

134-37 35TH AVENUE (Continued) **U003074841**

Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	5/15/1995
Spill Record Last Update:	3/20/2003
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	86430
DEC Memo:	Not reported
Remarks:	Not reported

Material:

Site ID:	96953
Operable Unit ID:	1014620
Operable Unit:	01
Material ID:	561410
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	96953
Spill Tank Test:	1543740
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

UST:

Id/Status:	2-455458 / Unregulated
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	N/A
UTM X:	598500.07947
UTM Y:	4513236.51162

134-37 35TH AVENUE (Continued) **U003074841**

Site Type: Private Residence

Affiliation Records:

Site Id: 20034
Affiliation Type: Facility Owner
Company Name: TRUST FBO SIDNEY GINSBERT
Contact Type: Not reported
Contact Name: Not reported
Address1: 134-37 35TH AVENUE
Address2: Not reported
City: FLUSHING
State: NY
Zip Code: 11355
Country Code: 001
Phone: (516) 883-0707
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20034
Affiliation Type: Mail Contact
Company Name: EEA INC.
Contact Type: Not reported
Contact Name: NICHOLAS J. RECCHIA
Address1: 55 HILTON AVENUE
Address2: Not reported
City: GARDEN CITY
State: NY
Zip Code: 11530
Country Code: 001
Phone: (516) 746-4400
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20034
Affiliation Type: On-Site Operator
Company Name: 134-37 35TH AVENUE
Contact Type: Not reported
Contact Name: MARK GINSBERG
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (516) 883-0707
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 20034
Affiliation Type: Emergency Contact
Company Name: TRUST FBO SIDNEY GINSBERT
Contact Type: Not reported

134-37 35TH AVENUE (Continued) **U003074841**

Contact Name:	MARK GINSBERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 883-0707
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	35897
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	04/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None

Tank Number:	002
Tank ID:	35898
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	04/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

134-37 35TH AVENUE (Continued) **U003074841**

Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Number: 003
Tank ID: 35899
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number: 004
Tank ID: 35900
Tank Status: Closed - In Place
Material Name: Closed - In Place

134-37 35TH AVENUE (Continued) **U003074841**

Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number:	005
Tank ID:	35901
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	08/01/1959
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
G07 - Tank Secondary Containment - Excavation Liner

134-37 35TH AVENUE (Continued) **U003074841**

Tank Number:	012
Tank ID:	35908
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number:	013
Tank ID:	35909
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

134-37 35TH AVENUE (Continued) **U003074841**

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

Tank Number:	016
Tank ID:	35912
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	04/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
F00 - Pipe External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
H04 - Tank Leak Detection - Groundwater Well

HIST UST:

PBS Number:	2-455458
SPDES Number:	Not reported
Emergency Contact:	MARK GINSBERG
Emergency Telephone:	(516) 883-0707
Operator:	MARK GINSBERG
Operator Telephone:	(516) 883-0707
Owner Name:	TRUST FBO SIDNEY GINSBERT
Owner Address:	134-37 35TH AVENUE
Owner City,St,Zip:	FLUSHING, NY 11355
Owner Telephone:	(516) 883-0707
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	EEA INC.
Mailing Address:	55 HILTON AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GARDEN CITY, NY 11530
Mailing Contact:	NICHOLAS J. RECCHIA
Mailing Telephone:	(516) 746-4400
Owner Mark:	Third Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.

134-37 35TH AVENUE (Continued) **U003074841**

Facility Addr2:	Not reported
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	PRIVATE RESIDENCE
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	06/29/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported

134-37 35TH AVENUE (Continued) **U003074841**

Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel

134-37 35TH AVENUE (Continued) **U003074841**

Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1959
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported

134-37 35TH AVENUE (Continued) **U003074841**

Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	016
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None

134-37 35TH AVENUE (Continued) **U003074841**

Second Containment:	None
Leak Detection:	Groundwater Well
Overfill Prot:	None
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-455458
Program Type:	PBS
UTM X:	598500.07947
UTM Y:	4513236.51162
Expiration Date:	N/A
Site Type:	Private Residence

Affiliation Records:

Site Id:	20034
Affiliation Type:	Facility Owner
Company Name:	TRUST FBO SIDNEY GINSBERT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	134-37 35TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11355
Country Code:	001
Phone:	(516) 883-0707
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20034
Affiliation Type:	Mail Contact
Company Name:	EEA INC.
Contact Type:	Not reported
Contact Name:	NICHOLAS J. RECCHIA
Address1:	55 HILTON AVENUE
Address2:	Not reported
City:	GARDEN CITY
State:	NY
Zip Code:	11530
Country Code:	001
Phone:	(516) 746-4400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

134-37 35TH AVENUE (Continued) **U003074841**

Date Last Modified:	3/4/2004

Site Id:	20034
Affiliation Type:	On-Site Operator
Company Name:	134-37 35TH AVENUE
Contact Type:	Not reported
Contact Name:	MARK GINSBERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 883-0707
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20034
Affiliation Type:	Emergency Contact
Company Name:	TRUST FBO SIDNEY GINSBERT
Contact Type:	Not reported
Contact Name:	MARK GINSBERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 883-0707
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	006
Tank Id:	35902
Material Code:	0012
Common Name of Substance:	Kerosene [#1 Fuel Oil] (On-Site Consumption)

Equipment Records:

	H00 - Tank Leak Detection - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	G00 - Tank Secondary Containment - None
	B00 - Tank External Protection - None
	I00 - Overfill - None
	A00 - Tank Internal Protection - None
	D02 - Pipe Type - Galvanized Steel
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported

134-37 35TH AVENUE (Continued) **U003074841**

Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Kerosene [#1 Fuel Oil] (On-Site Consumption)

Tank Number:	007
Tank Id:	35903
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	008
Tank Id:	35904
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

134-37 35TH AVENUE (Continued) **U003074841**

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	009
Tank Id:	35905
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	115
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	010
Tank Id:	35906
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None

134-37 35TH AVENUE (Continued) **U003074841**

I00 - Overfill - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	115
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	011
Tank Id:	35907
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	115
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	014
Tank Id:	35910
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

134-37 35TH AVENUE (Continued) **U003074841**

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

Tank Number:	015
Tank Id:	35911
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/1996
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Other

B9 SW < 1/8 0.027 mi. 144 ft. | **NYC DEPT OF SANITATION**
134-25 35TH AVE - Q-11A
QUEENS, NY

Site 3 of 10 in cluster B

RCRA NonGen / NLR
FINDS
NY LTANKS
NY MANIFEST
NY Spills

1000141003
NYD982725509

Relative: Higher

Actual: 32 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC DEPT OF SANITATION
Facility address:	134-25 35TH AVE - Q-11A QUEENS, NY 11354
EPA ID:	NYD982725509
Mailing address:	58TH ST RM 404 ATTN A MALUMED WOODSIDE, NY 11377
Contact:	Not reported
Contact address:	58TH ST RM 404 WOODSIDE, NY 11377
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RUTH GINSBERG
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	County
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	RUTH GINSBERG
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	County
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

NYC DEPT OF SANITATION (Continued) **1000141003**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYC DEPT OF SANITATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NYC DEPT OF SANITATION
Classification: Not a generator, verified

Date form received by agency: 04/02/1996
Facility name: NYC DEPT OF SANITATION
Site name: NYC DEPT OF SANITATION QUEENS 11A GARAGE
Classification: Large Quantity Generator

Date form received by agency: 03/01/1989
Facility name: NYC DEPT OF SANITATION
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000909161

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:
Site ID: 172348
Spill Number/Closed Date: 9500504 / 5/18/1995
Spill Date: 4/12/1995
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 5/18/1995
Cleanup Meets Standard: True
SWIS: 4101
Investigator: GUTIERREZ
Referred To: Not reported
Reported to Dept: 4/12/1995
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False

NYC DEPT OF SANITATION (Continued) **1000141003**

UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	5/5/1995
Spill Record Last Update:	1/17/1996
Spiller Name:	Not reported
Spiller Company:	CROMPCO CORP
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	145055
DEC Memo:	Not reported
Remarks:	4000 GAL. -PUMP PRODUCT FROM TANK TONIGHT -DIG TANK IN MORNING AND LOCATE PROB.

Material:

Site ID:	172348
Operable Unit ID:	1011273
Operable Unit:	01
Material ID:	369128
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	172348
Spill Tank Test:	1543739
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY MANIFEST:

EPA ID:	NYD982725509
Country:	USA
Mailing Name:	NEW YORK CITY DEPT OF SANITATION
Mailing Contact:	DAVID WONG
Mailing Address:	24-16 BRIDGE PLAZA SOUTH
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101

NYC DEPT OF SANITATION (Continued) **1000141003**

Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-937-3286

Document ID:	NJA2565126
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPES58
Trans2 State ID:	Not reported
Generator Ship Date:	970110
Trans1 Recv Date:	970110
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970110
Part A Recv Date:	Not reported
Part B Recv Date:	970203
Generator EPA ID:	NYD982725509
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NYB7930809
Manifest Status:	Completed copy
Trans1 State ID:	NY11340P
Trans2 State ID:	Not reported
Generator Ship Date:	950717
Trans1 Recv Date:	950717
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950718
Part A Recv Date:	950726
Part B Recv Date:	950801
Generator EPA ID:	NYD982725509
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01807
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01540
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	028
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

NYC DEPT OF SANITATION (Continued) **1000141003**

Year: 95

Document ID: NYB7554024
Manifest Status: Completed copy
Trans1 State ID: PD1946NY
Trans2 State ID: Not reported
Generator Ship Date: 950928
Trans1 Recv Date: 950928
Trans2 Recv Date: Not reported
TSD Site Recv Date: 951002
Part A Recv Date: 951010
Part B Recv Date: 951023
Generator EPA ID: NYD982725509
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD057770109
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

SPILLS:
Facility ID: 9416972
DER Facility ID: 145055
Facility Type: ER
Site ID: 172347
DEC Region: 2
Spill Date: 3/31/1995
Spill Number/Closed Date: 9416972 / 5/18/1995
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4101
Investigator: GUTIERREZ
Referred To: Not reported
Reported to Dept: 3/31/1995
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: 5/18/1995
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 3/31/1995
Spill Record Last Update: 1/17/1996
Spiller Name: Not reported
Spiller Company: DEPT OF SANITATION QE 11A
Spiller Address: 134-25 35TH AVENUE
Spiller City,St,Zip: QUEENS, NY

NYC DEPT OF SANITATION (Continued) **1000141003**

Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	CLOSING TANKS AND FOUND SPILL IN SOIL., NO NOTIFICATION IN PBS DATABASE.

Material:

Site ID:	172347
Operable Unit ID:	1010754
Operable Unit:	01
Material ID:	368596
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9416190
DER Facility ID:	145055
Facility Type:	ER
Site ID:	68408
DEC Region:	2
Spill Date:	3/15/1995
Spill Number/Closed Date:	9416190 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	ADZHITOM
Referred To:	OFF-SITE INVESTIGATION WILL BE PERFORMED
Reported to Dept:	3/15/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	5
Date Entered In Computer:	5/1/1995
Spill Record Last Update:	5/1/2013
Spiller Name:	Not reported
Spiller Company:	NYC DEPT. OF SANITATION
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported

NYC DEPT OF SANITATION (Continued) **1000141003**

Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"03/31/95: CONTAMINATED SOILS WERE FOUND WHEN CLOSING UST'S.04/12/95: 4000 GAL DIESEL FAILED TIGHTNESS TESTING, WILL PUMP PRODUCT IN THE MORNING, #95-00504, #94-16972 (3/31/95).04/12/95: RETESTED THE 4000 GAL DIESEL AND IT FAILED, METHOD USED US1, # 95-00509. LiRo installed and operated an SVE system to address soil contamination. LiRo advanced soil confirmation borings in May 2003 and samples were non-detect. J. Kolleen approved shut down of the SVE system, with continued semi-annual groundwater monitoring, on 9/17/03. In semi-annual monitoring report for period July - December 2004, LiRo recommended NFA. Kolleeny rejected in letter dated 2/28/05, since groundwater contination, while relatively low, does not show a clearly decreasing trend.This site transferred from Kolleeny to A. Zhitomirsky on 4/15/05. - JK8-9-2005 reviewed a Semi-Annual Monitoring Report for the period January - June 2005, submitted in July 2005 by LiRo Engineers, Inc. The report presented groundwater monitoring data for the site, where a soil vapor extraction system formerly operated. The groundwater data indicated low levels of petroleum-related compounds remaining in two on-site wells. LiRo recommends no further action for the site and closure of the associated spill number. The Department noted that although contaminant levels in the two impacted wells (MW-8 and MW-19) are relatively low, the wells do not show a clear trend of decreasing contamination. The Department requested that the City continue semi-annual groundwater monitoring. The request for no further action will be reevaluated in light of the future results. AZ11-16-2006 Received and reviewed report dated August 31, 2006. Total VOCs range from 11 ppb to 186 ppb with all detections being chlorinated VOCs except MW-13. Product sheen has been observed in MW-10. VOC concentrations increased in six wells. Residual chlorinated VOC contamination remains in all site monitoring wells. More evidence is needed to prove that, as per consultant's statement, chlorinated VOCs are originated from an upgradient offsite source. AZ6-21-2007 Reviewed report submitted on February 13, 2007. All USTs were closed in place in either April 1995 or October 1996. Since then, NYCDOS has moved out and the facility has been redeveloped entertainment/dining in the southern and western portions of the building. The SVE system was shut down on October 1, 2003 with approval from DEC. On November 2, 2006, Roux performed semi-annual groundwater monitoring. VOC (primarily chlorinated VOCs) concentrations increased in three monitoring wells during November 2006 sampling; MW-06 (from 34 ppb to 220 ppb), MW-13 (from 24 ppb to 48 ppb) and MW-19 (from 33 ppb to 192 ppb). According to Roux, chlorinated VOCs "have been determined to be from an upgradient offsite source." Roux stated that all VOC detections have been attributed to an upgradient site except for very low-level non-chlorinated VOCs remaining in MW-13 and MW-19. An e-mail was sent to B. Morrissey:According to Roux, chlorinated VOCs "have been determined to be from an upgradient offsite source." Also, Roux stated that all VOC detections have been attributed to an upgradient site except for very low-level non-chlorinated VOCs remaining in MW-13 and MW-19. Could you provide some evidence supporting these statements? AZ2-12-2008 Reviewed semi-annual report for January-September 2007 dated October 26, 2007.Of the 12 monitoring wells sampled chlorinated VOCs were detected in 8 wells. The highest total chlorinated VOC concentration was 410 ppb in MW-12 (sampled in August 2007). Contamination is confined to the east side

NYC DEPT OF SANITATION (Continued) **1000141003**

of the site. The primary chlorinated compound detected was tetrachloroethene. The location of the source is unknown. No obvious potential sources of chlorinated VOCs were identified during the field reconnaissance conducted on June 29, 2007.I discussed this site with Vadim Brevdo. It was decided that study of possible remedial options by the consultant is necessary. Conversation with Brian Morrissey. Roux will perform a Sensitive Receptor's Survey studying impacts of chlorinated VOCs and possible remediation options at the site. AZ2-19-2008 An e-mal which was discussed and approved by V.B was sent to Roux/DDC/Greyhawk:"I have reviewed bi-annual report for the above site received on November 13, 2007. We also discussed this site over the phone on February 12, 2008. Of the twelve monitoring wells sampled chlorinated VOCs were detected in 8 wells. The highest total chlorinated VOC concentration was 410 ppb in MW-12 (sampled in August 2007). Contamination is confined to the east side of the site. The primary chlorinated compound detected was tetrachloroethene. A the DEC request, Roux performed a field reconnaissance in order to determine potential off-site sources of chlorinated VOCs No obvious potential sources of chlorinated VOCs were identified during the field reconnaissance conducted on June 29, 2007. Based on the above information, DEC requests that the City submit proposals for remediation of existing chlorinated VOCs plume." AZ1-22-2008 An e-mal was sent to Roux/DDC/Greyhawk/V. Brevdo: "I have reviewed semi-annual report for the above site covering the period from October 2007 to June 2008. Roux proposed implementation of the additional work plan to further characterize the nature and extent of the impact of CVOCs in soil and groundwater. Also, Roux proposed collection of bioremediation samples. These proposals are approved. Investigative summary report should include proposals for remediation of CVOCs." AZ10-30-09 An e-mail was sent to Roux (Brian Morrissey)/DDC (Fatemeh Ashkan)/V.B.: "I have reviewed semi-annual report for the above site covering the period from July 2007 to January 2009 and submitted in April 2009. Roux proposed implementation of the additional work plan to further characterize the nature and extent of the impact of CVOCs in soil and groundwater. Also, Roux proposed collection of Bioremediation samples. These proposals were approved in February 2008, however this investigation has not been performed. Investigative summary report should include proposals for remediation of CVOCs." AZ 10-2-09 An e-mail was sent to Fatemeh Ashkan/ V. Brevdo/ Brian Morrissey: "Roux's proposals for the above site were approved almost 2 years ago, but the investigation has not started yet. Therefore, per my supervisor's instructions, the approved investigation should start within one month. If the investigation doesn't start within one month, the case will be referred to OGC for enforcement." AZ6-15-2011 Received a site turn-over report and semi-annual report (July 2010 to April 2011) on June 13, 2011. AZ9/21/2011 Reviewed a site turn-over report and semi-annual report (July 2010 to April 2011). Soil contamination was detected in soil sample at or below gw table at RXM-05s.There is a chlorinated VOC plume. LiRo suggested semi-annual monitoring and installation of ORC socks in MW-19 and RXMW-05S. I left a message for S. Frank asking to call back and discuss the site. AZ9/23/2011 I contacted S. Frank LiRo) and asked him that the LiRo's statement that chlorinated VOC contaminants are coming from an off-site source should be more substantiated. AZ9/26/2011 An email was sent to S. Frank/F. Ashkan/V. Brevdo:"Dear Steve,I have reviewed the above site turn-over report and semi-annual report dated June 9, 2011. We have discussed this

NYC DEPT OF SANITATION (Continued) **1000141003**

site on 9/23/2011. LiRo stated that they will discontinue sampling of chlorinated VOC. This decision can not be made unilaterally by LiRo. Such actions should be approved by NYSDEC. LiRo stated that a chlorinated VOC plume is a result of the off-site contamination. This statement should be well documented. The information which has been submitted so far is inconclusive. A source of off-site chlorinated contamination should be indicated. A report containing this information should be sent to V. Brevdo and to my attention.Currently, LiRo should maintain semi-annual sampling of all wells including sampling of chlorinated VOCs." AZ9-11-2012 An email was sent to S. Frank/F. Ashkan/V. Brevdo:"Dear Steve, I have reviewed a Monitoring Report for the above site dated June 5, 2012. The report proposed a reduction of frequency of sampling and reporting from semi-annual to annual. I disagree with this proposal. Monitoring, sampling and reporting should be performed semi-annually. The report suggested a reduction of the number of monitored wells. Please compile a list of the wells which should be excluded from the sampling. Also, the report proposed to conduct an additional investigation to define the source of the Chlorinated VOC plume. This proposal is approved. The Responsible Party and Contractors are responsible for the safe execution of the Work Plan. Sincerely, Alexander ZhitomirskyEngineering Geologist 2NYSDEC Region 2Division of Environmental Remediation" AZ4-11-2013 Reviewed semi-annual monitoring report dated 3-8-2013. The site re-development will take place. It may include excavation to support underground parking and/or other building infrastructure. DDC has advised the owner that closed in place USTs should be properly removed and petroleum contaminated soil should be properly managed. The property owner advised DDC that a sol vapor barrier would be installed in conjunction with any new construction. An email was sent to S. Frank/V. Brevo/F. Ashkan: "Dear Steve, I have reviewed a semi-annual monitoring report dated 3-8-2013 for the above site. The site will be re-developed. DDC has advised the owner that closed in place USTs should be properly removed and petroleum contaminated soil should be properly managed. I concur with this request. All encountered contaminated soil should be removed, if feasible. Soil and tank excavation should be monitored with a PID meter. Conditions of the excavated USTs should be recorded. Tank closure reports should be issued. If USTs are excavated, post-excavation samples should be taken. If USTs, which are not currently registered, are encountered during the excavation, they should be properly closed, preferably exc avated, and registered with NYSDEC. Wells affected by the upcoming demolition could be abandoned. Upon completion of the work these wells should be replaced. Sincerely, Alexander Zhitomirsky"AZ

Remarks: SPILL OCCURRED IN 1991 - 2,000 GALLON TANK SHIPPED AND LEAK IN FILL PORT LINE.

Material:

Site ID:	68408
Operable Unit ID:	1013456
Operable Unit:	01
Material ID:	371352
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons

NYC DEPT OF SANITATION (Continued) **1000141003**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

A10 SE < 1/8 0.029 mi. 153 ft. **DAVIS AUTO BODY-QUAILE CORP** **35-25 FARINGTON ST** **FLUSHING, NY** — **RCRA NonGen / NLR, FINDS, NY MANIFEST** — **1000261840 NYD982180093**

Site 7 of 7 in cluster A

Relative: Lower

Actual: 29 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: DAVIS AUTO BODY-QUAILE CORP
Facility address: 35-25 FARINGTON ST
FLUSHING, NY 113542826
EPA ID: NYD982180093
Mailing address: FARINGTON ST
FLUSHING, NY 11354
Contact: Not reported
Contact address: FARINGTON ST
FLUSHING, NY 11354
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AL QUAILE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AL QUAILE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

FIRST CLASS AUTO REPAIR (Continued) **U004067741**

Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KAKYER
Last Modified: 01/11/2013

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F02 - Pipe External Protection - Original Sacrificial Anode
B02 - Tank External Protection - Original Sacrificial Anode
I00 - Overfill - None
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

B20 **UNNITED PLUMBING** **NY UST** **U003740190**
SW **134-03 35TH AVENUE** **NY HIST UST** **N/A**
< 1/8 **FLUSHING, NY 11354**
0.046 mi.
243 ft. **Site 6 of 10 in cluster B**

Relative:
Higher

Actual:
32 ft.

UST:
Id/Status: 2-604468 / Unregulated
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: N/A
UTM X: 598473.76462000003
UTM Y: 4513228.38968
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 26341
Affiliation Type: Facility Owner
Company Name: JIA SHU XU
Contact Type: Not reported
Contact Name: Not reported
Address1: UNITED PLUMBING AND ELECTRICAL
Address2: Not reported
City: FLUSHING
State: NY
Zip Code: 11354
Country Code: 001
Phone: (718) 321-8652
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

UNNITED PLUMBING (Continued) **U003740190**

Site Id:	26341
Affiliation Type:	Mail Contact
Company Name:	UNITED PLUMBING AND ELECTRICAL
Contact Type:	Not reported
Contact Name:	JIA SHU XU
Address1:	134-03 35TH AVENUE
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11354
Country Code:	001
Phone:	(718) 321-8652
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26341
Affiliation Type:	On-Site Operator
Company Name:	UNNITED PLUMBING
Contact Type:	Not reported
Contact Name:	CHRIS XU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 321-8652
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26341
Affiliation Type:	Emergency Contact
Company Name:	JIA SHU XU
Contact Type:	Not reported
Contact Name:	CHRIS XU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 807-5133
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank ID:	57918
Tank Status:	Closed - Removed
Material Name:	Closed - Removed

UNNITED PLUMBING (Continued) **U003740190**

Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	03/29/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	2
Tank ID:	57919
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	03/29/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

UNNITED PLUMBING (Continued) **U003740190**

Tank Number:	3
Tank ID:	57920
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	03/29/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

Tank Number:	4
Tank ID:	57921
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	Not reported
Date Tank Closed:	03/29/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None

UNNITED PLUMBING (Continued) **U003740190**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

HIST UST:

PBS Number:	2-604468
SPDES Number:	Not reported
Emergency Contact:	CHRIS XU
Emergency Telephone:	(917) 807-5133
Operator:	CHRIS XU
Operator Telephone:	(718) 321-8652
Owner Name:	JIA SHU XU
Owner Address:	UNITED PLUMBING AND ELECTRICAL
Owner City,St,Zip:	FLUSHING, NY 11354
Owner Telephone:	(718) 321-8652
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	UNITED PLUMBING AND ELECTRICAL
Mailing Address:	134-03 35TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FLUSHING, NY 11354
Mailing Contact:	JIA SHU XU
Mailing Telephone:	(718) 321-8652
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	134-03 35 AVE
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	03/29/2000
Expiration Date:	03/29/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2
Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	4000

UNNITED PLUMBING (Continued) **U003740190**

Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/29/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	2
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/29/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	3
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported

UNNITED PLUMBING (Continued) **U003740190**

Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/29/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	4
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	03/29/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

B21 **AUTORAMA BODYWORKS INC** **RCRA NonGen / NLR** **1000326733**
SW **134-03 35TH ST** **FINDS** **NYD981133218**
< 1/8 **FLUSHING, NY** **NY MANIFEST**
0.046 mi.
243 ft. **Site 7 of 10 in cluster B**

Relative:
Higher

Actual:
32 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	AUTO RAMA BODY WORKS
Facility address:	134-03 35TH ST FLUSHING, NY 113542816
EPA ID:	NYD981133218
Mailing address:	35TH ST

AUTORAMA BODYWORKS INC (Continued) **1000326733**

	FLUSHING, NY 11354
Contact:	Not reported
Contact address:	35TH ST
	FLUSHING, NY 11354
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	VINCENT DEL BORRELLO
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	VINCENT DEL BORRELLO
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	AUTO RAMA BODY WORKS
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Facility name:	AUTO RAMA BODY WORKS

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Classification: Not a generator, verified

Date form received by agency: 08/30/1985
Facility name: AUTO RAMA BODY WORKS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004399133

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD981133218
Country:	USA
Mailing Name:	AUTORAMA BODYWORKS
Mailing Contact:	AUTORAMA BODYWORKS
Mailing Address:	134-03 35TH AVENUE
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11354
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-358-6454

Document ID:	NJA0288528
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	870302

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Trans1 Recv Date:	870302
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870303
Part A Recv Date:	870311
Part B Recv Date:	870312
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00052
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	87

Document ID:	NJA0628683
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890829
Trans1 Recv Date:	890829
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890830
Part A Recv Date:	891005
Part B Recv Date:	890905
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00375
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89

Document ID:	NJA0965476
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910211
Trans1 Recv Date:	910211
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910212
Part A Recv Date:	910222
Part B Recv Date:	910227
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Waste Code:	F003 - UNKNOWN
Quantity:	00090
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA1159562
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910506
Trans1 Recv Date:	910506
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910507
Part A Recv Date:	910514
Part B Recv Date:	910522
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA1557159
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	930216
Trans1 Recv Date:	930216
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930217
Part A Recv Date:	Not reported
Part B Recv Date:	930301
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	93

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Document ID:	NJA1688275
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	930420
Trans1 Recv Date:	930420
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930420
Part A Recv Date:	Not reported
Part B Recv Date:	930430
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	93

Document ID:	NJA2291282
Manifest Status:	Completed copy
Trans1 State ID:	10339
Trans2 State ID:	Not reported
Generator Ship Date:	960320
Trans1 Recv Date:	960320
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960321
Part A Recv Date:	Not reported
Part B Recv Date:	960328
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NJA0249470
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	861112
Trans1 Recv Date:	861112
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861112
Part A Recv Date:	861118

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Part B Recv Date:	861125
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00158
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	86

Document ID:	NJA0550514
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	881212
Trans1 Recv Date:	881212
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881213
Part A Recv Date:	881219
Part B Recv Date:	881222
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

Document ID:	NJA0841131
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900212
Trans1 Recv Date:	900212
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900213
Part A Recv Date:	900301
Part B Recv Date:	900223
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA0950604
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	901001
Trans1 Recv Date:	901001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901002
Part A Recv Date:	901211
Part B Recv Date:	901108
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA1190052
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	910812
Trans1 Recv Date:	910812
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910813
Part A Recv Date:	910820
Part B Recv Date:	910826
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA1702959
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Trans2 State ID:	Not reported
Generator Ship Date:	930719
Trans1 Recv Date:	930719
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930721
Part A Recv Date:	Not reported
Part B Recv Date:	930806
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00095
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	93

Document ID:	NJA1987234
Manifest Status:	Completed copy
Trans1 State ID:	10339
Trans2 State ID:	Not reported
Generator Ship Date:	940920
Trans1 Recv Date:	940920
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940921
Part A Recv Date:	Not reported
Part B Recv Date:	941003
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	94

Document ID:	NJA2024594
Manifest Status:	Completed copy
Trans1 State ID:	10339
Trans2 State ID:	Not reported
Generator Ship Date:	941215
Trans1 Recv Date:	941215
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941215
Part A Recv Date:	Not reported
Part B Recv Date:	941229
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA2103526
Manifest Status:	Completed copy
Trans1 State ID:	10339
Trans2 State ID:	Not reported
Generator Ship Date:	950328
Trans1 Recv Date:	950328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950330
Part A Recv Date:	Not reported
Part B Recv Date:	950412
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00130
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	95

Document ID:	NJA2169966
Manifest Status:	Completed copy
Trans1 State ID:	10339
Trans2 State ID:	Not reported
Generator Ship Date:	950629
Trans1 Recv Date:	950629
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950630
Part A Recv Date:	Not reported
Part B Recv Date:	950714
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD986608941
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Year: 95

Document ID: NJA2717814
Manifest Status: Completed copy
Trans1 State ID: 10339
Trans2 State ID: Not reported
Generator Ship Date: 961022
Trans1 Recv Date: 961022
Trans2 Recv Date: Not reported
TSD Site Recv Date: 961024
Part A Recv Date: Not reported
Part B Recv Date: 961113
Generator EPA ID: NYD981133218
Trans1 EPA ID: NJD986608941
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F003 - UNKNOWN
Quantity: 00085
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

Document ID: NJA0205545
Manifest Status: Completed copy
Trans1 State ID: S-10339NJ
Trans2 State ID: Not reported
Generator Ship Date: 860616
Trans1 Recv Date: 860616
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860618
Part A Recv Date: 860623
Part B Recv Date: 860625
Generator EPA ID: NYD981133218
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 86

Document ID: NJA0297845
Manifest Status: Completed copy
Trans1 State ID: NJDEPS-10
Trans2 State ID: Not reported
Generator Ship Date: 880808
Trans1 Recv Date: 880808

AUTORAMA BODYWORKS INC (Continued) **1000326733**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880809
Part A Recv Date:	880817
Part B Recv Date:	880819
Generator EPA ID:	NYD981133218
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00260
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88

Click this hyperlink while viewing on your computer to access
12 additional NY_MANIFEST: record(s) in the EDR Site Report.

B22 **MH 569** **NY Spills** **S105141962**
SW **PRINCE ST/35TH AVE** **N/A**
< 1/8 **QUEENS, NY**
0.048 mi.
252 ft. **Site 8 of 10 in cluster B**

Relative:
Higher

Actual:
32 ft.

SPILLS:

Facility ID:	0105887
DER Facility ID:	223165
Facility Type:	ER
Site ID:	274370
DEC Region:	2
Spill Date:	8/31/2001
Spill Number/Closed Date:	0105887 / 9/4/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	9/1/2001
CID:	396
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/1/2001
Spill Record Last Update:	9/13/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001

(Continued) **1015431165**

Address: 3311 PRINCE ST

Name: MR H AUTO REPAIR INC
Year: 2001
Address: 3311 PRINCE ST

Name: MR H AUTO REPAIR INC
Year: 2002
Address: 3311 PRINCE ST

Name: MR H AUTO REPAIR INC
Year: 2003
Address: 3311 PRINCE ST

Name: MATRIX AUTO INC
Year: 2005
Address: 3311 PRINCE ST

Name: MATRIX AUTO INC
Year: 2010
Address: 3311 PRINCE ST

Name: MATRIX AUTO INC
Year: 2011
Address: 3311 PRINCE ST

Name: MATRIX AUTO INC
Year: 2012
Address: 3311 PRINCE ST

F27 **REPAIR SHOP** **NY MANIFEST** **S102402127**
NE **34-48 LINDEN PL** **NY Spills** **N/A**
< 1/8 **FLUSHING, NY**
0.062 mi.
328 ft. **Site 1 of 5 in cluster F**

Relative:
Lower

Actual:
19 ft.

NY MANIFEST:

EPA ID:	NYD982723181
Country:	USA
Mailing Name:	BEST AUTO COLLISION INCORPORATED
Mailing Contact:	BEST AUTO COLLISION INCORPORATED
Mailing Address:	34-48 LINDEN PLACE
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11354
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-539-6200

NY MANIFEST:
No Manifest Records Available

SPILLS:

Facility ID:	9608529
DER Facility ID:	80230
Facility Type:	ER

REPAIR SHOP (Continued) **S102402127**

Site ID:	87574
DEC Region:	2
Spill Date:	10/9/1996
Spill Number/Closed Date:	9608529 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	10/9/1996
CID:	270
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	10/9/1996
Spill Record Last Update:	11/3/2011
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"08/16/2006 - IABEILBY:NEXT STEP: Perform Site visit to determine status of property and neighboring properties. Spill is greater than 10 yrs. it must be determined if any action was taken to address the spill report and whether it remains necessary to do an investigation.10/2/09 - Austin - Spill transferred from Albany staff to Ahmed, for further investigation - end10/27/11 - Austin - Spill Transferred from Ahmed to Vought - end
Remarks:	CALLER DID BORING AND FOUND CONTAMINATED SOIL

Material:

Site ID:	87574
Operable Unit ID:	1039733
Operable Unit:	01
Material ID:	344266
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

LATIMER GARDENS (Continued) **U000410838**

Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/13/2008

Tank Info:

Tank Number: T-1
Tank Id: 60319
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 12/01/1999
Capacity Gallons: 8000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 05/01/2001
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

F36 **LATIMER GARDENS -NYCHA** **NY LTANKS** **S102399507**
NE **34-45 LINDEN PLACE** **NY Spills** **N/A**
< 1/8 **QUEENS, NY**
0.073 mi.
384 ft. **Site 5 of 5 in cluster F**

Relative:
Lower

Actual:
18 ft.

LTANKS:
Site ID: 270475
Spill Number/Closed Date: 9008380 / 9/22/1994
Spill Date: 10/31/1990
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 9/22/1994
Cleanup Meets Standard: True
SWIS: 4101
Investigator: HEALY
Referred To: Not reported
Reported to Dept: 10/31/1990

LATIMER GARDENS -NYCHA (Continued) **S102399507**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/7/1990
Spill Record Last Update:	12/12/2005
Spiller Name:	Not reported
Spiller Company:	NYCHA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	153094
DEC Memo:	Not reported
Remarks:	15K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, VISUAL LEAK AT MANHOLE, TO INVESTIGATE & POSSIBLY REPAIR.

Material:

Site ID:	270475
Operable Unit ID:	945584
Operable Unit:	01
Material ID:	432212
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	270475
Spill Tank Test:	1537800
Tank Number:	001
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	182747
Spill Number/Closed Date:	9606932 / Not Reported
Spill Date:	8/30/1996
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling

LATIMER GARDENS -NYCHA (Continued) **S102399507**

Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	jkkann
Referred To:	IWP RCVD 3/3/11
Reported to Dept:	8/30/1996
CID:	266
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	8/30/1996
Spill Record Last Update:	5/29/2012
Spiller Name:	DAVE FORTE
Spiller Company:	NYC HOUSING AUTHORITY
Spiller Address:	250 BROADWAY
Spiller City,St,Zip:	NEW YORK, NY 10001-
Spiller County:	001
Spiller Contact:	MR KANE
Spiller Phone:	(718) 939-2600
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	153094
DEC Memo:	12/12/05: This spill transferred from J.Kolleeny to S.Kraszewski.03/23/06: This spill transferred to K.Tang - SK09/23/10: J.Kann - spill transferred from K. Tang to J.Kann. 3/10/11: J.Kann - Investigative work plan submitted on 3/3/11.5/29/12: J.Kann - priority p0 assigned to the site
Remarks:	NEW YORK CITY HOUSING AUTHORITY NOTIFIED. REMEDIATION LEFT UPTO SPILLER.

Material:

Site ID:	182747
Operable Unit ID:	1034893
Operable Unit:	01
Material ID:	346199
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	182747
Spill Tank Test:	1544717
Tank Number:	Not reported
Tank Size:	15050
Test Method:	03

LATIMER GARDENS -NYCHA (Continued) **S102399507**

Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	9703318
DER Facility ID:	153094
Facility Type:	ER
Site ID:	87084
DEC Region:	2
Spill Date:	6/17/1997
Spill Number/Closed Date:	9703318 / 8/15/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	HEALY
Referred To:	Not reported
Reported to Dept:	6/17/1997
CID:	369
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/17/1997
Spill Record Last Update:	12/12/2005
Spiller Name:	Not reported
Spiller Company:	S&J FUELS
Spiller Address:	Not reported
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	MR MANDALONE
Contact Phone:	(718) 649-7017
DEC Memo:	Not reported
Remarks:	CLEANUOP IN PROGRESS

Material:

Site ID:	87084
Operable Unit ID:	1049315
Operable Unit:	01
Material ID:	336210
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

MANHOLE #13737 (Continued) **S106697850**

Spiller Name: ERT DESK
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Contact Name: ERT DESK
Contact Phone: (212) 580-8383
DEC Memo: e2mis no. 154600:1 QT OF AN UNKNOWN OIL ON APPROX 100 GALS OF WATER IN MH13737. SPILL IS CONTAINED. CLEANUP PENDING LAB RESULT.LAB SEQ# 04-05986-001 PCB 204 PPM.UG OS on location and has dfaulted structure. Structure needs to be made safe to complete cleanup.2100 hrs. Crew triple washed structure with 760 Biogen and Safe Wash detergent. >50 Corporate Tanker removed 1430 gallons of liquid. Crew found cemented sump. Clean up will resume pending D fault repair. UPDATE 8/26/04 18:00 HRS ENV OPS SUPV R. QUIJIJE REPORTS THE STRUCTURE WAS DOUBLE WASHED WITH BIO-GEN 760, U/G REMOVED THE LEAKING JOINT, AN OVER 50 TANKER REMOVED 1325 GAL OF LIQUID, THREE DRUMS OF OF SOLIDS, LEAD, AND CABLE TO BE PICKED UP BY ORP TRANSPORTATION, ENV TAG# 38416 WAS REMOVED, AND CLEANUP IS 100% COMPLETE.
Remarks: 1 QT. UNKNOWN OIL ON 100 GAL WATER IN MANHOLE.

Material:
Site ID: 244974
Operable Unit ID: 887934
Operable Unit: 01
Material ID: 559871
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

J64 **MOBIL OIL-#17-GYX LAI S** **RCRA NonGen / NLR** **1000553256**
SE **137-17 NORTHERN BLVD** **FINDS** **NYD986956712**
< 1/8 **FLUSHING, NY** **NY UST**
0.109 mi. **NY AST**
576 ft. **Site 5 of 9 in cluster J** **NY MANIFEST**
RI MANIFEST
Relative: **NY Spills**
Lower **US AIRS**

Actual: RCRA NonGen / NLR:
23 ft.
Date form received by agency: 07/06/2011
Facility name: MOBIL OIL CORP SS GYX
Facility address: 137-17 NORTHERN BLVD
FLUSHING, NY 113544116
EPA ID: NYD986956712
Mailing address: GALLOWS RD MKTG ENVIRON
FAIRFAX, NY 22037
Contact: DONNA HYMES
Contact address: E WASHINGTON ST

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

	WEST CHESTER, PA 19380
Contact country:	US
Contact telephone:	(610) 430-8151
Contact email:	WWW.JD2ENV.COM
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2007
Facility name: MOBIL OIL CORP SS GYX
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Facility name: MOBIL OIL CORP SS GYX
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: MOBIL OIL CORP SS GYX
Classification: Not a generator, verified

Date form received by agency: 04/10/1991
Facility name: MOBIL OIL CORP SS GYX
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001580735

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

UST:

Id/Status:	2-156779 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	2015/11/18
UTM X:	599070.03702000005
UTM Y:	4513264.32204
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	5155
Affiliation Type:	On-Site Operator
Company Name:	MOBIL RIS# 11559
Contact Type:	Not reported
Contact Name:	STATION MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 445-1695
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Date Last Modified:	11/9/2009

Site Id:	5155
Affiliation Type:	Emergency Contact
Company Name:	EXXONMOBIL OIL CORPORATION
Contact Type:	Not reported
Contact Name:	FMS SPILL RESPONSE HOTLINE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(800) 997-7725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	5/11/2010

Site Id:	5155
Affiliation Type:	Facility Owner
Company Name:	EAST RIVER PETROLEUM REALTY, LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	6820-B COMMERCIAL DRIVE
Address2:	Not reported
City:	SPRINGFIELD
State:	VA
Zip Code:	22151
Country Code:	001
Phone:	(703) 750-6810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/19/2013

Site Id:	5155
Affiliation Type:	Mail Contact
Company Name:	EAST RIVER PETROLEUM REALTY, LLC
Contact Type:	Not reported
Contact Name:	MEGAN TINGLEY
Address1:	6820-B COMMERCIAL DRIVE
Address2:	Not reported
City:	SPRINGFIELD
State:	VA
Zip Code:	22151
Country Code:	001
Phone:	(703) 750-6810
EMail:	MTINGLEY@CAPITOLPETRO.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/19/2013

Tank Info:

Tank Number:	001
Tank ID:	27405

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	4000
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	002
Tank ID:	27406
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	4000
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	003
Tank ID:	27407
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	4000
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	004
Tank ID:	27408
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	4000
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping

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F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	005
Tank ID:	27409
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	4000
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number:	006
Tank ID:	27410
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	12/01/1971
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

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Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

Tank Number: 007
Tank ID: 27411
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: 12/01/1971
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

Tank Number: 101
Tank ID: 27412
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 08/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

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Tightness Test Method: 21
Date Test: 06/05/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 11/07/2012

Equipment Records:

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser

Tank Number: 102
Tank ID: 27413
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 08/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 06/05/2003
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 11/07/2012

Equipment Records:

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
B04 - Tank External Protection - Fiberglass
A00 - Tank Internal Protection - None

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

J01 - Dispenser - Pressurized Dispenser

Tank Number:	103
Tank ID:	27414
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	08/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	21
Date Test:	06/05/2003
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	11/07/2012

Equipment Records:

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
B04 - Tank External Protection - Fiberglass
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser

Tank Number:	104
Tank ID:	27415
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	4000
Install Date:	08/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	21
Date Test:	06/05/2003
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Last Modified: 11/07/2012

Equipment Records:

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
I03 - Overfill - Automatic Shut-Off
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
B04 - Tank External Protection - Fiberglass
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser

Tank Number: 105
Tank ID: 27416
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 4000
Install Date: 08/01/1988
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 21
Date Test: 05/29/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 11/07/2012

Equipment Records:

B04 - Tank External Protection - Fiberglass
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser

Tank Number: 106
Tank ID: 27417

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	1000
Install Date:	08/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
I00 - Overfill - None
F02 - Pipe External Protection - Original Sacrificial Anode
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser

Tank Number:	107
Tank ID:	27418
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	1000
Install Date:	08/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	F
Modified By:	CGFREEDM
Last Modified:	01/19/2011

Equipment Records:

F04 - Pipe External Protection - Fiberglass
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
G04 - Tank Secondary Containment - Double-Walled (Underground)

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Number:	107A
Tank ID:	56393
Tank Status:	Administratively Closed
Material Name:	Administratively Closed
Capacity Gallons:	1000
Install Date:	08/01/1988
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	10/20/2005

Equipment Records:

F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Number:	108
Tank ID:	50613
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	08/01/1988
Date Tank Closed:	04/27/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil
Tightness Test Method:	21
Date Test:	06/05/2003
Next Test Date:	Not reported

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 05/28/2009

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
D00 - Pipe Type - No Piping
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
A00 - Tank Internal Protection - None

AST:

Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-156779
Program Type: PBS
UTM X: 599070.03702000005
UTM Y: 4513264.32204
Expiration Date: 2015/11/18
Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 5155
Affiliation Type: On-Site Operator
Company Name: MOBIL RIS# 11559
Contact Type: Not reported
Contact Name: STATION MANAGER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 445-1695
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 11/9/2009

Site Id: 5155
Affiliation Type: Emergency Contact
Company Name: EXXONMOBIL OIL CORPORATION
Contact Type: Not reported
Contact Name: FMS SPILL RESPONSE HOTLINE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (800) 997-7725
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Date Last Modified:	5/11/2010

Site Id:	5155
Affiliation Type:	Facility Owner
Company Name:	EAST RIVER PETROLEUM REALTY, LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	6820-B COMMERCIAL DRIVE
Address2:	Not reported
City:	SPRINGFIELD
State:	VA
Zip Code:	22151
Country Code:	001
Phone:	(703) 750-6810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/19/2013

Site Id:	5155
Affiliation Type:	Mail Contact
Company Name:	EAST RIVER PETROLEUM REALTY, LLC
Contact Type:	Not reported
Contact Name:	MEGAN TINGLEY
Address1:	6820-B COMMERCIAL DRIVE
Address2:	Not reported
City:	SPRINGFIELD
State:	VA
Zip Code:	22151
Country Code:	001
Phone:	(703) 750-6810
EMail:	MTINGLEY@CAPITOLPETRO.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	3/19/2013

Tank Info:

Tank Number:	109
Tank Id:	219127
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/1993
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/09/2009
Material Name:	Lube Oil

Tank Number:	110
Tank Id:	228643
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
I02 - Overfill - High Level Alarm
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/27/2009
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/09/2009
Material Name:	Waste Oil/Used Oil

NY MANIFEST:

EPA ID:	NYD986956712
Country:	USA
Mailing Name:	LAIS AUTO SVC CORP
Mailing Contact:	LA

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Mailing Address:	137-17 NORTHERN BLVD
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip:	11354
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-445-1695

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-02-28
Trans1 Recv Date:	2012-02-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	002731074SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-05-25
Trans1 Recv Date:	2012-05-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-31
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003049714SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-08-23
Trans1 Recv Date:	2012-08-23
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003420593SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	2012-11-13
Trans1 Recv Date:	2012-11-13
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-11-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003446197SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	29-Apr-2013 00:00:00
Trans1 Recv Date:	29-Apr-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02-May-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8
Units:	G - Gallons (liquids only)* (8.3 pounds)

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003376910SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	Not reported
Generator Ship Date:	12-Feb-2013 00:00:00
Trans1 Recv Date:	12-Feb-2013 00:00:00
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	14-Feb-2013 00:00:00
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	Not reported
Quantity:	8
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	003465206SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	NYC5506108
Manifest Status:	Not reported

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	01/18/1999
Trans1 Recv Date:	01/18/1999
Trans2 Recv Date:	01/19/1999
TSD Site Recv Date:	01/20/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAP6277
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5602498
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	04/14/1999
Trans1 Recv Date:	04/14/1999
Trans2 Recv Date:	04/15/1999
TSD Site Recv Date:	04/16/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYDL7754
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5935105
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	09/27/1999
Trans1 Recv Date:	09/27/1999
Trans2 Recv Date:	09/28/1999
TSD Site Recv Date:	09/30/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAP6277
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC5681564
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	07/06/1999
Trans1 Recv Date:	07/06/1999
Trans2 Recv Date:	07/08/1999
TSD Site Recv Date:	07/09/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAP6277
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYC6016948
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	SCD987574647
Generator Ship Date:	12/17/1999
Trans1 Recv Date:	12/17/1999
Trans2 Recv Date:	12/23/1999
TSD Site Recv Date:	12/23/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAP6277
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Specific Gravity: 01.00
Year: 99

Document ID: NYC6914597
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: Not reported
Generator Ship Date: 12/09/2002
Trans1 Recv Date: 12/09/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986956712
Trans1 EPA ID: NYD000708198
Trans2 EPA ID: Not reported
TSDF ID: ILP284920
Waste Code: D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity: 00012
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 01.00
Waste Code: D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity: 00005
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYC6743046
Manifest Status: Not reported
Trans1 State ID: SCR000075150
Trans2 State ID: Not reported
Generator Ship Date: 06/20/2002
Trans1 Recv Date: 06/20/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/24/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986956712
Trans1 EPA ID: NYD000708198
Trans2 EPA ID: Not reported
TSDF ID: AT8011NYC
Waste Code: D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity: 00011
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 01.00
Waste Code: D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6760484
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	04/05/2002
Trans1 Recv Date:	04/05/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/10/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	XAB6384
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00017
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6643798
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	01/07/2002
Trans1 Recv Date:	01/07/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/09/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAT8011
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00012
Units:	G - Gallons (liquids only)* (8.3 pounds)

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC7375814
Manifest Status:	Not reported
Trans1 State ID:	NY58468JH
Trans2 State ID:	Not reported
Generator Ship Date:	04/27/2004
Trans1 Recv Date:	04/27/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/03/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00011
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYC7295286
Manifest Status:	Not reported
Trans1 State ID:	NY89930JE
Trans2 State ID:	Not reported
Generator Ship Date:	02/19/2004
Trans1 Recv Date:	02/19/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/23/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	TXR000050930

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00010
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYC7386704
Manifest Status:	Not reported
Trans1 State ID:	NY89930JE
Trans2 State ID:	Not reported
Generator Ship Date:	10/11/2004
Trans1 Recv Date:	10/11/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/13/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00014
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYC7408168
Manifest Status:	Not reported
Trans1 State ID:	NYAT8305
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/2004
Trans1 Recv Date:	07/20/2004
Trans2 Recv Date:	Not reported

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

TSD Site Recv Date:	07/26/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	TXR000050930
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000708
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00011
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2008-06-19
Trans1 Recv Date:	2008-06-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2008-06-23
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986956712
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	5.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001168119SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Mgmt Method Type Code: H141

Click this hyperlink while viewing on your computer to access
102 additional NY_MANIFEST: record(s) in the EDR Site Report.

RI MANIFEST:

GEN Cert Date:	8/6/2010
Transporter Receipt Date:	8/6/2010
Number Of Containers:	1
Container Type:	DF
Waste Code1:	D039
Waste Code2:	Not reported
Waste Code3:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	Not reported
TSDF ID:	Not reported
TSDF Date:	Not reported
Transporter 2 Name:	8/16/2010
Transporter 2 ID:	NJD071629976
Manifest Docket Number:	003361731FLE
Waste Description:	HAZARDOUS WASTE LIQUID NOS
Quantity:	5
WT/Vol Units:	G
Item Number:	1
Transporter Name:	SAFETY KLEEN
Transporter EPA ID:	TXR000050930
GEN Cert Date:	8/6/2010
Transporter Recpt Date:	8/6/2010
Transporter 2 Recpt Date:	8/16/2010
TSDF Recpt Date:	Not reported
EPA ID:	NYD986956712
Transporter 2 ID:	NJD071629976

SPILLS:

Facility ID:	0613762
DER Facility ID:	328389
Facility Type:	ER
Site ID:	378861
DEC Region:	2
Spill Date:	3/23/2007
Spill Number/Closed Date:	0613762 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MJHAGGER
Referred To:	Not reported
Reported to Dept:	3/23/2007
CID:	79
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	3/24/2007
Spill Record Last Update:	5/29/2013
Spiller Name:	Not reported
Spiller Company:	EXXON MOBILE
Spiller Address:	137-17 NORTHERN BLVD
Spiller City,St,Zip:	FLUSHING, NY 11354
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	(718) 445-1695
DEC Memo:	CSL sent to EXXON MOBIL AND Kleinfelder. See folder,11/16/07- DEC Piper recieved and reviewed subsurface investigation report. Asp per SI, soil and groundwater have elevated levels of VOC's and SVOC's. Soil had BTEX concentration to 475ppm in MW-3 and groundwater had total BTEX ranging from 726 to 2330 ppb. Kleinfelder has proposed to install three additional MW's and begin a quarterly sampling schedule. The wells are due to go in within 90 days. See e-docs for report. Referred to Remediation.4/16/08- Kaplan- The three additional monitoring wells, as proposed in the Subsurface Investigation Report, were installed on December 19th and the quarterly monitoring and sampling has begun. The first report is expected by April 25th 2008.04/25/08- Kaplan- Site Status Update Report and Subsurface Investigation Report Addendum was received which described the installation of the 3 new wells and the sampling of all 6 wells MW-1 thru MW-6. Sampling results of the newly installed wells (MW-4 thru 6) show that the contamination extends to the northern part of the site. GW appears to be flowing in a NW direction. In response, I sent an email (see edocs) noting a few problems with the soil analysis and requesting additional sampling, off-site if possible in order to determine extent of contamination (possibly subslab vapor sample and indoor air sample in the buildings surrounding the site). The service station is surrounded by a hotel and one story building to the west and a 2 story building to the north. 07/17/08- Kaplan- The second site status update report was received on 6/24/08. In response to my email requesting additional sampling, they said they are preparing a work plan for submittal to DEC upon resolution of access and accessibility issues. GW sampling showed higher BTEX concentrations at the downgradient wells (MW-5 and MW-6) than the last sampling event. As of now this spill is going to be managed out of central office.10/20/08 - Haggerty: approved SI work plan. Attempting to delineate contamination. ExxonMobil reluctant to install wells near any infrastructure due to risk of causing another spill. PM required ExxonMobil to determine where contamination is coming from (dispensers, current tank, the old tanks or all 3)4/09 - Haggery: ExxonMobil performed tank top upgrade replacing dispensers and product lines and containment. I informed ExxonMobil that since we will know where the sub-grade piping is we will be able to put MW's where they are needed.4/24/09 - Haggerty: approved SIR and attached SI workplan. PM approved contingent upon placing a MW between the current tanks and dispensers.7/8/09- J. Aversa: Telecon with Sky Chen, Queens Christian Alliance Church. Told her request by Rich Caputo from Kleinfelder to dig holes on her property for a spill investigation were legit. She will present this info to the church board for approval. April 2010 - Concentrations of BTEX mostly

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Xylenes (most likely old contamination not related to new spill #) During a tank top upgrade on 3/20/09, approximately 25gal of product spill onto the concrete sidewalk and back into the excavation (caused by a broken manifold when product was being pumped out of the tanks). Product did not reach the sewer (were monitored anyway). Spill consolidated into original spill #. SIR approved including Supplemental SI work plan. Work on hold until access agreement with Queens Alliance Church is executedMay 2010 - PM believes that the old tank field is an additional source of contamination based the down-gradient groundwater concentrations. PM required that the old tank field be removed, but ExxonMobil want to gather some soil data to confirm. PM stated that the Tank Field investigation work plan is due in June and must include borings through the old tanks to collect soil samples beneath the tanksJuly 2010 - approved SI work plan to determine if old abandoned tanks are an additonal source of groundwater contamination. 2 wells will be installed through the old tanks as well as additional borings/wells surrounding the old tanksAugust 2010 - PM met with ExxonMobil (Scott Bushroe) on-site 8/20 to mark out locations for upcoming SI. SI will consist of 4 boring/wells, 2 of which will be installed through the old 4000gal tanks to determine wheter they a contributing but seperate source of groundwater contaminationOct. 2010 - a SSUR was received 10/15/10. (SD)November 2010 - EM has handed the project over to East River Petroleum Realty LLC. See 11/18/10 letter from Liberty.(sd)February 2011 - PM waiting on SIR which was performed by the previous consultant, GES. Arcadis now the consultant and report due by the end of next monthMarch 2011 - discovered that the SI was never conducted by previous consultant for ExxonMobil. Spoke with Craig Massaro from Arcadis, field work to begin in late AprilMay 2011 - field work delayed due to the consultant's reluctance to drill through the old tanks. We reached an agreement on the locations and field work will be conducted in JuneAugust 2011 - Haggerty: Arcadis decided to pull the former tanks rather than drilling through the old tanks to confirm them as a source. The tank pull workplan is due 9/2/11Sept. 2011 - approved Tank Removal Work planNovember 2011 - Required tank removal by the end of January 2012December 2011 - Arcadis sent me an itemized schedule putting the actual removal of the tanks at the end of March. PM left message with consultant, Craig Massaro to discuss. Appears like we are wasting time. They can keep that schedule as long as there preparing a RAP at the same time. Site need Consent Order East River and EMFebruary 2012 - Arcadis changed their minds and drilled through the old tanks (between the using a GeoProbe to collect soil samples and determine if there is a tank pad beneath them. No tank pad encountered and some soil staining beneath the tanks. If Arcadis really does not want to take out the old tanks now, we will have wasted over 6 months which is unacceptable. I informed them that MWs must be installed through the tanks to determine if they are source.April 2012 - Spoke with Arcadis on numerous occassions. We have an approved work plan to remove the old tanks and just because they changed they mind about revoming them, we haven't and they will still be removing them. The RAP/ CAP is due April 30. CO pendingMay 2012 - Arcadis still will not agree to take the old tanks out even though they proposed it and drafted the UST removal work plan which I approved ~7 months ago. My supervisor, Jim Moras, Denise Dixon from Arcadis and myself are planning a conference callJune 2012 - Jim Moras and I had conference call with Arcadis regarding the removal of the old tanks directly north of the current

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

operational tanks. Arcadis had agreed to install borings/MWs to our satisfaction to collect gw data beneath the current tanks (drilling through the tanks) to monitor the SVE/AS system proposed in the RAPAugust 2012 - RAP/CAP approved including 3 borings through the former tanks10/3/12-Vought-Received forward email from RSE that DEC Harrington performed site visit on 10/2 and noted "1. The "abandoned tanks" north of the active tankfield were found to be abandoned improperly. Inside tank 3, a mixture of water and weathered product was discovered. 100 pct. LEL was noted on the PID. Only 6" space between tanks. I told Katherine that they would be best served by removing the tanks. She plans on calling you to discuss further the next steps. 2. Apparently, ARCADIS staff observed a driver pull away from one of the pumps with the nozzle still in the car yesterday afternoon. There was a spill of product to the ground when hose ripped off the pump. She said that the station operator used sorbent material to cleanup the area around the pump island, and washed the rest of the product down the storm drain. They did not call in a spill. I told her that that was not acceptable to the Department. I also told her that they will call it in today or there will be serious problems. Katherine alerted Denise Dixon to the issue. According to Katherine, the operator told her he handles spills like that all the time. This needs to be addressed. Dave H." DEC Harrington forwarded email to DEC Moras who forwarded email to RSE with note that DEC Harrington was covering some of DEC Haggerty's sites. RSE noted to DEC Moras that PBS issue #1 will be referred to DEC Zelinski and provided he contact info and RSE also noted that site visit will be performed to gas station. DEC Patel to perform site visit.10/03/12-Hiralkumar Patel.11:15 AM:- visited site. inspected two drains: one on-site drain west of dispenser islands and one off-site storm drain near the intersection of Linden Place and Northern Blvd. no oil/sheen/odor noted in any drain.December 2012 - Arcadis is proceeding was the RAP but they have decided to remove the former tanks after discovering they weren't properly abandoned and contain product. Excavation work plan due this monthJanuary 10, 2013 - PM mistakely thought the Spill had a Consent Order after speaking with the Arcadis PM. Apparently, Arcadis is planning to send a revised RAP including former tank removal. I sent a email to Arcadis requiring the CAP in 1 week and copied Legal (Scott Caruso and Maria Mastrioani) to send East River Petroleum a Consent Order.February 2013- CAP should be finalized by 3/1/13 so CO can be executed. CAP is 8 months overdue and we are now asking for $25,000April 2013 - Old 4000gal tanks will begin on May 11,2013May 2013 - PM on-site (5/22 and 5/23) to witness how poorly the old 4000gal tanks were abandoned. Over 1000gal of product/water mix pumped out while on-site and more will be removed. The tanks were abandoned 25 years ago by pouring concrete slurry down both ends of the tanks leaving large voids in the middle of the tanks where product remained. Tank bottom rotten through in the one tank cleaned (cleared of conrete).

Remarks: EQUIPMENT FAILURE DISPENSER WAS LEAKING OUTSIDE AT GAS STATION - SPILL ONTO PEA GRAVEL - CLINE ENVIRONMENTAL HAS BEEN CALLED FOR CLEAN UP.

Material:

Site ID:	378861
Operable Unit ID:	1136355
Operable Unit:	01
Material ID:	2126299
Material Code:	0009

MOBIL OIL-#17-GYX LAI S (Continued) **1000553256**

Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0813781
DER Facility ID:	328389
Facility Type:	ER
Site ID:	411480
DEC Region:	2
Spill Date:	3/20/2009
Spill Number/Closed Date:	0813781 / 3/23/2009
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	MJHAGGER
Referred To:	Not reported
Reported to Dept:	3/20/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/2009
Spill Record Last Update:	3/24/2009
Spiller Name:	Not reported
Spiller Company:	EQUIPMENT FAILURE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERICA GRAHAM
Contact Phone:	(703) 268-9068
DEC Memo:	03/23/09-Vought-Called Angela Bolbon (Veeder Root) (800) 997-7725. Vought spoke to Brandon from Veeder Root and delivery truck was removing fuel as site was under construction. Manifold broke and fuel was released onto concrete with no sewers or drains affected and spill was cleaned using absorbent pads and speedi dry. 03/24/09-Vought-Received call from and spoke to ExxonMobil (Ken Drake Fax:609-698-8761) and cause of spill was equipment malfunction as contractor was removing fuel from tanks causing spill onto concrete which flowed into the open excavation. As per Drake, he informed DEC Haggerty of spill and Haggerty is also managing another open long term remediation spill at same location. Vought sent email copy of this report to Drake with copy to DEC Haggerty.3/24/09 - Haggerty:

WILLETS POINT ASPHALT (Continued) **1001222195**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

AH266
SW
1/8-1/4
0.235 mi.
1243 ft.

WILLETS POINT ASPHALT
35-32 COLLEGE POINT BLVD
FLUSHING, NY 11351

NY LTANKS **S100143812**
N/A

Site 10 of 13 in cluster AH

Relative:
Lower

Actual:
9 ft.

LTANKS:

Site ID:	317792
Spill Number/Closed Date:	8705123 / Not Reported
Spill Date:	9/17/1987
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	9/18/1987
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	9/18/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	9/22/1987
Spill Record Last Update:	7/18/2012
Spiller Name:	Not reported
Spiller Company:	WILLETS POINT ASPHALT
Spiller Address:	COLLEGE PT. BLVD
Spiller City,St,Zip:	FLUSHING, NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	390997
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " " 06/05/09-Vought-Due to lack of free product in offsite wells since 12/05 and no TOGs exceedences in offsite wells since 3/07 (minor exceedences at that time), Spill 7900995 and PIN 9118 will be closed and Spills 8704514 and 8705123 which had been consolidated with this spill number will be remain open as RP never reconciled these tank test failures/discharges. WPA and TDC to be notified by letter of their continuing obligations regarding these open spills.Spill assigned to DEC Vought. Vought drafted TTF letter reopening spill #'s: 8704514, 8705123 and closing spill 7900995 with cc to Roux Associates (Sin Senh Ph:631-232-2600 Fax:631-232-9898) and submitted to DEC Urda for review. Letter addressed to: Mr. Peter Tully Willets

WILLETS POINT ASPHALT (Continued) **S100143812**

Point Asphalt Corp. 32-02 College Point Blvd. Flushing, NY 11354 Fax:(718) 426-8737 Ph:(718)446-7000 and: Mr. Earle Tockman TDC Development & Construction Corp. 136-20 38th Avenue, 12th Floor Flushing, NY 11354 Ph:(718)713-0267 06/11/09-Vought-Called and spoke to Mr. Tockman inquiring as to fax number. Mr. Tockman asked what inquiry was regarding and Vought summarized letter and Mr. Tockman stated that Vought was "rude, unprofessional and incompetent". Vought politely explained reason for spill consolidation and fact that original TTFs were never resolved. Tockman did not provide fax but did provide email address of: Etock1@aol.com. Vought sent out certified letter to both parties, email to Tockman and fax to Tully. Vought suggested to all parties that meeting be held to discuss further action. 07/15/09-Vought-Reviewed response to DEC letter dated 6/1/09 from Roux Associates (William Holubowich) and received on 6/30. "Because the tank test failures and associated spill numbers occurred approximately 20 years prior to TDC's purchase of the property, TDC is not aware of the circumstances associated with the two spills or their remediation, if any." Disscussion of TDC contracting Roux Associates to witness removal of three USTs in 9/07 and the passing tanks tests for these systems, no holes or leaking product or tank integrity issues were observed. Also discusses endpoint sample passing TAGM RSCO's. Note that the tanks referred to in this report are new and are not subject of reopened 1987 spills. Roux Associates installed three monitoring wells. "MW 1 was installed hydruaulically downgradient of the 10,000-gallon UST excavation pit; MW-2 was installed on the northwest section of the site and MW3 was installed on the southwest section of the site." Groundwater at depth of 5'bg. "Monitoring wells MW-1 and MW-2 were not sampled because floating product (i.e liquid phase petroleum was observed in those monitoring wells." "It should also be noted that, based on court records reviewed by Roux Associates (State of New York vs. Willets Point Contracting Corp et al {125A.D.2d 742] the subject property was determined by the court not to be the source of the impact to groundwater associated with Spill Number 7900995." 07/29/09-Vought-To send letter noting that USTs in report are not subject of 1987 TTF spills, 7900995 to be closed upon decomissioning of monitoring wells, USTs tests referred to in 2005 and 2007 may not have tested piping nor were samples collected from piping runs as per DER-10, number of endpoints collected around USTs were insufficient as per DER-10, that two subject spills relate to subsequent discharges and as such court case not relevant to these spills, the fact that product was documented as released during former tightness test, fact that endpoint sampls showed detections of VOCs particular to fuel oil indicating a release despite being below TAGM 4046 RSCOs. 07/30/09-Vought-Received call from and spoke to Bill Klein (performed tightness test of 10,000-gallon UST) and piping from UST to adjacent pumproom was tested however piping that supplied #2 fuel oil to asphalt burners was never tested. Klein not sure if piping to burners as above or below grade. As per PBS registration there is "no piping" despite numerous site plans with documented piping. Vought submitted response letter to DEC Urda for review. 08/03/09-Vought-Received back edits from DEC Urda and DEC Austin and Vought editted letter and sent to Tockman and Tully. Austin approved closure of 7900995 and referall to open spills 8704514 and 8705123. 08/06/09-Vought-Received confirmation of delivery certified mail receipts from Tockman and Tully representatives. 3/16/10-Vought-Received email from DEC Drescher that site is being used for storage for Mensch Mill and

WILLETS POINT ASPHALT (Continued) **S100143812**

Lumber who is leasing site from TDC. 3/23/10-Vought-Received call from and spoke to Roux (Bill Holubowich 631-232-2600) who was inquiring as to status and also noted that "Tully would be resolving petroleum issues at the site". 5/26/10-Vought-Up to date file review by Vought: Letter from WPA (Devoe) to DEC-11/23/09. WPA performed FOIL request in response to DEC's letter dated 8/3/09. Letter includes repsonses to failures of 1987 including removal of the failed 10,000-gallon UST and installation of a UST in the same location and use of GPR inspect for the presence of other 10,000-gallon USTs onsite. GPR survey found that "there was no other 10,00-gallon tank at the site by the absence of buried metal objects (other than known tanks). No mention of sampling around failed UST. "Numerous additional investigations and a lengthy remediation process have taken place since the referenced spills took place. The data that was collected was sufficient to allow the Department to close the primary spill file 79-00995 that impacted the subject property. We believe the same data in addition to the information presented above should be sufficient to close the referenced spill." Letter also includes result of GPR survey. 5/26/10-Vought-Case referral form submitted to DEC Legal. DEC requires: 1)Recovery and monitoring of product in MW41A (see closed spill 7900995) 2)Delineation of contamination 3)Possible vapor barrier and/or SSD if property is developed 4)reinstallation of onsite monitoring wells destroyed by removal of asphalt plant (see closed spill 7900995) 5)cc Roux (Holubowich) and to DEC Drescher due to possible wetlands enforcement. 6/11/10-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin and Vought transfer to Section A.9/27/10 - Raphael Ketani. Dean Devoe (718) 446-7000, ext 298 of Tully Environmental called(Tully is owned by the same company that owns Willets Point Asphalt), but I could only leave him a message. I spoke to Mr. Vought in regards to the nature of this spill and the related ones, #7900995 and #8704514. He said that the open spill (#7900995) originally was a PIN case where DEC was doing the investigating and delineation. However, this case was closed and the 1987 tank test failure cases remained open. Each 1987 case was for a UST on site. However, there were 3 tanks at the site: a 10,000 gal. tank at the east edge of the site near the gate; a 1,000 gal. tank at the north edge of the site next to the hot A.C. tanks; and a 1,000 gal. tank near the southeast corner of the site next to the old electrical house. The site, itself, is a bare lot right now. Six DEC wells were destroyed as a result of the process of demolishing the asphalt plant. These were the only on site wells and were concentrated in the eastern part of the property. All of the off site wells had been abandoned as they didn't show any oil, except for MW 41-A. The 1/6/09 Test America data report for the off site wells was entirely non-detect. DEC was not allowed on site to sample the FN series wells before they were destroyed. Previously, Mr. Tockman had claimed that the contamination had been coming from off-site. However, no oil or contamination had been found coming from upgradient. There had been a plume under the U-Haul site to the south, but they voluntarily cleaned it up in the nineteen eighties. Both tanks and the associated piping had leaked oil into the ground. The DEC wells need to be reinstalled and the contamination needs to be delineated. Letters were sent to Mr. Tockman of TDC and to Mr. Tully of Willets Point Asphalt in late 2009 explaining the evidence for the spills and that the tank failures hadn't been addressed. One letter requested that a report be submitted describing an investigation of the spills. A

WILLETS POINT ASPHALT (Continued) **S100143812**

report dated 6/22/09 was submitted by ROUX Associates describing a limited investigation. The results were either below TAGM for oil or non-detect. Mr. Voughts full notes about the spill are in #7900995. The paper reports are in the PIN file draws under PIN #91118. I spoke to Mr. Devoe. He said that the property was sold in 2007 to TDC Corp., 136-20 38 Avenue, Flushing, NY. I explained to him that the DEC wanted the destroyed wells replaced, and the contamination under the site delineated. He said that contamination had been found emanating from off site. I told him that DEC had records of tank failures for the 10,000 gal. tank and the 1,000 gal. tank. I added that I was told the piping associated with the tanks was also possibly defective. So there are a number of reasons why the oil came from the site. He said that he will contact TDC and let them know that the DEC wants work to take place at the site. I asked him what the current status of the site was. He said that, as best as he can tell, the site is a parking lot.11/10/10 - Raphael Ketani. I tried to contact Mr. Devoe (718) 446-7000, ext 298, but I could only leave a message. 11/15/10 - Raphael Ketani. Mr. Devoe called me today. He said that he did pass word along to staff in TDC Corp. regarding the DEC's request. I told him that I hadn't heard anything back. I asked Mr. Devoe for the TDC contact. He said that it's Earl Tockman at (718) 713-0267/e-mailEtock1@aol.com. I tried to contact Mr. Tockman by phone, but I could only leave a message. Later, I sent Mr. Tockman an e-mail requesting that the destroyed DEC wells be replaced and that the contamination be delineated. I added that if the DEC doesn't receive documentation that this is being done by December 10, 2010, then the case will be referred to the Office of General Counsel for legal action.Mr. Tockman called me back. We had a long discussion regarding what took place previously at the site. Mr. Tockman said that he was surprised that the previous owners, Tully Construction, had not submitted the investigation report. He had been under the impression that it had been sent to the DEC. I told him that we didn't have anything in our files. He was surprised to hear this. Mr. Tockman added that there had been a trial that the DEC was aware of whereby another party was found responsible for letting contamination run under the asphalt plant. I told him that I wasn't aware of this, but, I said, this trial wasn't the issue that needed to be resolved. I added that the wells that had been destroyed during the site demolition needed to be replaced and that there needed to be a soil and groundwater investigation. Mr. Tockman said that he will talk to people at Tully Construction about this. I added that if contaminated soil is discovered, then it may need to come out, depending on the analyte concentrations. He said that TDC Corp. didn't have any plans to dig out the site and develop this site soon due to the market. I told him that the Spills Unit required that the contamination be adddressed quickly, regardless of the development plans. Mr. Tockman said that he will get back in touch with me.11/26/10 - Raphael Ketani. John Urda of Region 2 Legal sent an e-mail to Mike Bogin of SPR Law stating that the DEC had requested action regarding the investigation of the site (see E-docs). However, none was taken. Therefore, legal action is pending.2/2/11 - Raphael Ketani. I received an e-mail from John Urda of DEC Region 2 Office of General Counsel, with an attachment consisting of a letter from Richard Wynn, counsel to the owners of the asphalt plant. The letter was dated 1/31/11 and addressed to Mr. Urda. In the letter, Mr. Wynn stated that the wetlands violations were not justified and that the oil spill was from offsite and that the other spills which were open were

WILLETS POINT ASPHALT (Continued) **S100143812**

just housekeeping issues. Therefore, there was no justification for having an open spill against the site.2/9/11 - Raphael Ketani. Mr. Urda sent a letter to Mr. Wynn, counsel for WPA, explaining the State's position regarding the wetlands violations, the spill case and legal action.2/10/11 - Raphael Ketani. Mr. Urda revised the letter to Mr. Wynn and it was sent out.3/2/11 - Raphael Ketani. Today I received an e-mail from Mr. Urda which contained the February 2007 Spectra Environmental Phase II. I reviewed the report. It appears that much more exploratory and remedial work is needed at the site.3/7/11 - Raphael Ketani. Mr. Devoe sent me an e-mail which contained an aerial photograph of the site. Various proposed boring locations were indicated on the map. I asked Mr. Devoe who the tenant was who wanted to move in quickly. He said that he didn't know. I told him that the DEC would be looking for a phase II report with raw analytical data for soil and groundwater samples and with summary tables for the data. I added that staff at the Department will review the proposed plan very soon. 4/13/11-Vought-Drafted request letter for no new permit issuance and revocation of exisiting building permits to city agencies as per DEC Austin and after discussion with DEC Urda and submitted to DEC Austin for signature.4/13/11 - Raphael Ketani. Mr. Austin signed the letter and it was sent to Ira Gluckman (Queens Borough Commissioner), Gary Heath (NYC DEP), Chris D'Andrea (NYC DOH), Lance Michaels (NYC DCP) and Michael Hughes (NYS DOH).5/3/11 - Raphael Ketani. Jeff Vought of DEC Spills/Unit A told me today that GC Environmental is conducting work on the site this week and not to respond to any reports that they submit.5/31/11 - Raphael Ketani. Mr. Wynn, general counsel for Willets Point Asphalt Corp., sent the DEC an Oppositon to Motion dated 5/27/11.10/27/11 - Raphael Ketani. As part of the caseload realignment order by Randall Austin, Chief of the Spills Unit, I am transfering this case to Jeffrey Vought in the Spills Unit.11/3/11-Vought-Mediation Conference held with judge, DEC Urda and Vought, Dean Devoe, Rick Wynn and owner (Dan Scully) to discuss Permits and Spills violations. DEC will send out Consent Order including Corrective Action Plan.12/14/11-Vought-Consent Order (including CAP) signed by Willets (Scully) and DEC Urda noted Vought to call Dean Devoe to discuss submission of Investigation Work Plan as per CAP for Consent Order. Vought called Devoe and left message to arrange techincal meeting at DEC offices to discuss requirements for Investigation Work Plan. 12/15/11-Vought-Received message from Devoe that he was looking to perform a site visit on 12/19 or 12/20. 12/19/11-Vought- Called Dean Devoe (Cell:917-417-1524) and site visit scheduled for 1/9 with Devoe to discuss and negotiate Investigation Work Plan.1/13/12-Vought-Sent email to WPA Devoe with available dates for second meeting for discussion of Investigation Work Plan. Vought confirmed second meeting date of 2/2. Meeting later confirmed for 2/11.2/11/12-Vought-Visit to Tully offices on 1/9/12 and 2/11/12 to discuss acceptable Investigation Work Plan to be submitted to Department. The Departments 8/3/09 letter was used a guide to address Department investigatory concerns. Vought noted to Devoe that if Willets Point Asphalt continued think that the on-site contamination was from an off-site source, then a tidal study (with 24-hour transducers) should be part of Work Plan. Discussion also included uncertainly of amount of backfill/grading after removal of the plant and its effects on pre-determination of sampling depths before investigation. Due to unknown backfill amount, soil borings in areas of historical contamination will be performed continuously to water

WILLETS POINT ASPHALT (Continued) **S100143812**

table with collection of water sample. Piping investigations and shallow sources will have continuous sampling from 0-5'bg at a minimum. At all borings, Geoprobe 4" macrocores will be spilt into two foot segments to increase shallow soil delineation capabilities due to shallow water table. Vought noted that if refusal encountered via Geoprobe then Department would require more aggressive drilling method (eg hollow stem auger). Agreement reached on following:10000-GALLON FUEL OIL UST SYSTEM: Continuous soil samples will be collected to water table (Geoprobe macro cores will be split into two foot segments to increase delineation capabilities) at former boring locations SB-11, SB-12 along piping run and will be named SB-14 and SB-15. Another soil boring will be at oil burner location and will go to 5'bg as shallow piping and will be named SB-13 (due to field indications of contamination down to and below water table). . No sampling currently required at tank due to prior well FN19 showing levels below TOGs Standards. UST investigation results will be satisfied by FN-19, FN-16 and MW-25(which showed little dissolved contamination in 3/07). 1000-GALLON OFFICE UST SYSTEM: Former boring SB-7 will satisfy piping investigation requirements. UST investigation requirements satisfied via former boring FN-3. 1000-GALLON GENERATOR TANK: Continuous soil samples will be collected to water table (Geoprobe macro cores will be split into two foot segments to increase delineation capabilities). One soil boring will be continuous to the water table at the UST location and will be called GT-1. One boring will be performed by piping elbow and will be named GT-2 and will include collection of soil and groundwater sample due to SB5 from Roux investigation dated 5/11 shows soil contamination from 0-5'bg at piping location. Boring B-3 from 10/91 statisifes one piping sample location. One boring will be performed for soil samples from 0-5'bg at bend in piping to generator house and will be named GT-3.KEROSENE TANK: Former boring FN-5 satisfied investigation of kerosene AST. SHALLOW SOIL SAMPLES FROM 10/91(BULLET 6 of DEC 8/3/09 LETTER): Investigation of shallow soil contamination in borings in Boring B1 satisfied via SB-7 and FN-3. Shallow contamination in Boring B2. Shallow contamination in Boring B2 satisfied via boring FN-5 at adjacent kerosene UST. Vought noted contamination in Boring B4 is minimal and also satisfied as per FN-2.SOIL BORING IN MAY 1992 SHOWING FREE PRODUCT AND SHALLOW CONTAMINATION(BULLET 7 OF DEC 8/3/09 LETTER): Investigation satisfied via boring FN-19, FN-16 and MW-25. MW-25 showed no dissolved contamination as well as of 3/07 results.SOIL SAMPLES FROM 4/93 AT FN-13 SHOWING FREE PRODUCT AND SHALLOW CONTAMINATION(BULLET 8 OF DEC 8/3/09 LETTER): GT-1 shifted approximately 5' to the north for FN-13 investigatory requirements.OVERFLOWING BUCKETS OF OIL OBSERVED BY DEC STAFF ON 2/25/00: One boring will be installed from 0-5'bg by the hot elevator due to shallow soil source of buckets. Boring will be named HE. Spill by Hot Elevator as per Scully.SPECTRA 2/07 REPORT: Heavy napthalene in soil at MW-1 below water table and water level above screen in currently installed well. One boring will be performed with soil and groundwater samples named OC1 as adjacent to former Overhead Conveyor.Vought also noted to Devoe that if Willets Point Asphalt continued think that the on-site contamination was from an off-site source, then a tidal study (with 24-hour transducers) should be part of Work Plan. Vought also noted that two soil samples to be collected from shallow soil borings (highest PID and deepest dry).4/23/12-Vought-Reeived attached boring location plan from WPA Devoe and if DEC approves he will forward it to current site owner to

WILLETS POINT ASPHALT (Continued) **S100143812**

confirm accessibility and he is also developing scope of work to accompany site plan.7/17/12-Vought-Called and spoke to WPA Devoe and Vought approved boring location plan and required submission of scope of work of both shallow borings to delineate possible piping sources as well as for deeper borings to groundwater at other locations. Vought sent email with same request.7/18/12-Vought-Sent email to WPA Devoe with notes from 1/9/12 and 2/11/12 office visit by Vought and summary of resulting investigatory requirements. Vought also included some standardized language that may be used in report for sampling requirements. Vought performed historical file summary from 6/25/10 to present:Letter from DEC Urda to Richard Wynn, Esq.-1/11/11. Response to Wynns comments during pre-hearing conference on 1/10/11. Urda confirmed demolition filing and grading occurred in tidal wetlands of states jurisdiction. Letter noted that MW41 contamination is in vicinity of three spills from the two test failures in 1987 and the surface discharge near the 1000-gallon tank and shallow soil contamination around same. Letter also noted upgradient wells were clean and possible contribution of tidal influence to well MW41. Letter notes lack of response to prior DEC letters in 2007 and 2009 and submission of inadequeate endpoint sampling from tank and piping removal prior to sale. Letter included history of recent correspondence between DEC and WPA. Letter proposed penalty amount and it it was acceptable to Wynn, that a Consent Order would be sent. If not acceptable DEC will extend deadline to answer complaint until 2/1/11.Letter from Wynn to DEC Urda-1/31/11. Response to Urda's 1/11/11 letter. Wynn noted that there was no tidal wetland violation as work occured behind bulkead. Wynn noted that they do not have post excavation samples from 1987 tank removal and no "appreciable" contamination was found. Wynn maintained impacts were from off-site spill and that DER-10 not applicable as tanks passed test in 2007. Wynn noted in 1995 letter noting spill was gasoline and he never had gasoline tanks onsite. Letter notes other possible sources of contamination including spills in area and that penalties sought by DEC are not justified and they look forward to continuing discussions.Letter from DEC Urda to Wynn-2/9/11. Response to 1/31/11 letter. Letter noted that bulkead does not protect activities from state jurisdiction. Letter noted spills cannot be closed as we do not have data from 1987 tank and piping removals, sampling was inadequate including so sidewall samples or piping samples during removal in 2007. Letter notes that WPA is "now in default"and that response is due by 2/14/11.DEC requires:1)Investigation of location of former 10,000-gallon #2 fuel oil AST and associated piping2)Investigation of locations of two former 1000-gallon #2 fuel oil ASTs and associated piping3)Investigation of FN-134)Investigation of location of photos of overflowing buckets of fuel oil dated 2/25/00.5)Collection of highest PID and deepest dry sample and installation of well is contaminated soil extends to the water table.6)cc to Devoe, Urda and Wynn

Remarks: 10K TANK FAILED PETRO-TITE TEST- LEAK RATE -.511 GPH.

Material:

Site ID:	317792
Operable Unit ID:	911391
Operable Unit:	01
Material ID:	562442
Material Code:	0001A
Material Name:	#2 Fuel Oil

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Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	317792
Spill Tank Test:	1531667
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	277568
Spill Number/Closed Date:	8704514 / Not Reported
Spill Date:	8/31/1987
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	9/1/1987
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	8/31/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	9/8/1987
Spill Record Last Update:	7/18/2012
Spiller Name:	Not reported
Spiller Company:	WILLETS POINT ASPHALT
Spiller Address:	COLLEGE PT. BLVD
Spiller City,St,Zip:	NEW YORK, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	225613
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "06/09/09-Vought-Due to lack of free product in offsite wells since 12/05 and no TOGs exceedences in offsite wells since 3/07 (minor exceedences at that time), Spill 790095 and PIN 9118 will be closed and Spills 8704514 and 8705123 which had been consolidated with this

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spill number will be remain open as RP never reconciled these tank test failures/discharges. WPA and TDC to be notified by letter of their continuing obligations regarding these open spills. Spill assigned to DEC Vought.Vought drafted TTF letter regarding spill #'s: 8704514, 8705123 and closing spill 7900995 with cc to Roux Associates (Sin Senh Ph:631-232-2600 Fax:631-232-9898) and submitted to DEC Urda for review. Letter addressed to:Mr. Peter TullyWillets Point Asphalt Corp.32-02 College Point Blvd.Flushing, NY 11354Fax:(718) 426-8737Ph:(718)446-7000and:Mr. Earle TockmanTDC Development & Construction Corp.136-20 38th Avenue, 12th FloorFlushing, NY 11354Ph:(718)713-026706/11/09-Vought-Called and spoke to Mr. Tockman inquiring as to fax number. Mr. Tockman asked what inquiry was regarding and Vought summarized letter and Mr. Tockman stated that Vought was "rude, unprofessional and incompetent". Vought politely explained reason for spill consolidation and fact that original TTFs were never resolved. Tockman did not provide fax but did provide email address of: Etock1@aol.com. Vought sent out certified letter to both parties, email to Tockman and fax to Tully. Vought suggested to all parties that meeting be held to discuss further action.07/15/09-Vought-Reviewed response to DEC letter dated 6/1/09 from Roux Associates (William Holubowich) and received on 6/30. "Because the tank test failures and associates spill numbers occurred approximately 20 years prior to TDC's purchase of the property, TDC is not aware of the circumstances associated with the two spills or their remediation, if any." Disscussion of TDC contracting Roux Associates to witness removal of three USTs in 9/07 and the passing tanks tests for these systems, no holes or leaking product or tank integrity issues were observed. Also discusses endpoint sample passing TAGM RSCO's. Note that the tanks referred to in this report are new and are not subject of reopened 1987 spills. Roux Associates installed three monitoring wells. "MW 1 was installed hydraulically downgradient of the 10,000-gallon UST excavation pit; MW-2 was installed on the northwest section of the site and MW3 was installed on the southwest section of the site." Groundwater at depth of 5'bg. "Monitoring wells MW-1 and MW-2 were not sampled because floating product (i.e liquid phase petroleum was observed in those monitoring wells." "It should also be noted that, based on court records reviewed by Roux Associates (State of New York vs. Willets Point Contracting Corp et al {125A.D.2d 742] the subject property was determined by the court not to be the source of the impact to groundwater associated with Spill Number 7900995."07/29/09-Vought-To send letter noting that USTs in report are not subject of 1987 TTF spills, 7900995 to be closed upon decomissioning of monitoring wells, USTs tests referred to in 2005 and 2007 may not have tested piping nor were samples collected from piping runs as per DER-10, number of endpoints collected around USTs were insufficient as per DER-10, that two subject spills relate to subsequent discharges and as such court case not relevant to these spills, the fact that product was documented as released during former tightness test, fact that endpoint sampls showed detections of VOCs particular to fuel oil indicating a release despite being below TAGM 4046 RSCOs.07/30/09-Vought-Received call from and spoke to Bill Klein (performed tightness test of 10,000-gallon UST) and piping from UST to adjacent pumproom was tested however piping that supplied #2 fuel oil to asphalt burners was never tested. Klein not sure if piping to burners as above or below grade. As per PBS registration there is "no piping" despite numerous site plans with documented piping. Vought

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submitted response letter to DEC Urda for review.08/03/09-Vought-Received back comments from DEC Urda and DEC Austin and Vought editted letter and sent to Tockman and Tully. Austin approved closure of 7900995 and referall to open spills 8704514 and 8705123.08/06/09-Vought-Received confirmation of delivery certified mail receipts from Tockman and Tully representatives.3/16/10-Vought-Received email from DEC Drescher that site is being used for storage for Mensch Mill and Lumber who is leasing site from TDC.3/23/10-Vought-Received call from and spoke to Roux (Bill Holubowich 631-232-2600) who was inquiring as to status and also noted that "Tully would be resolving petroleum issues at the site".5/26/10-Vought-Up to date file review by Vought:Letter from WPA (Devoe) to DEC-11/23/09. WPA performed FOIL request in response to DEC's letter dated 8/3/09. Letter includes repsonses to failures of 1987 including removal of the failed 10,000-gallon UST and installation of a UST in the same location and use of GPR inspect for the presence of other 10,000-gallon USTs onsite. GPR survey found that "there was no other 10,00-gallon tank at the site by the absence of buried metal objects (other than known tanks). No mention of sampling around failed UST. "Numerous additional investigations and a lengthy remediation process have taken place since the referenced spills took place. The data that was collected was sufficient to allow the Department to close the primary spill file 79-00995 that impacted the subject property. We believe the same data in addition to the information presented above should be sufficient to close the referenced spill." Letter also includes result of GPR survey.5/26/10-Vought-Case referral form submitted to DEC Legal.DEC requires:1)Recovery and monitoring of product in MW41A (see closed spill 7900995)2)Delineation of contamination3)Possible vapor barrier and/or SSD if property is developed4)reinstallation of onsite monitoring wells destroyed by removal of asphalt plant (see closed spill 7900995)5)cc Roux (Holubowich) and to DEC Drescher due to possible wetlands enforcement.6/11/10-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin and Vought transfer to Section A.9/27/10 - Raphael Ketani. Dean Devoe (718) 446-7000, ext 298 of Tully Environmental called(Tully is owned by the same company that owns Willets Point Asphalt), but I could only leave him a message. I spoke to Mr. Vought in regards to the nature of this spill and the related ones, #7900995 and #8704514. He said that the open spill (#7900995) originally was a PIN case where DEC was doing the investigating and delineation. However, this case was closed and the 1987 tank test failure cases were reopened. Each 1987 case was for a UST on site. However, there were 3 tanks at the site: a 10,000 gal. tank at the east edge of the site near the gate; a 1,000 gal. tank at the north edge of the site next to the hot A.C. tanks; and a 1,000 gal. tank near the southeast corner of the site next to the old electrical house. The site, itself, is a bare lot right now. Six DEC wells were destroyed as a result of the process of demolishing the asphalt plant. These were the only on site wells and were concentrated in the eastern part of the property. All of the off site wells had been abandoned as they didn't show any oil, except for MW 41-A. The 1/6/09 Test America data report for the off site wells was entirely non-detect. DEC was not allowed on site to sample the FN series wells before they were destroyed. Previously, Mr. Tockman had claimed that the contamination had been coming from off-site. However, no oil or contamination had been found coming from upgradient. There had been a plume under the U-Haul site to the

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south, but they voluntarily cleaned it up in the nineteen eighties. Both tanks and the associated piping had leaked oil into the ground. The DEC wells need to be reinstalled and the contamination needs to be delineated. Letters were sent to Mr. Tockman of TDC and to Mr. Tully of Willets Point Asphalt in late 2009 explaining the evidence for the spills and that the tank failures hadn't been addressed. One letter requested that a report be submitted describing an investigation of the spills. A report dated 6/22/09 was submitted by ROUX Associates describing a limited investigation. The results were either below TAGM for oil or non-detect. Mr. Voughts full notes about the spill are in #7900995. The paper reports are in the PIN file draws under PIN #91118. I spoke to Mr. Devoe. He said that the property was sold in 2007 to TDC Corp., 136-20 38 Avenue, Flushing, NY. I explained to him that the DEC wanted the destroyed wells replaced, and the contamination under the site delineated. He said that contamination had been found emanating from off site. I told him that DEC had records of tank failures for the 10,000 gal. tank and the 1,000 gal. tank. I added that I was told the piping associated with the tanks was also possibly defective. So there are a number of reasons why the oil came from the site. He said that he will contact TDC and let them know that the DEC wants work to take place at the site. I asked him what the current status of the site was. He said that, as best as he can tell, the site is a parking lot.11/10/10 - Raphael Ketani. I tried to contact Mr. Devoe (718) 446-7000, ext 298, but I could only leave a message. 11/15/10 - Raphael Ketani. Mr. Devoe called me today. He said that he did pass word along to staff in TDC Corp. regarding the DEC's request. I told him that I hadn't heard anything back. I asked Mr. Devoe for the TDC contact. He said that it's Earl Tockman at (718) 713-0267/e-mailEtock1@aol.com. I tried to contact Mr. Tockman by phone, but I could only leave a message. Later, I sent Mr. Tockman an e-mail requesting that the destroyed DEC wells be replaced and that the contamination be delineated. I added that if the DEC doesn't receive documentation that this is being done by December 10, 2010, then the case will be referred to the Office of General Counsel for legal action.Mr. Tockman called me back. We had a long discussion regarding what took place previously at the site. Mr. Tockman said that he was surprised that the previous owners, Tully Construction, had not submitted the investigation report. He had been under the impression that it had been sent to the DEC. I told him that we didn't have anything in our files. He was surprised to hear this. Mr. Tockman added that there had been a trial that the DEC was aware of whereby another party was found responsible for letting contamination run under the asphalt plant. I told him that I wasn't aware of this, but, I said, this trial wasn't the issue that needed to be resolved. I added that the wells that had been destroyed during the site demolition needed to be replaced and that there needed to be a soil and groundwater investigation. Mr. Tockman said that he will talk to people at Tully Construction about this. I added that if contaminated soil is discovered, then it may need to come out, depending on the analyte concentrations. He said that TDC Corp. didn't have any plans to dig out the site and develop this site soon due to the market. I told him that the Spills Unit required that the contamination be adddressed quickly, regardless of the development plans. Mr. Tockman said that he will get back in touch with me.11/26/10 - Raphael Ketani. John Urda of Region 2 Legal sent an e-mail to Mike Bogin of SPR Law stating that the DEC had requested action regarding the investigation

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of the site (see E-docs). However, none was taken. 2/2/11 - Raphael Ketani. I received an e-mail from John Urda of DEC Region 2 Office of General Counsel, with an attachment consisting of a letter from Richard Wynn, counsel to the owners of the asphalt plant. The letter was dated 1/31/11 and addressed to Mr. Urda. In the letter, Mr. Wynn stated that the wetlands violations were not justified and that the oil spill was from offsite and that the other spills which were open were just housekeeping issues. Therefore, there was no justification for having an open spill against the site.2/9/11 - Raphael Ketani. Mr. Urda sent a letter to Mr. Wynn, counsel for WPA, explaining the State's position regarding the wetlands violations, the spill case and legal action.2/10/11 - Raphael Ketani. Mr. Urda revised the letter to Mr. Wynn and it was sent out.3/2/11 - Raphael Ketani. Today I received an e-mail from Mr. Urda which contained the February 2007 Spectra Environmental Phase II. I reviewed the report. It appears that much more exploratory and remedial work is needed at the site.3/7/11 - Raphael Ketani. Mr. Devoe sent me an e-mail which contained an aerial photograph of the site. Various proposed boring locations were indicated on the map. I asked Mr. Devoe who the tenant was who wanted to move in quickly. He said that he didn't know. I told him that the DEC would be looking for a phase II report with raw analytical data for soil and groundwater samples and with summary tables for the data. I added that staff at the Department will review the proposed plan very soon.4/13/11-Vought-Drafted request letter for no new permit issuance and revocation of exisiting building permits to city agencies as per DEC Austin and after discussion with DEC Urda and submitted to DEC Austin for signature.4/13/11 - Raphael Ketani. Mr. Austin signed the letter and it was sent to Ira Gluckman (Queens Borough Commissioner), Gary Heath (NYC DEP), Chris D'Andrea (NYC DOH), Lance Michaels (NYC DCP) and Michael Hughes (NYS DOH).5/3/11 - Raphael Ketani. Jeff Vought of DEC Spills/Unit A told me today that GC Environmental is conducting work on the site this week and not to review any reports that they submit.5/31/11 - Raphael Ketani. Mr. Wynn, general counsel for Willets Point Asphalt Corp., sent the DEC an Oppositon to Motion dated 5/27/11.7/13/11-Vought-Reviewed additional documents received in OGC Document Request as per DEC Urda and DEC Austin. Documents included were as follows:Phase I ESA (Gannett Fleming-Ivy Olberding - Ph:516-671-8440)-September 2005. Gannett retained by Tully Environmental. Asphalt plant till present at time of Phase I.Site was originally a coal company since 1886 and produced asphalt since "the 1950's". Estimated groundwater flow to the west and at a depth of 10'bg. Lists closed spill 0105316 as recognized enviro concern (REC)at adjacent new location of Willets Point Asphalt at 35-52 College Point Blvd. (PM NOTE: This spill site owned by same RP (Willets Point Asphalt) and is for leaking 55-gallon drum which is a small source in a cross gradient location). Subject property did "not reveal any RECs" but did note three fuel oil storage tanks that may need "upgrades or replacement" to comply with current regulations. Also notes tanks may require "closure assessments" and that drums should be stored in "area with spill protection". "Appropriate assessment, investigative and remedial measures should be implemented" to close DEC active spill case. Report notes presence of five monitoring wells onsite used for "monitoring and up-gradient RCRA site". (PM NOTE: These were wells installed by DEC as part of fuel oil investigation and remediation). Phase I contains EDR report and does not mention review of DEC file for Spill 7900995. Report notes that 10,000 gallon fuel oil UST was

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due for tightness testing on 8/1/04. Report concludes that "as-built drawings, purchase receipts and/or regulatory agency files should be reviewed to determine compliance with applicalble petroleum tank system requirements." Phase I also notes that recordkeeping will include "monthly reconciliation of fuel oil consumption by all other combustion sources (eg boilers and tank heaters) based upon delivery receipts, on-hand inventory of fuel in storage tanks and gernerator fuel consumption meter readings". Report also notes annual emmission statements will be submitted to NYSDEC including "as summary of asphalt production and fuel oil consumption" and the "monthly recorded data". Phase I ESA Report(HydroTech Yashodhara Saha Ph:718-636-0800)-1/2/07. ESA prepared for David Peng, 36-17 Bud Place, Flushing, NY. Phase I found RECs including current presence of fuel oil USTs, active USTs are not registered with NYSDEC PBS, historical and current site use as asphalt plant and asphalt staining of ground surfaces. "There is extensive asphalt staining and spills in the vicinity of the HEATEC system. The subject property has poor housekeeping conditions". With regards to the asphalt manufacturing unit, "stains, petroleum odors and spills were noted along the manufacturing unit". "The ground surface at the subject property consists of petroleum stained asphalt and concrete". Groundwater flow is "torward the west in the direction of Flushing Creek". "...the ground surface of the facility consisted of asphalt stained concrete and dirt." "The soil may be impacted during the manufacturing process". Vent pipes for 10,000 gallon UST and UST in southwestern portion of the site could not be indentified. "Mo monitoring wells were identified on the subject property". (PM NOTE: Apshalt plant was still in place suggesting that well were destroyed prior to asphalt plant removal and prior to this third party Phase I). FOIA request to DEC only yielded spill 0008962. Foil request not included in report. PM NOTE: No mention of DEC remediation system or piping on College Point Blvd or spill 7900995. Phase I recommends subsurface investigation, PBS registration of all USTs, installation of soil borings in vicinity of USTs to "determine if their presence has affected the soil quality", installation of probes in "petroleum stained areas" and collection of groundwater samples.7/15/11-Vought-Continued review of documents received in OGC Document Request.Phase I ESA Scope of Work (Gannett Fleming -Stephen Hix)-7/18/05. Gannett Fleming reviewed "Bank of America's scope of work". Scope of work includes historical research, environmental information (FOIL), site inspection, report. Scope of Work for Phase II Services (Spectra Environmental Group Kimberly Punchar 518-782-0882)-1/26/07. Scope written for WPA Devoe. Proposal for eight soil borings to max depth of 15'bg, collection of eight groundwater samples, survey groundwater flow direction and provide report.Willets Point Asphalt Phase II Investigation (Spectra Environmental Group Ph:845-454-9440)- February 2007. Phase II due to Phase I by Hydrotech and Gannett Fleming. Eight soil borings and three monitoring wells installed. One soil sample collected from each boring for analysis. Two soil borings were completed as monitoring wells. Measured groundwater flow to the west and depth to water is 4.1-5.16'bg. GPR survey also performed by Spectra to locate any unknown USTs and was only able to located a buried steel sheet. Soil analyticals show: 19000ppb napthalene(SB1 7-7.5'), 66000ppb napthalene(SB1 7-7.5'bg), 78000ppb TPH(SB1 7-7.5'bg), 10,000ppb napthalene(SB4 8-10'bg), 11,000ppm TPH(SB4 8-10'bg), 2400ppm TPH(SB5 8-10'bg), 1,100ppb napthalene(SB6 2-4'bg), 23,000ppb

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methylnapthalene(SB6 2-4'bg), 6,900ppm TPH(SB6 2-4'bg), 2000ppb napthalene(SB7 6-8'bg). PID readings of soils showed 94ppb SB1 2-4'bg, 150ppb SB6 2-4'bg, 71ppm SB7 6-8'bg. PM NOTE:All soil samples collected were from below water level table fluctuation zone and therefore cannot be used for onsite source characterization). Groundwater analyticals show 25ppb MTBE(MW1) and 9ppb 1,2,4-trimethylbenzene(MW2). Note that MW1 and MW3 wells have groundwater levels within the riser and not the screen and cannot be used. Report notes three DEC wells onsite and groundwater remediation system on College Point Blvd.Limited Phase II Environmental Site Assessment (GC Environmental-Gregory Collins-631-206-3700)-6/30/11. Purpose of Phase II ESA is to "determine the environmental impact of the failed tank tests performed on the former (1956) 10,000 gallon fuel oil tank." Twelve soil borings were installed on 5/19/11. Probes done using Geoprobe and borings terminated at 12'bg. Twelve soil samples collected and 9 out of 12 samples collected at 5-10' internval (PM NOTE: historical groundwater depth is 4-8'bg and therefore these samples cannot be used for onsite source characterization). Report notes groundwater flow to the west. Following shallow PID readings obtained: 89ppm(SB5 0-5'bg), 16ppm(SB7 0-5'bg). Soil was compared with industrial use standards. "Visual and olfactory contamination (petroleum odor) and elevated PID readings were detected in most of the soil borings". Petroleum stains were detected in soil borings SB-4, SB-5. SB-7, SB-9, SB-11 and SB-12." Report recommends additional investigation of upgradient locations to determine "if offsite sources have impacted the subject Property" and also recommends of benzo(a)pyrene contamination (4.7ppb) in SB8. Borings logs for B1, B2, B3, B5, B6, B7, B8, B9, B10, show "petroleum odor was detected at all depths". Boring logs for B4 show "petroleum stain" at 0-5'bg and for B11 show "petro stain at all depths". Soil analyticals show: 27,00ppb napthalene(SB5 0-5'bg), 2700ppb xylene(SB5 0-5'bg), 4600ppb n-propylbenzene(SB5 0-5'bg), 29000ppb phenanthrene (SB5 0-5'bg), 9500pb acenapthene (SB5 0-5'bg), 8200ppb 1,1,-dichloroethane (SB7 0-5'bg). Soil analyticals from 5-10' samples show Unrestricted however are not listed at this time as they cannot be used for onsite source determination. PM NOTE: Presence of fuel oil contaminants in shallow soil at levels above background indicate onsite sources of petroleum regardless of CP-51 Soil Cleanup Objectives.Letter from Triumvirate (Lauren Biggs Ph:800-966-9282)-2/14/07. Acceptance letter for oil contaminated soil "oily soil" shipped on 2/3/07. No note of source but may be investigation derived waste as one 55-gallon drum and one 30-gallon drum.8/23/11-Vought-Received and reviewed Limited Phase II Environmental Site Assessment from GC Environmental (Greg Collins Ph:631-206-3700) that was sent via email from Dean Devoe to DEC Ketani on 8/19. Vought also added to E-docs. Site history includes installation of twelve borings on 5/19/11 with recommendation of soil excavation adjacent to boring SB-8. GCE arrived onsite on 7/27 and began excavation and removed 15 cubic yards of soil with excavation 13'x13'x30"deep and five endpoint samples were collected for 8270 analysis and one sample collected for disposal facility requirements. Endpoint analyticals compared to Restricted Use Soil Cleanup Objectives (NOTE: Restricted track not approved by DEC to date). SVOC exceedences of PAHs resulted in further excavation on 8/3. On 8/3, an additional 11 yards of soil was removed from the site extending excavation dimensions to 18'x18'x30"deep and collected two endpoint samples for analysis as excavation expanded only to the south and

WILLETS POINT ASPHALT (Continued) **S100143812**

east. Review of analyticals showed endpoint samples exceeded target values on south wall and excavation was extended on 8/9 via removal of another 11 cubic yards of impacted soil and one additional endpoint samples was collected for anlaysis. Analyticals showed no target value exceedences. Disposal manifests included in report. Excavation was backfilled.9/22/11 - Raphael Ketani. The Ruling on Motion for Order Without Hearing dated 9/22/11 was received by Mr. Urda today.10/27/11 - Raphael Ketani. As part of the caseload realignment order by Randall Austin, Chief of the Spills Unit, I am transfering this case to Jeffrey Vought in the Spills Unit. 11/3/11-Vought-Mediation Conference held with judge, DEC Urda and Vought, Dean Devoe, Rick Wynn and owner (Dan Scully) to discuss Permits and Spills violations. DEC will send out Consent Order including Corrective Action Plan.12/14/11-Vought-Consent Order (including CAP) signed by Willets (Scully) and DEC Urda noted Vought to call Dean Devoe (Ph:718-446-7000x298) to discuss submission of Investigation Work Plan as per CAP for Consent Order. Vought called Devoe and left message to arrange techincal meeting at DEC offices to discuss requirements for Investigation Work Plan.12/19/11-Vought-Called Dean Devoe (Cell:917-417-1524) and site visit scheduled for 1/9 with Devoe to discuss and negotiate Investigation Work Plan.1/13/12-Vought-Sent email to WPA Devoe with available dates for second meeting for discussion of Investigation Work Plan. Vought confirmed second meeting date of 2/2. Meeting later confirmed for 2/11.2/11/12-Vought-Visit to Tully offices on 1/9/12 and 2/11/12 to discuss acceptable Investigation Work Plan to be submitted to Department. The Departments 8/3/09 letter was used a guide to address Department investigatory concerns. Vought noted to Devoe that if Willets Point Asphalt continued think that the on-site contamination was from an off-site source, then a tidal study (with 24-hour transducers) should be part of Work Plan. Discussion also included uncertainly of amount of backfill/grading after removal of the plant and its effects on pre-determination of sampling depths before investigation. Due to unknown backfill amount, soil borings in areas of historical contamination will be performed continuously to water table with collection of water sample. Piping investigations and shallow sources will have continuous sampling from 0-5'bg at a minimum. At all borings, Geoprobe 4" macrocores will be spilt into two foot segments to increase shallow soil delineation capabilities due to shallow water table. Vought noted that if refusal encountered via Geoprobe then Department would require more aggressive drilling method (eg hollow stem auger). Agreement reached on following:10000-GALLON FUEL OIL UST SYSTEM: Continuous soil samples will be collected to water table (Geoprobe macro cores will be split into two foot segments to increase delineation capabilities) at former boring locations SB-11, SB-12 along piping run and will be named SB-14 and SB-15. Another soil boring will be at oil burner location and will go to 5'bg as shallow piping and will be named SB-13 (due to field indications of contamination down to and below water table). . No sampling currently required at tank due to prior well FN19 showing levels below TOGs Standards. UST investigation results will be satisfied by FN-19, FN-16 and MW-25(which showed little dissolved contamination in 3/07). 1000-GALLON OFFICE UST SYSTEM: Former boring SB-7 will satisfy piping investigation requirements. UST investigation requirements satisfied via former boring FN-3. 1000-GALLON GENERATOR TANK: Continuous soil samples will be collected to water table (Geoprobe macro cores will be split into

WILLETS POINT ASPHALT (Continued) **S100143812**

two foot segments to increase delineation capabilities). One soil boring will be continuous to the water table at the UST location and will be called GT-1. One boring will be performed by piping elbow and will be named GT-2 and will include collection of soil and groundwater sample due to SB5 from Roux investigation dated 5/11 shows soil contamination from 0-5'bg at piping location. Boring B-3 from 10/91 statisifes one piping sample location. One boring will be performed for soil samples from 0-5'bg at bend in piping to generator house and will be named GT-3.KEROSENE TANK: Former boring FN-5 satisfied investigation of kerosene AST. SHALLOW SOIL SAMPLES FROM 10/91(BULLET 6 of DEC 8/3/09 LETTER): Investigation of shallow soil contamination in borings in Boring B1 satisfied via SB-7 and FN-3. Shallow contamination in Boring B2. Shallow contamination in Boring B2 satisfied via boring FN-5 at adjacent kerosene UST. Vought noted contamination in Boring B4 is minimal and also satisfied as per FN-2.SOIL BORING IN MAY 1992 SHOWING FREE PRODUCT AND SHALLOW CONTAMINATION(BULLET 7 OF DEC 8/3/09 LETTER): Investigation satisfied via boring FN-19, FN-16 and MW-25. MW-25 showed no dissolved contamination as well as of 3/07 results.SOIL SAMPLES FROM 4/93 AT FN-13 SHOWING FREE PRODUCT AND SHALLOW CONTAMINATION(BULLET 8 OF DEC 8/3/09 LETTER): GT-1 shifted approximately 5' to the north for FN-13 investigatory requirements.OVERFLOWING BUCKETS OF OIL OBSERVED BY DEC STAFF ON 2/25/00: One boring will be installed from 0-5'bg by the hot elevator due to shallow soil source of buckets. Boring will be named HE. Spill by Hot Elevator as per Scully.SPECTRA 2/07 REPORT: Heavy napthalene in soil at MW-1 below water table and water level above screen in currently installed well. One boring will be performed with soil and groundwater samples named OC1 as adjacent to former Overhead Conveyor.Vought also noted to Devoe that if Willets Point Asphalt continued think that the on-site contamination was from an off-site source, then a tidal study (with 24-hour transducers) should be part of Work Plan. Vought also noted that two soil samples to be collected from shallow soil borings (highest PID and deepest dry).4/23/12-Vought-Reeived attached boring location plan from WPA Devoe and if DEC approves he will forward it to current site owner to confirm accessibility and he is also developing scope of work to accompany site plan.7/17/12-Vought-Called and spoke to WPA Devoe and Vought approved boring location plan and required submission of scope of work of both shallow borings to delineate possible piping sources as well as for deeper borings to groundwater at other locations. Vought sent email with same request.7/18/12-Vought-Sent email to WPA Devoe with notes from 1/9/12 and 2/11/12 office visit by Vought and summary of resulting investigatory requirements. Vought also included some standardized language that may be used in report for sampling requirements.DEC requires:1)Investigation of location of former 10,000-gallon #2 fuel oil AST and associated piping2)Investigation of locations of two former 1000-gallon #2 fuel oil ASTs and associated piping3)Investigation of FN-134)Investigation of location of photos of overflowing buckets of fuel oil dated 2/25/00.5)Collection of highest PID and deepest dry sample and installation of well is contaminated soil extends to the water table.6)cc to Devoe, Urda and Wynn

Remarks: HIGH VOLUME LEAK, TANK TEST FAILURE, WILL EXCAVATE, ISOLATE, AND RETEST.

Material:
Site ID: 277568

WILLETS POINT ASPHALT (Continued) **S100143812**

Operable Unit ID:	908257
Operable Unit:	01
Material ID:	467147
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	277568
Spill Tank Test:	1531519
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AH267 **WILLETS POINT ASPHALT PL** **NY Spills** **S105141572**
SW **35-52 COLLEGE POINT BLVD** **N/A**
1/8-1/4 **FLUSHING, NY**
0.235 mi.
1243 ft. **Site 11 of 13 in cluster AH**

Relative:
Lower

Actual:
9 ft.

SPILLS:

Facility ID:	0105316
DER Facility ID:	95612
Facility Type:	ER
Site ID:	108814
DEC Region:	2
Spill Date:	8/16/2001
Spill Number/Closed Date:	0105316 / 10/24/2005
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	jabeilby
Referred To:	Not reported
Reported to Dept:	8/16/2001
CID:	396
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

AM296 **BEECHHURST SHORES** **NY SWF/LF** **S108145702**
East **139-81 35 AVENUE** **N/A**
1/4-1/2 **FLUSHING, NY 11354**
0.257 mi.
1357 ft. **Site 1 of 2 in cluster AM**

Relative:
Higher

Actual:
39 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	Not reported
Owner Name:	CIAMPA BELL COMPANY
Owner Type:	Private
Owner Address:	139-81 35 AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	FLUSHING, NY 11354
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Landfill - construction and demolition debris
Activity Number:	[41D07]
Active:	No
East Coordinate:	598985
North Coordinate:	4513395
Accuracy Code:	Not reported
Regulatory Status:	None
Waste Type:	Not reported
Authorization #:	0
Authorization Date:	Not reported
Expiration Date:	Not reported

AM297 **ROSE TERRACE APTS** **NY LTANKS** **S109416329**
East **139-81 35TH AVE** **N/A**
1/4-1/2 **FLUSHING, NY 11354**
0.257 mi.
1357 ft. **Site 2 of 2 in cluster AM**

Relative:
Higher

Actual:
39 ft.

LTANKS:

Site ID:	408743
Spill Number/Closed Date:	0811185 / 4/20/2009
Spill Date:	1/9/2009
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/9/2009
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False

35-06 PARSONS BLVD (Continued) **S102145318**

Tank Test:

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325 East 1/4-1/2 0.427 mi. 2257 ft. **SHELL**
141-54 NORTHERN BLVD
FLUSHING, NY

NY LTANKS **S100494541**
NY MANIFEST **N/A**
NY Spills

Relative: Higher

Actual: 57 ft.

LTANKS:

Site ID:	202462
Spill Number/Closed Date:	9702798 / Not Reported
Spill Date:	6/4/1997
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	aaobliga
Referred To:	RAP WITH SYSTEM DESIGN BY 7/16/13
Reported to Dept:	6/4/1997
CID:	370
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	4
Date Entered In Computer:	6/4/1997
Spill Record Last Update:	4/16/2013
Spiller Name:	BROOKS PERLEE
Spiller Company:	SHELL
Spiller Address:	141-54 NORTHERN BLVD
Spiller City,St,Zip:	FLUSHING, NY
Spiller County:	001
Spiller Contact:	BROOKS PERLEE
Spiller Phone:	(516) 365-2489
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	168417
DEC Memo:	12/3/03 Reassigned from Mulqueen to Foley. See also spill #9613836.9/25/03 July-Sept 2003 update report submitted by NES.BTEX range ND(MW-4,MW-5) to 1744ppb(MW-3).MTBE range ND(MW-4, MW-5) to 2670ppb(MW-2).DTW 45-47' bgs. Flows south at 0.01ft/ft. William Benneson Rehabilitation Pavilion located across Parsons Blvd. MW-5 on corner of Parsons and Northern Blvd. Flushing Manor Nursing and Rehab Center northeast of site. Residential buildings downgradient of site.Elevated levels of vapors were detected emanating from well 1 on May 23 and May 24, 2000. Subsequent monitoring was inconclusive.1/5/04 Received update report from NES, dated 12/30/03. DTW 45-47'bgs. Flow varies from southwest to southeast. Three medical facilities, a YMCA and a school are located within 1/2mi of the site. NES recommending ORM to be placed in wells 1,2,3 on a semi-annual basis and continue quarterly monitoring.MW-2 is the hottest well with BTEX at 2727ppb and MTBE at 5650ppb. Offsite upgradient well, MW-5 is

SHELL (Continued) **S100494541**

clean. Downgradient wells MW-4 and MW-6 are OK. May need additional wells downgradient of MW-2 and MW-3 (area of former 550gal gas USTs).3/25/04 Received update report. BTEX ND(MW-4,MW-5) to 2260ppb(MW-3). MTBE from ND(MW-4, MW-5) to 2620ppb(MW-2). Mailed letter to Rob Rule, Shell, to install two additional borings/wells southwest of MW-2 and MW-3. Report due 5/28.5/18/04 Received copy of letter to George Lee, owner of Asian Mart at 141-40 Northern Blvd, requesting access to property to install two monitoring wells.5/27/04 Received deadline extension request. Requesting report be submitted by 7/28/04. Proposed investigation includes performing soil borings and installing monitoring wells at two off-site locations to the west of the site. Samples will be collected continuously and screened by PID. Deepest dry soil samples or the sample with the highest PID reading will be submitted for 8260 analysis. Following installation, wells will be developed and surveyed. Groundwater samples will be collected approx one week later.5/27/04 Mailed certified letter to Mr. George Lee requesting property access.8/9/04 Received off-site investigation report. On 6/19/04, one MW was installed off-site. GW was encountered at 45'bgs and the well was completed at 53'bgs. On 6/20-6/21/04, six soil borings were conducted in an attempt to install an additional off-site well. All attempts ended in auger refusal. The soil sample collected from the 44-46'bgs interval at MW-7 was analyzed and meets soil cleanup objectives. 11/9/04 Received update report. Samples collected on 6/29/04 showed concentrations of BTEX from 2.3ppb(MW-4) to 16260ppb(MW-7, in Asian Mart parking lot,crossgradient). MTBE ranged from 2000 ppmv) soils were overexcavated. Final excavation was 27 feet wide by 16 feet long by 15 ft deep. ~269 tons of soil was excavated. 4 sidewall samples (10 ft bgs) and 1 bottom sample (15 ft bgs) collected. Only one hit for MTBE (7,260 ug/kg) in bottom sample.UST Excavation #3 - 12 550 gallon concrete encased foam abandoned single wall steel USts were removed. The USTS were in poor condition with advanced pitting. Stained soil around USTs and PID readings >2000 ppmv. Final excavation was 55 ft long by 27 to 47 ft wide by 12 to 16 ft depth. Approximately 1132 tons of soil was excavated. Endpoint PIDs ranged from 52.1 ppmv to 2000 ppmv. Excavation limited by site constraints (sidewalk and station building) 8 sidewalls (8 - 12 ft bgs) and 4 bottom samples (12 - 16 ft bgs) collected. Analtical results for BTEX range from ND to 145,00 ug/kg (N-1 @12 ft) total VOCs ranged from ND to 327,000 ug/kg (n-1 @12 ft). MTBE from ND to 6110 ug/kg (E-2 @10 ft).Product Dispenser Closure - 4 dispensers removed, no perceived impacts below deispensers, PID from ND to 3.5 ppmv. 4 Samples all ND for VOCs.Product Piping closure - Piping removed. No apparent odors or staining below piping PID readings from ND to 1.3 ppmv. 4 samples collected, all ND for VOCs.Hydraulic lift closure - 3 underground hydraulic lifts removed. No apparent odors or staining. PID from ND to 2.8 ppmv. 3 samples collected all ND for SVOCs.Waste disposal - 1766 tons of soil was excavated for disposal. Disposal documentation included. 14 55 gallon drums of liquied,sludge, and absorbent material was removed. Disposal documentation will be submitted. 40 cubic yards of foam disposed of but documentation not submitted yet. Summary/recommendations - 1766 tons of soil removed. 9 endpoint samples did not meet RSCOs. Recommends continued quarterly monitoring. 9/17/07 - Obligado - Review quarterly reporting :4Q06 - Work Performed - gauged and sampled 4 wells. No LNAPL detected, gw flow is southwesterly, BTEX Range is ND to 21908 ug/L (MW3), and MTBE Range is ND to 4040 ug/L (MW3). Proposed plans are for continued

SHELL (Continued) **S100494541**

quarterly ground water sampling.1Q07 - Work performed - Guaged and sampled 4 wells on March 14, 2007. MW2 adn MW4 have been paved over. No LNAPL detected. BTEX range from ND to 15177 ug/L (MW3), MTBE from ND to 4860 ug/L (MW3). GW 43 ft bgs. Proposed plans to continue ground water monitoring.2Q07 - Work performed - Sampled 5 gw monitoring wells, BTEX ranged from ND to 31263 ug/L (MW3). MTBE ranged from ND to 48600 ug/L (MW2). No guaging data provided. Proposes continued monitoring. 10/4/07 - Obligado - Portfolio meeting with Rob Rule of shell, Heather Cloud of GES, and Eric Harvey of GES, and myself of DEC. At the portfolio meeting we discussed this site due to increasing BTEX numbers in MW3. Rob suggested that the increases might be due to the site being unpaved after the tank removal and rain flushing residual soil contamination down to the ground water. I told Shell to submit a RAP by 12/31/07. I will send a Stipulation Agreement. 12/20/07- Obligado - Review 3rd Quarter monitoring report. BTEX range from ND to 37990 ug/L (MW3) and MTBE Range from ND to 33,500 ug/L (MW2). No LNAPL detected. Proposes performing VEFR on MW2 and MW3, submission of a RAP by December 2007.2/20/08 - Obligado - Review Investigation Workplan for additional delineation prior to RAP submittal. Proposes 6 on-site soil borings, 3 borings converted to monitoring wells. I approved the plan with requirement to survey all new and existing wells. The due date for the report is 4/20/08. 5/08/08 - Review 4Q07 update report. Work Performed - VEFR events conducted in October, November, and December. Ground water sampled in December 2007. BTEX ranged from ND to 23,366 ug/L (MW3). MTBE ND to 8750 ug/L (MW2). Proposed performing additional events.5/9/08 - Obligado - Review 1Q08 Update report. VEFR events conducted in January and March. March 3 ground water wells and 3 soil borings were advanced on site. All wells were sampeld and surveyed. BTEX range is ND to 30,840 ug/L (MW3). MTBE range is from ND to 23,800 ug/L (MW2). No LNAPL detected. Proposes submission of Site Status Report in July 20088/26/05 - Obligado - Review Site Investigation Report. 3 soil borings and 3 wells are installed. Soil impacts are primarily limited to the northern portion of the property in vicinity of 10,000 gallon USTs. Depths ranging from 43 to 61 feet bgs on the northeastern portion of the property and 8 to 52 feet bgs on the northwestern portion of the property. Of 3 new wells, MW9 had very high impacts - >12,000 BTEX. Site is still not delineated West and north. Requests approval to discontinue investigation. 8/29/08 - Obligado - Emailed pdf letter to Shell requiring additional delineation of gw plume. A workplan must be submitted within 30 days.9/16/09 - Obligado - Meeting with Shell, DEC, GES. 1/6/09 - Obligado - Sent approval letter for IWP.10/21/09 - Obligado - Reviewed SSIR submitted 7/31/09. Report concludes plume is not delienated and recommends installation of 2 additional wells to the west. Sent approval for additional installations.11-9-09 - Obligado - They will proceed with well installations as per approved plan.8/9/10 - Obligado- Reviwed the 1st Quarter 2010 status report. 2 wells were installed, MW12 adn MW13. MW12 had minimal impacts, MW13 had 1,804 ug/L BTEX. No soils were detected above SCOs. Report recommends sampling the new wells for full list STARS VOCs, as only BTEX and MTBE were analyzed during this event. I also reviewed the 2nd Quarter 2010 report. BTEX ranged from ND to 26,000 ug/L. MTBE ranged from ND to 86,000 ug/L. Report proposes additional monitoring.3/9/11 - REview 4Q10 report. They conducted quarterly monitoring. Max BTEX is 23,000 ug/L. Max MTBE is 60,000 ug/L. A remedial action plan is required for on-site. Additional delineation may be warranted. Need rose diagram

SHELL (Continued) **S100494541**

to determine if downgradient.10/5/11 - Obligado - I reviewed a work plan for additional investigation. One well is propoesed downgradient to west and one well to north. I emailed Sarah that I thought one well to north is not sufficient. I also inquired why they are proposing installing the well on private property. I also required a RAP or feasibility study to bein remediating on-site.4/11/12 - Obligado - I approved the AS/SVE pilot test plan.10/19/12 - Obligado - I reviewed the 2nd Quarter 2012 Update Report. From Report:BTEX Range - ND to 16,555 ug/L MW-3)MTBE Range - ND to 21,900 ?g/L (MW-3).PROPOSED PLANS- Conduct quarterly groundwater sampling activities in August 2012.- Prepare and submit a Quarterly Monitoring Report in October 2012 documenting the quarterly siteactivities.- Conduct work outlined in the February 2012 Air Sparge and Vapor Extraction Pilot Test Plan.- Submit a revised workplan for the installation of offsite monitoring wells.- Analyze for oxygenates at MW-3 due to the increased MTBE concentrations observed at this well.I emailed Jennifer Gillies to inquire if the AS/SVE installations are completed.11/13/12 - Email update from Jennifer Gillies. " Drilling activities have been interrupted due to Hurricane Sandy and its aftermath. The drilling is now scheduled to be completed the week of December 10, 2012.URS is also updating the implementation schedule for the pilot test activities. The current schedule dictates that the pilot test will commence within 30 days of the wells being installed. The new implementation schedule will be extended to 60 days. This will allow time to reschedule the pilot test should NYC experience winter storms. As originally scheduled, the pilot test report will be submitted within 60 days following the completion of field activities and receipt of analytical data. If you have any questions please feel free to contact me."4/16/13 - Obligado - I reviewed the AS/SVE pilot test report. According to the report, which was signed and stamped by a PE, "AS/SVE appears to be an effective technology for both soil and groundwater remediation at this site." The report states that "AS/VE can effectively and aggressively address the shallow soil impact located in the area of the former 550-gallon UST field and the deep soil impact located on the northeast corner of the site." If implemented, the AS/VE system will utilize a deep VE ROI of 40 feet and a shallow SVE ROI of 10 feet. The AS system will utilize an ROI of 30 feet. I emailed Sarah Saucier to inquire when I should expect to receive the RAP with the full scale design.4/16/13 - Oligado - Sarah responded that I will receive the RAP within 90 days.

Remarks: tank test failure of vacuum leak will do further tests to find problem
Not reported

Material:

Site ID:	202462
Operable Unit ID:	1048738
Operable Unit:	01
Material ID:	335728
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True

SHELL (Continued) **S100494541**

Site ID:	202462
Operable Unit ID:	1048738
Operable Unit:	01
Material ID:	575843
Material Code:	2645A
Material Name:	BTEX
Case No.:	Not reported
Material FA:	Oxygenates
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	202462
Operable Unit ID:	1048738
Operable Unit:	01
Material ID:	575842
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True

Tank Test:

Site ID:	207330
Spill Number/Closed Date:	9211069 / 3/4/1993
Spill Date:	12/23/1992
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	3/4/1993
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	12/23/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/24/1992
Spill Record Last Update:	4/26/1993
Spiller Name:	Not reported
Spiller Company:	N. PARSON GAS MART
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001

SHELL (Continued) **S100494541**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	172075
DEC Memo:	Not reported
Remarks:	WILL NOTIFY NYC FO - EXCAVATE - ISOLATE - RETEST. 12/31/92 9:25 AM LM FOR MARIA QUINA 516-942-4141.

Material:

Site ID:	207330
Operable Unit ID:	978030
Operable Unit:	01
Material ID:	404496
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYD981483944
Country:	USA
Mailing Name:	SHELL OIL COMPANY
Mailing Contact:	SHELL OIL COMPANY
Mailing Address:	30 JERICHO EXECPLAZASUITE50C
Mailing Address 2:	Not reported
Mailing City:	JERICHO
Mailing State:	NY
Mailing Zip:	11753
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	516-937-3020

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	9613836
DER Facility ID:	168417
Facility Type:	ER
Site ID:	202461
DEC Region:	2
Spill Date:	2/25/1997
Spill Number/Closed Date:	9613836 / 12/29/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

CLOSED-LACKOF RECENT INFO (Continued) **S100145152**

Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

---

327 SSW 1/4-1/2 0.435 mi. 2296 ft.

SPECTRUM MAINTENANCE CORP
39-08 JANET PLACE
FLUSHING, NY 11354

CERCLIS 1000547945
PRP NYD130153117

Relative: Lower

Actual: 25 ft.

CERCLIS:

Site ID:	0204162
EPA ID:	NYD130153117
Facility County:	QUEENS
Short Name:	SPECTRUM MAINTENANCE CORP
Congressional District:	07
IFMS ID:	02JY
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	R
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	07/14/00
Site Fips Code:	36081
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	JANET DRUMS
Alias Address:	Not reported
	NY
Alias ID:	102
Alias Name:	SPECTRUM MAINTENANCE CORP
Alias Address:	Not reported
	NY
Alias Comments:	Not reported

Site Description: Not reported

SPECTRUM MAINTENANCE CORP (Continued) **1000547945**

CERCLIS Assessment History:

Action Code:	001
Action:	REMOVAL ASSESSMENT
Date Started:	04/03/98
Date Completed:	04/03/98
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL
Date Started:	04/03/98
Date Completed:	04/29/98
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Emergency
Action Anomaly:	Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	04/03/98
Date Completed:	09/16/98
Priority Level:	Search Complete, Viable PRPs
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	09/16/98
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL

SPECTRUM MAINTENANCE CORP (Continued) **1000547945**

Date Started:	04/29/98
Date Completed:	02/09/99
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access
16 additional US CERCLIS Financial: record(s) in the EDR Site Report.

PRP:
PRP name: QR DEVELOPMENT CORP

---

328 ESE 1/4-1/2 0.439 mi. 2320 ft. | **HERITAGE WEST 143-37 38TH AVE. FLUSHING, NY 11354** | **NY LTANKS NY UST** | **U001834017 N/A**

Relative: Higher
Actual: 64 ft.

LTANKS:

Site ID:	157329
Spill Number/Closed Date:	9807106 / 4/8/2003
Spill Date:	9/3/1998
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	No spill occured. No DEC Response. No corrective action required.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	9/10/1998
CID:	366
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/10/1998
Spill Record Last Update:	4/8/2003
Spiller Name:	KEVIN CULLEN
Spiller Company:	DIVERSIFIED REALTY
Spiller Address:	PO BOX 1200
Spiller City,St,Zip:	JERICHO, NY 11753-
Spiller County:	001
Spiller Contact:	KEVIN CULLEN
Spiller Phone:	(718) 445-1135
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	133063
DEC Memo:	Not reported
Remarks:	CALLER REPORTING UNDERGROUND TANK FAILED TEST.

APPENDIX C

PHOTOLOG

Photo #1 – General view of the subject property.

Photo #2 – View of the south side of the subject property. View is towards the west.

Photo #3 – View of the east side of the subject property. View is towards the south.

Photo #4 – View of the north side of the subject property. View is towards the west.

Photo #5 – General view of the solid waste accumulation on the north side of the building exterior.

Photo #6 – General view of the parking garage portion of the building.

Photo #7 – Floor drain (typical).

Photo #8 – General view of the solid waste accumulation in the northeast corner of the building interior.

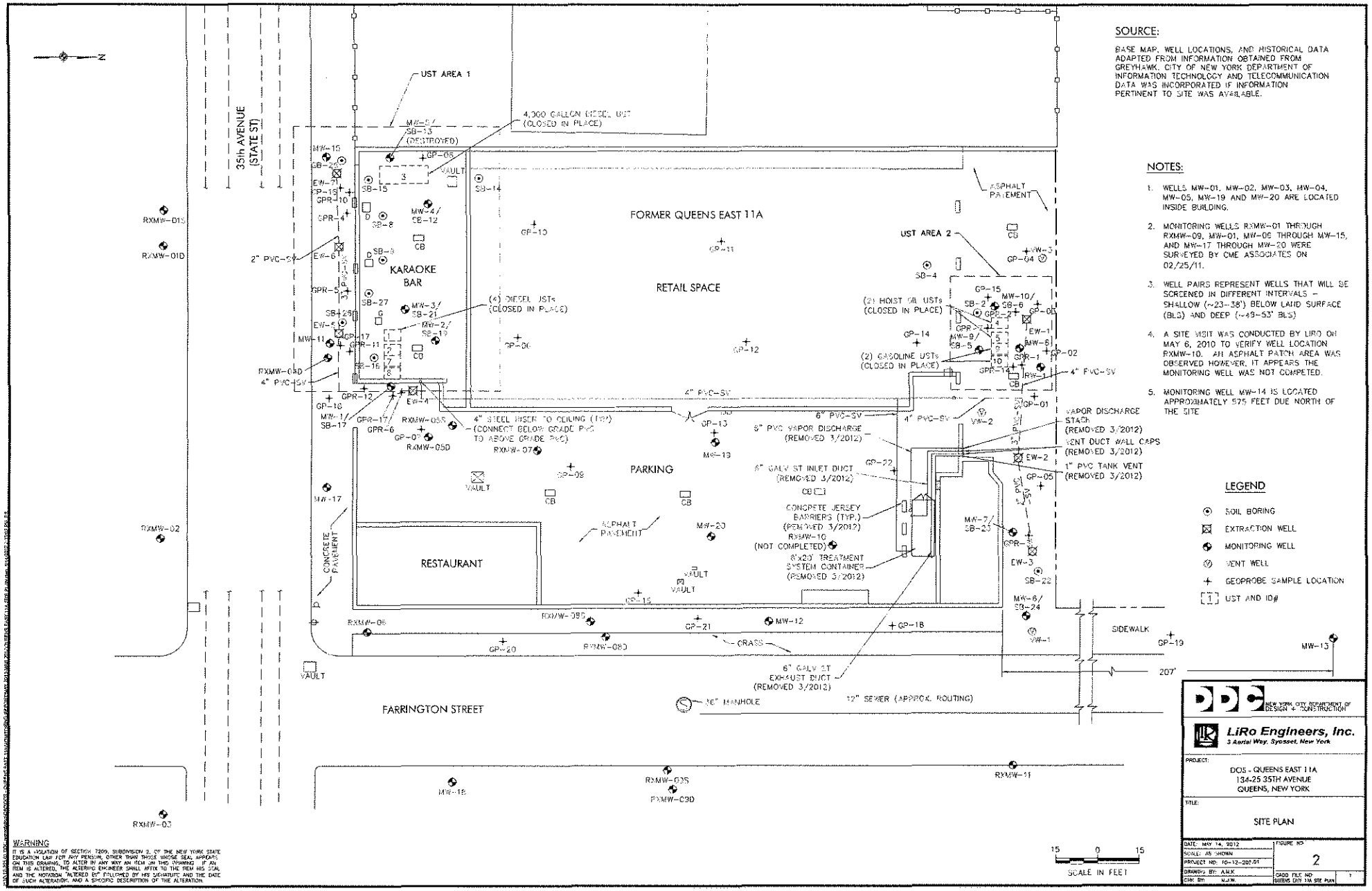
Photo #9 – General view of the commercial space in the building (typical).

Photo #10 – General view of the collapsed roof in the southwest corner of the building (typical).

Photo #11 – Monitoring well (typical).

APPENDIX D

PREVIOUS INVESTIGATION DOCUMENTS



SOURCE:

BASE MAP, WELL LOCATIONS, AND HISTORICAL DATA ADAPTED FROM INFORMATION OBTAINED FROM GREYHAWK. CITY OF NEW YORK DEPARTMENT OF INFORMATION TECHNOLOGY AND TELECOMMUNICATION DATA WAS INCORPORATED IF INFORMATION PERTINENT TO SITE WAS AVAILABLE.

NOTES:

1. WELLS MW-01, MW-02, MW-03, MW-04, MW-05, MW-19 AND MW-20 ARE LOCATED INSIDE BUILDING.
2. MONITORING WELLS RXMW-01 THROUGH RXMW-09, MW-01, MW-06 THROUGH MW-15, AND MW-17 THROUGH MW-20 WERE SURVEYED BY CME ASSOCIATES ON 02/25/11.
3. WELL PAIRS REPRESENT WELLS THAT WILL BE SCREENED IN DIFFERENT INTERVALS – SHALLOW (~23–38') BELOW LAND SURFACE (BLS) AND DEEP (~49–53' BLS)
4. A SITE VISIT WAS CONDUCTED BY LIRO ON MAY 6, 2010 TO VERIFY WELL LOCATION RXMW-10. AN ASPHALT PATCH AREA WAS OBSERVED HOWEVER, IT APPEARS THE MONITORING WELL WAS NOT COMPETED.
5. MONITORING WELL MW-14 IS LOCATED APPROXIMATELY 575 FEET DUE NORTH OF THE SITE

LEGEND

- SOIL BORING
- EXTRACTION WELL
- MONITORING WELL
- VENT WELL
- GEOPROBE SAMPLE LOCATION
- UST AND ID#

WARNING

IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK CITY DEPARTMENT OF DESIGN & CONSTRUCTION

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

PROJECT:
DOS - QUEENS EAST 11A
134-25 35TH AVENUE
QUEENS, NEW YORK

TITLE:
SITE PLAN

DATE: MAY 14, 2012	FIGURE NO
SCALE: AS SHOWN	2
PROJECT NO: 10-12-200.01	
DRAWING BY: A.M.K.	CADD FILE NO: QUEENS EAST 11A SITE PLAN
CHK BY: M.J.W.	1

TABLE 1
SITE MONITORING PROGRAM
DOS - QUEENS EAST 11A
134-31 35th AVENUE, QUEENS, NEW YORK

SITE: QUEENS EAST 11A (as of September 2012)			EVENT		
			SITE ROUTINE OPERATION and MAINTENANCE		
			FREQUENCY Each Visit, Monthly, Quarterly, Semi-Annual, Annual, As Observed or As Directed	**LIST** (Sub list of locations for specific task)	**NOTES** (Specific Instructions & Comments)
TASK	MONITORING	Well Gauging	Semi-Annual	All accessible site wells	--
		Product Gauging	Semi-Annual	All accessible site wells	--
		Sample GW for STARS List VOCs	Semi-Annual	MW-01, MW-06, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-18, MW-19, MW-20, RXMW-01S/D, RXMW-02, RXMW-03, RXMW-04D, RXMW-05S/D, RXMW-06, RXMW-07, RXMW-08S/D, RXMW-09S/D and RXMW-11 (Count = 29)	Full list VOCs: STARS list VOCs, Naphthalene, MTBE and USEPA TCL list VOCs
		Sample Product	As Directed	No routine product sampling scheduled	--
	Maintenance	ORC Socks	Semi-Annual	Install and Maintain ORC Socks in RXMW-05S and MW-19	--
	Reporting	Analytical Data	Semi-Annual	Groundwater STARS & TCL VOCS, MTBE and Naphthalene	--
		Monitoring Program Status	Semi-Annual	All data.	--
		Closure	Upon NYSDEC Approval	--	--

Note: Proposed changes to current schedule are highlighted in **Bold**.

TABLE 2
PROPOSED WELL MANAGEMENT DURING DEMOLITION
DOS - QUEENS EAST 11A
134-25 35TH STREET, QUEENS, NEW YORK

Well ID	Proposed Action
MW-01	Interior well - Abandon prior to demolition
MW-02	Covered by existing floor slab - presumed destroyed
MW-03	Covered by existing floor slab - presumed destroyed
MW-04	Covered by existing floor slab - presumed destroyed
MW-05	Covered by existing floor slab - previously reported destroyed
MW-06	Continue Monitoring*
MW-07	Adjacent to foundation - Abandon prior to demolition
MW-08	Continue Monitoring*
MW-09	Adjacent to foundation - Abandon prior to demolition
MW-10	Abandon prior to demolition - Monitor this portion of Site with MW-08
MW-11	Continue Monitoring*
MW-12	Abandon prior to demolition - Monitor with MW-06
MW-13	Continue Monitoring
MW-14	Continue Monitoring
MW-15	Abandon prior to demolition - Clean well not needed
MW-17	Continue Monitoring*
MW-18	Continue Monitoring
MW-19	Interior well - Abandon prior to demolition
MW-20	Interior well - Abandon prior to demolition
RW-1	System Removed - Abandon prior to demolition
RXMW-01D	Abandon prior to demolition - Clean well not needed
RXMW-01S	Continue Monitoring
RXMW-02	Continue Monitoring
RXMW-03	Continue Monitoring
RXMW-04D	Abandon prior to demolition - Monitor this portion of Site with MW-11
RXMW-05D	Interior well - Abandon prior to demolition
RXMW-05S	Interior well - Abandon prior to demolition
RXMW-06	Continue Monitoring*
RXMW-07	Interior well - Abandon prior to demolition
RXMW-08D	Continue Monitoring*
RXMW-08S	Continue Monitoring*
RXMW-09D	Abandon prior to demolition - Monitor this portion of Site with MW-18/RXMW-11
RXMW-09S	Abandon prior to demolition - Monitor this portion of Site with MW-18/RXMW-11
RXMW-11	Continue Monitoring

* Access to monitoring maybe blocked intermittently due to construction activities.

TABLE 3
GROUNDWATER LEVEL MEASUREMENTS
APRIL 9, 2012
DOS - QUEENS EAST 11A
134-31 35th AVENUE, QUEENS, NY

Well Designation	Date Measured	Measuring Point Elevation*	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Corrected Elevation	Comments
RW-01	4/9/2012	NA	-	NM	-	NA	
MW-01	4/9/2012	34.31	-	28.15	-	6.16	
MW-06	4/9/2012	28.96	-	23.16	-	5.80	
MW-07	4/9/2012	30.75	-	24.95	-	5.80	
MW-08	4/9/2012	31.89	-	26.02	-	5.87	
MW-10	4/9/2012	32.08	-	26.25	-	5.83	
MW-11	4/9/2012	33.75	-	27.55	-	6.20	
MW-12	4/9/2012	31.11	-	25.11	-	6.00	
MW-13	4/9/2012	24.29	-	19.81	-	4.48	
MW-14	4/9/2012	16.55	-	13.35	-	3.20	
MW-15	4/9/2012	34.04	-	27.87	-	6.17	
MW-17	4/9/2012	33.75	-	27.55	-	6.20	
MW-18	4/9/2012	32.73	-	26.56	-	6.17	
MW-19	4/9/2012	33.03	-	27.00	-	6.03	
MW-20	4/9/2012	32.89	-	26.88	-	6.01	
RXMW-01D	4/9/2012	34.14	-	27.81	-	6.33	
RXMW-01S	4/9/2012	34.27	-	27.99	-	6.28	
RXMW-02	4/9/2012	33.66	-	27.34	-	6.32	
RXMW-03	4/9/2012	32.35	-	26.04	-	6.31	
RXMW-04D	4/9/2012	33.45	-	27.28	-	6.17	
RXMW-05D	4/9/2012	34.22	-	28.07	-	6.15	
RXMW-05S	4/9/2012	33.97	-	27.89	-	6.08	
RXMW-06	4/9/2012	33.94	-	27.78	-	6.16	
RXMW-07	4/9/2012	33.37	-	27.28	-	6.09	
RXMW-08D	4/9/2012	31.87	-	25.90	-	5.97	
RXMW-08S	4/9/2012	32.37	-	26.28	-	6.09	
RXMW-09D	4/9/2012	31.34	-	25.43	-	5.91	
RXMW-09S	4/9/2012	31.03	-	24.96	-	6.07	
RXMW-11	4/9/2012	28.13	-	22.37	-	5.76	
MW-02	4/9/2012	NA	-	NM	-	NA	Access not obtained.
MW-03	4/9/2012	NA	-	NM	-	NA	Access not obtained.
MW-04	4/9/2012	NA	-	NM	-	NA	Access not obtained.
MW-05	4/9/2012	NA	-	NM	-	NA	Access not obtained.
MW-09	4/9/2012	NA	-	25.98	-	NA	Access not obtained.

NA - Not Available
NM - Not Measured
* WELL ELEVATION DATA FROM SITE SURVEY CONDUCTED BY CME ASSOCIATES ON FEB 24, 2011.

Notes:
1. All depths are presented in feet
2. Groundwater elevations are presented in feet as referenced to mean sea level.

TABLE 4
GROUNDWATER LEVEL MEASUREMENTS
JULY 26, 2012
DOS - QUEENS EAST 11A
134-31 35th AVENUE, QUEENS, NY

Well Designation	Date Measured	Measuring Point Elevation*	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Corrected Elevation	Comments
MW-01	7/26/2012	34.31	-	27.85	-	6.46	
MW-06	7/26/2012	28.96	-	NM	-	NA	
MW-07	7/26/2012	30.75	-	NM	-	NA	
MW-08	7/26/2012	31.89	-	NM	-	NA	
MW-10	7/26/2012	32.08	-	NM	-	NA	
MW-11	7/26/2012	33.75	-	NM	-	NA	
MW-12	7/26/2012	31.11	-	NM	-	NA	
MW-13	7/26/2012	24.29	-	NM	-	NA	
MW-14	7/26/2012	16.55	-	NM	-	NA	
MW-15	7/26/2012	34.04	-	NM	-	NA	
MW-17	7/26/2012	33.75	-	27.28	-	6.47	
MW-18	7/26/2012	32.73	-	NM	-	NA	
MW-19	7/26/2012	33.03	-	NM	-	NA	
MW-20	7/26/2012	32.89	-	NM	-	NA	
RXMW-01D	7/26/2012	34.14	-	NM	-	NA	
RXMW-01S	7/26/2012	34.27	-	NM	-	NA	
RXMW-02	7/26/2012	33.66	-	NM	-	NA	
RXMW-03	7/26/2012	32.35	-	NM	-	NA	
RXMW-04D	7/26/2012	33.45	-	NM	-	NA	
RXMW-05D	7/26/2012	34.22	-	37.80	-	-3.58	
RXMW-05S	7/26/2012	33.97	-	26.00	-	7.97	
RXMW-06	7/26/2012	33.94	-	NM	-	NA	
RXMW-07	7/26/2012	33.37	-	28.65	-	4.72	
RXMW-08D	7/26/2012	31.87	-	NM	-	NA	
RXMW-08S	7/26/2012	32.37	-	NM	-	NA	
RXMW-09D	7/26/2012	31.34	-	NM	-	NA	
RXMW-09S	7/26/2012	31.03	-	NM	-	NA	
RXMW-11	7/26/2012	28.13	-	NM	-	NA	
RW-01	NA	NA	-	NM	-	NA	Access not obtained.
MW-02	NA	NA	-	NM	-	NA	Access not obtained.
MW-03	NA	NA	-	NM	-	NA	Access not obtained.
MW-04	NA	NA	-	NM	-	NA	Access not obtained.
MW-05	NA	NA	-	NM	-	NA	Access not obtained.
MW-09	NA	NA	-	25.98	-	NA	Access not obtained.

NA - Not Available
NM - Not Measured
* WELL ELEVATION DATA FROM SITE SURVEY CONDUCTED BY CME ASSOCIATES ON FEB 24, 2011.

Notes:
1. All depths are presented in feet
2. Groundwater elevations are presented in feet as referenced to mean sea level.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	MW-01		MW-06		MW-07		MW-08		MW-09	
Sample Designation		Q11A-MW01/SB-17-GW		Q11A-MW06-GW		Q11A-MW07-GW		Q11A-MW08-GW		Q11A-MW09-GW	
Date Sampled		4/10/2012		4/10/2012		4/10/2012		4/10/2012		4/10/2012	
Compound		Water		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List											
Benzene	1	<5		<5		<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5		<5		<5	
sec-Butylbenzene	5	<5		<5		2	J	<5		<5	
tert-Butylbenzene	5	<5		<5		<5		<5		<5	
Ethylbenzene	5	<5		<5		<5		<5		<5	
Isopropylbenzene	5	<5		<5		<5		<5		<5	
p-Isopropyltoluene	5	<5		1.4	J	<5		<5		<5	
Methyl-tert-butyl ether	10	<5		<5		<5		<5		<5	
Naphthalene	10	<10		1.5	J, B	1.3	J, B	<10		<10	
n-Propylbenzene	5	<5		<5		<5		<5		<5	
Toluene	5	<5		37		<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5		<5		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5		<5		<5	
o-Xylene	5	<5		<5		<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10		<10		<10	
Total STARS VOCs	N/A	ND		90		3		ND		ND	
CVOCs											
1,1,1-Trichloroethane	5	<5		<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<5		<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<5		<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<5		<5		<5		<5		<5	
1,1-Dichloroethane	5	<5		<5		<5		<5		<5	
1,1-Dichloroethylene	5	<5		<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<10		<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<10		<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<5		<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<5		<5		<5		<5		<5	
1,2-Dichloropropane	1	<5		<5		<5		<5		<5	
2-Butanone	50	<10		8	J	<10		<10		<10	
2-Hexanone	50	<5		<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<10		<10		<10		<10		<10	
Acetone	50	4.2	J, B	12	B	4.8	J, B	5.9	J, B	5.8	J, B
Bromodichloromethane	50	<5		<5		<5		<5		<5	
Bromoform	50	<5		<5		<5		<5		<5	
Bromomethane	5	<5		<5		<5		<5		<5	
Carbon disulfide	60	<5		<5		<5		<5		<5	
Carbon tetrachloride	5	<5		<5		<5		<5		<5	
Chlorobenzene	5	<5		<5		<5		<5		<5	
Chloroethane	5	<5		<5		<5		<5		<5	
Chloroform	7	<5		<5		<5		<5		<5	
Chloromethane	5	<5		<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	69		1.2	J	<5		<5		4.3	J
cis-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Dibromochloromethane	50	<5		<5		<5		<5		<5	
Dichlorodifluoromethane	5	<5		<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	3.5	J, B	6.2	J, B	4.7	J, B	4.5	J, B	4.6	J, B
Styrene	5	<5		<5		<5		<5		<5	
Tetrachloroethylene	5	140		3.7	J	<5		<5		7.7	
trans-1,2-Dichloroethylene	5	1.6	J	<5		1.9	J	<5		<5	
trans-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Trichloroethylene	5	68		2.1	J	<5		<5		4.6	J
Trichlorofluoromethane	5	<5		<5		<5		<5		<5	
Vinyl Chloride	2	<5		1.5	J	<5		<5		<5	
Total CVOCs	N/A	286		35		11		10		27	
Total CVOCs w/o DCM & Acetone	N/A	278		17		2		ND		17	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	MW-10		MW-11		MW-12		MW-13		MW-14	
Sample Designation		Q11A-MW10-GW		Q11A-MW11-GW		Q11A-MW12-GW		Q11A-MW13-GW		Q11A-MW14-GW	
Date Sampled		4/10/2012		4/9/2012		4/10/2012		4/11/2012		4/11/2012	
Compound		Water		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List											
Benzene	1	<5		<5		<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5		<5		<5	
sec-Butylbenzene	5	<5		<5		<5		2.1	J	<5	
tert-Butylbenzene	5	<5		<5		<5		0.86	J	<5	
Ethylbenzene	5	<5		<5		<5		<5		<5	
Isopropylbenzene	5	<5		<5		<5		0.81	J	<5	
p-Isopropyltoluene	5	<5		<5		<5		<5		<5	
Methyl-tert-butyl ether	10	<5		<5		<5		4.9	J	<5	
Naphthalene	10	<10		<10		<10		0.81	J	<10	
n-Propylbenzene	5	<5		<5		<5		<5		<5	
Toluene	5	<5		<5		<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5		2.9		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5		<5		<5	
o-Xylene	5	<5		<5		<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10		<10		<10	
Total STARS VOCs	N/A	ND		ND		ND		12		ND	
CVOCs											
1,1,1-Trichloroethane	5	<5		<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<5		<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<5		<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<5		<5		<5		<5		<5	
1,1-Dichloroethane	5	<5		<5		<5		<5		<5	
1,1-Dichloroethylene	5	<5		<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<10		<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<10		<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<5		<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<5		<5		<5		<5		<5	
1,2-Dichloropropane	1	<5		<5		<5		<5		<5	
2-Butanone	50	<10		<10		<10		<10		<10	
2-Hexanone	50	<5		<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<10		<10		<10		<10		<10	
Acetone	50	5.4	J,B	<10		<10		<10		<10	
Bromodichloromethane	50	<5		<5		<5		<5		<5	
Bromoform	50	<5		<5		<5		<5		<5	
Bromomethane	5	<5		<5		<5		<5		<5	
Carbon disulfide	60	<5		<5		<5		<5		<5	
Carbon tetrachloride	5	<5		<5		<5		<5		<5	
Chlorobenzene	5	<5		<5		<5		<5		<5	
Chloroethane	5	<5		<5		<5		<5		<5	
Chloroform	7	<5		<5		<5		4.5	J	<5	
Chloromethane	5	<5		<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	1.1	J	2.6	J	2.2	J	4.9	J	<5	
cis-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Dibromochloromethane	50	<5		<5		<5		<5		<5	
Dichlorodifluoromethane	5	<5		<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	5.8	J,B	3.9	J,B	4.1	J,B	4.1	J,B	4.3	J,B
Styrene	5	<5		<5		<5		<5		<5	
Tetrachloroethylene	5	<5		7.5		9.5		<5		<5	
trans-1,2-Dichloroethylene	5	<5		<5		<5		3.6	J	<5	
trans-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Trichloroethylene	5	<5		3	J	1.4	J	<5		<5	
Trichlorofluoromethane	5	<5		<5		<5		<5		<5	
Vinyl Chloride	2	<5		<5		<5		<5		<5	
Total CVOCs	N/A	12		17		17		17		4	
Total CVOCs w/o DCM & Acetone	N/A	1		13		13		13		0	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	MW-15		MW-17		MW-18		MW-19		MW-20	
Sample Designation		Q11A-MW15-GW		Q11A-MW17-GW		Q11A-MW18-GW		Q11A-MW19-GW		Q11A-MW20-GW	
Date Sampled		4/9/2012		4/10/2012		4/11/2012		4/10/2012		4/10/2012	
Compound		Water		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List											
Benzene	1	<5		<5		<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5		<5		<5	
sec-Butylbenzene	5	<5		<5		1.8	J	3.7	J	<5	
tert-Butylbenzene	5	<5		<5		<5		<5		<5	
Ethylbenzene	5	<5		<5		<5		<5		<5	
Isopropylbenzene	5	<5		<5		<5		<5		<5	
p-Isopropyltoluene	5	<5		<5		<5		3	J	<5	
Methyl-tert-butyl ether	10	<5		<5		<5		<5		<5	
Naphthalene	10	<10		<10		<10		<10		<10	
n-Propylbenzene	5	<5		<5		<5		<5		<5	
Toluene	5	<5		<5		<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5		<5		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5		<5		<5	
o-Xylene	5	<5		<5		<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10		<10		<10	
Total STARS VOCs	N/A	ND		ND		2		7		ND	
CVOCs											
1,1,1-Trichloroethane	5	<5		<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<5		<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<5		<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<5		<5		<5		<5		<5	
1,1-Dichloroethane	5	<5		<5		<5		<5		<5	
1,1-Dichloroethylene	5	<5		<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<10		<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<10		<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<5		<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<5		<5		<5		<5		<5	
1,2-Dichloropropane	1	<5		<5		<5		<5		<5	
2-Butanone	50	<10		<10		<10		<10		<10	
2-Hexanone	50	<5		<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<10		<10		<10		<10		<10	
Acetone	50	<10		<10		<10		6.8	J,B	<10	
Bromodichloromethane	50	<5		<5		<5		<5		<5	
Bromoform	50	<5		<5		<5		<5		<5	
Bromomethane	5	<5		<5		<5		<5		<5	
Carbon disulfide	60	<5		<5		<5		<5		<5	
Carbon tetrachloride	5	<5		<5		<5		<5		<5	
Chlorobenzene	5	<5		<5		<5		<5		<5	
Chloroethane	5	<5		<5		<5		<5		<5	
Chloroform	7	<5		<5		<5		<5		<5	
Chloromethane	5	<5		<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	<5		21		5.3		1.4	J	<5	
cis-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Dibromochloromethane	50	<5		<5		<5		<5		<5	
Dichlorodifluoromethane	5	<5		<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	3.5	J,B	2.7	J,B	3.2	J,B	4.6	J,B	4.2	J,B
Styrene	5	<5		<5		<5		<5		<5	
Tetrachloroethylene	5	<5		120		4	J	1.6	J	1.2	J
trans-1,2-Dichloroethylene	5	<5		<5		<5		<5		<5	
trans-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Trichloroethylene	5	<5		25		0.98	J	<5		<5	
Trichlorofluoromethane	5	<5		<5		<5		<5		<5	
Vinyl Chloride	2	<5		<5		1	J	<5		<5	
Total CVOCs	N/A	4		169		14		14		5	
Total CVOCs w/o DCM & Acetone	N/A	1		166		11		3		1	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	RXMW-01S		RXMW-01D		RXMW-02		RXMW-03		RXMW-04D	
Sample Designation		Q11A-RXMW1S-GW		Q11A-RXMW1D-GW		Q11A-RXMW02-GW		Q11A-RXMW03-GW		Q11A-RXMW04D-GW	
Date Sampled		4/9/2012		4/9/2012		4/9/2012		4/11/2012		4/9/2012	
Compound		Water		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List											
Benzene	1	<5		<5		<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5		<5		<5	
sec-Butylbenzene	5	<5		<5		<5		<5		<5	
tert-Butylbenzene	5	<5		<5		<5		<5		<5	
Ethylbenzene	5	<5		<5		<5		<5		<5	
Isopropylbenzene	5	<5		<5		<5		<5		<5	
p-Isopropyltoluene	5	<5		<5		<5		<5		<5	
Methyl-tert-butyl ether	10	<5		<5		<5		<5		<5	
Naphthalene	10	<10		<10		<10		37		<10	
n-Propylbenzene	5	<5		<5		<5		<5		<5	
Toluene	5	<5		<5		<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5		<5		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5		<5		<5	
o-Xylene	5	<5		<5		<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10		<10		<10	
Total STARS VOCs	N/A	ND		ND		ND		37		ND	
CVOCs											
1,1,1-Trichloroethane	5	<5		<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<5		<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<5		<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<5		<5		<5		<5		<5	
1,1-Dichloroethane	5	<5		<5		<5		<5		<5	
1,1-Dichloroethylene	5	<5		<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<10		<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<10		<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<5		<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<5		<5		<5		<5		<5	
1,2-Dichloropropane	1	<5		<5		<5		<5		<5	
2-Butanone	50	<10		<10		<10		<10		<10	
2-Hexanone	50	<5		<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<10		<10		<10		<10		<10	
Acetone	50	<10		<10		<10		<10		<10	
Bromodichloromethane	50	<5		<5		<5		<5		<5	
Bromoform	50	<5		<5		<5		<5		<5	
Bromomethane	5	<5		<5		<5		<5		<5	
Carbon disulfide	60	<5		<5		<5		<5		<5	
Carbon tetrachloride	5	<5		<5		<5		<5		<5	
Chlorobenzene	5	<5		<5		<5		<5		<5	
Chloroethane	5	<5		<5		<5		<5		<5	
Chloroform	7	<5		<5		<5		<5		<5	
Chloromethane	5	<5		<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	<5		<5		18		<5		<5	
cis-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Dibromochloromethane	50	<5		<5		<5		<5		<5	
Dichlorodifluoromethane	5	<5		<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	3.6	J, B	2.8	J, B	3	J, B	4.5	J, B	4.8	J, B
Styrene	5	<5		<5		<5		<5		<5	
Tetrachloroethylene	5	<5		<5		130		<5		0.92	J
trans-1,2-Dichloroethylene	5	<5		<5		<5		<5		<5	
trans-1,3-Dichloropropylene	0.4	<5		<5		<5		<5		<5	
Trichloroethylene	5	<5		<5		24		<5		<5	
Trichlorofluoromethane	5	<5		<5		<5		<5		<5	
Vinyl Chloride	2	<5		<5		<5		<5		<5	
Total CVOCs	N/A	4		3		175		5		6	
Total CVOCs w/o DCM & Acetone	N/A	ND		ND		172		1		1	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	RXMW-05S		RXMW-05D		RXMW-06		RXMW-07		RXMW-08S	
Sample Designation		Q11A-RXMW05S-GW		Q11A-RXMW05D-GW		Q11A-RXMW06-GW		Q11A-RXMW07-GW		Q11A-RXMW08S-GW	
Date Sampled		4/10/2012		4/10/2012		4/11/2012		4/10/2012		4/11/2012	
Compound		Water		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List											
Benzene	1	<50		<5		<5		<5		<5	
n-Butylbenzene	5	19	J	<5		<5		<5		<5	
sec-Butylbenzene	5	<50		<5		<5		<5		<5	
tert-Butylbenzene	5	<50		<5		<5		<5		<5	
Ethylbenzene	5	<50		<5		<5		<5		<5	
Isopropylbenzene	5	20	J	<5		<5		<5		<5	
p-Isopropyltoluene	5	<50		<5		<5		<5		<5	
Methyl-tert-butyl ether	10	<50		<5		<5		<5		<5	
Naphthalene	10	16	J	<10		5.9	J	<10		2.3	J
n-Propylbenzene	5	68		<5		<5		<5		<5	
Toluene	5	<50		<5		<5		<5		<5	
1,2,4-Trimethylbenzene	5	380		<5		<5		<5		<5	
1,3,5-Trimethylbenzene	5	70		<5		<5		<5		<5	
o-Xylene	5	<50		<5		<5		<5		<5	
p- & m- Xylenes	5	<100		<10		<10		<10		<10	
Total STARS VOCs	N/A	573		ND		6		ND		2	
CVOCs											
1,1,1-Trichloroethane	5	<50		<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<50		<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<50		<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<50		<5		<5		<5		<5	
1,1-Dichloroethane	5	<50		<5		<5		<5		<5	
1,1-Dichloroethylene	5	<50		<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<100		<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<100		<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<50		<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<50		<5		<5		<5		<5	
1,2-Dichloropropane	1	<50		<5		<5		<5		<5	
2-Butanone	50	<100		<10		<10		<10		<10	
2-Hexanone	50	<50		<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<100		<10		<10		<10		<10	
Acetone	50	27	J-Dil	5.5	J,B	<10		<10		<10	
Bromodichloromethane	50	<50		<5		<5		<5		<5	
Bromoform	50	<50		<5		<5		<5		<5	
Bromomethane	5	<50		<5		<5		<5		<5	
Carbon disulfide	60	<50		<5		<5		<5		<5	
Carbon tetrachloride	5	<50		<5		<5		<5		<5	
Chlorobenzene	5	<50		<5		<5		<5		<5	
Chloroethane	5	<50		<5		<5		<5		<5	
Chloroform	7	9.1	J	<5		<5		<5		<5	
Chloromethane	5	<50		<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	29	J	<5		1.2	J	11		3.2	J
cis-1,3-Dichloropropylene	0.4	<50		<5		<5		<5		<5	
Dibromochloromethane	50	<50		<5		<5		<5		<5	
Dichlorodifluoromethane	5	<50		<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	3.8	Dil.	2.8	J,B	4	J,B	2.9	J,B	4.1	J,B
Styrene	5	<50		<5		<5		<5		<5	
Tetrachloroethylene	5	140		7.7		16		48		9.2	
trans-1,2-Dichloroethylene	5	<50		<5		<5		<5		<5	
trans-1,3-Dichloropropylene	0.4	<50		<5		<5		<5		<5	
Trichloroethylene	5	72		<5		1.4	J	12		3.8	J
Trichlorofluoromethane	5	<50		<5		<5		<5		<5	
Vinyl Chloride	2	<50		<5		<5		<5		<5	
Total CVOCs	N/A	281		16		23		74		20	
Total CVOCs w/o DCM & Acetone	N/A	250		8		19		71		16	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 5
GROUNDWATER SAMPLING RESULTS
APRIL 2012
DOS - QUEENS EAST 11A
134-35 35TH STREET, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	RXMW-08D		RXMW-09S		RXMW-09D		RXMW-11	
Sample Designation		Q11A-RXMW08D-GW		Q11A-RXMW09S-GW		Q11A-RXMW09D-GW		Q11A-RXMW11-GW	
Date Sampled		4/11/2012		4/11/2012		4/11/2012		4/10/2012	
Compound		Water		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L		µg/L	
VOCs, STARS List									
Benzene	1	<5		<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5		<5	
sec-Butylbenzene	5	<5		0.8	J	<5		<5	
tert-Butylbenzene	5	<5		<5		<5		<5	
Ethylbenzene	5	<5		<5		<5		<5	
Isopropylbenzene	5	<5		1.1	J	<5		<5	
p-Isopropyltoluene	5	<5		<5		<5		<5	
Methyl-tert-butyl ether	10	<5		<5		<5		<5	
Naphthalene	10	1.4	J	1	J	0.82	J	<10	
n-Propylbenzene	5	<5		<5		<5		<5	
Toluene	5	<5		<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5		<5	
o-Xylene	5	<5		<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10		<10	
Total STARS VOCs	N/A	1		3		1		ND	
CVOCs									
1,1,1-Trichloroethane	5	<5		<5		<5		<5	
1,1,2,2-Tetrachloroethane	5	<5		<5		<5		<5	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<5		<5		<5		<5	
1,1,2-Trichloroethane	1	<5		<5		<5		<5	
1,1-Dichloroethane	5	<5		<5		<5		<5	
1,1-Dichloroethylene	5	<5		<5		<5		<5	
1,2,4-Trichlorobenzene	5	<10		<10		<10		<10	
1,2-Dibromo-3-chloropropane	0.04	<10		<10		<10		<10	
1,2-Dibromoethane	0.006	<5		<5		<5		<5	
1,2-Dichloroethane	0.6	<5		<5		<5		<5	
1,2-Dichloropropane	1	<5		<5		<5		<5	
2-Butanone	50	<10		<10		<10		<10	
2-Hexanone	50	<5		<5		<5		<5	
4-Methyl-2-pentanone	N/A	<10		<10		<10		<10	
Acetone	50	<10		9	J,B	<10		4.8	J,B
Bromodichloromethane	50	<5		<5		<5		<5	
Bromoform	50	<5		<5		<5		<5	
Bromomethane	5	<5		<5		<5		<5	
Carbon disulfide	60	<5		<5		<5		<5	
Carbon tetrachloride	5	<5		<5		<5		<5	
Chlorobenzene	5	<5		<5		<5		<5	
Chloroethane	5	<5		<5		<5		<5	
Chloroform	7	<5		<5		<5		<5	
Chloromethane	5	<5		<5		<5		<5	
cis-1,2-Dichloroethylene	5	2.3	J	28		<5		1.5	J
cis-1,3-Dichloropropylene	0.4	<5		<5		<5		<5	
Dibromochloromethane	50	<5		<5		<5		<5	
Dichlorodifluoromethane	5	<5		<5		<5		<5	
Methylene chloride / Dichloromethane (DCM)	5	4.1	J,B	4.2	J,B	4.6	J,B	3.7	J,B
Styrene	5	<5		<5		<5		<5	
Tetrachloroethylene	5	24		8.7		2.1	J	27	
trans-1,2-Dichloroethylene	5	<5		<5		<5		<5	
trans-1,3-Dichloropropylene	0.4	<5		<5		<5		<5	
Trichloroethylene	5	1.8	J	8.7		<5		1.8	J
Trichlorofluoromethane	5	<5		<5		<5		<5	
Vinyl Chloride	2	<5		1.4	J	<5		<5	
Total CVOCs	N/A	32		59		7		39	
Total CVOCs w/o DCM & Acetone	N/A	28		46		2		31	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 6
GROUNDWATER SAMPLING RESULTS
ISCO POST-INJECTION SAMPLING - JULY 26, 2012
DOS - QUEENS EAST 11A
134-25 35TH AVENUE, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	MW-01		MW-17		RXMW-07	
Sample Designation		Q11A-MW01-GW		Q11A-MW17-GW		Q11A-RXMW07-GW	
Date Sampled		7/26/2012		7/26/2012		7/26/2012	
Compound		Water		Water		Water	
Units	µg/L	µg/L		µg/L		µg/L	
VOCs, STARS List							
Benzene	1	<5		<5		<5	
n-Butylbenzene	5	<5		<5		<5	
sec-Butylbenzene	5	<5		<5		<5	
tert-Butylbenzene	5	<5		<5		<5	
Ethylbenzene	5	<5		<5		<5	
Isopropylbenzene	5	<5		<5		<5	
p-Isopropyltoluene	5	<5		<5		<5	
Methyl-tert-butyl ether	10	<5		<5		<5	
Naphthalene	10	1.3	J, B	<10		<10	
n-Propylbenzene	5	<5		<5		<5	
Toluene	5	<5		<5		<5	
1,2,4-Trimethylbenzene	5	<5		<5		<5	
1,3,5-Trimethylbenzene	5	<5		<5		<5	
o-Xylene	5	<5		<5		<5	
p- & m- Xylenes	5	<10		<10		<10	
Total VOCs	N/A	1		ND		ND	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

TABLE 6
GROUNDWATER SAMPLING RESULTS
ISCO POST-INJECTION SAMPLING - JULY 26, 2012
DOS - QUEENS EAST 11A
134-25 35TH AVENUE, QUEENS, NEW YORK

Sample Location	NYSDEC Standards & Guidance Values	RXMW-05S		RXMW-05D	
Sample Designation		Q11A-RXMW05S-GW		Q11A-RXMW05D-GW	
Date Sampled		7/26/2012		7/26/2012	
Compound		Water		Water	
Units	µg/L	µg/L		µg/L	
VOCs, STARS List					
Benzene	1	<50		<5	
n-Butylbenzene	5	14	J	<5	
sec-Butylbenzene	5	<50		<5	
tert-Butylbenzene	5	66		<5	
Ethylbenzene	5	<50		<5	
Isopropylbenzene	5	23	J	<5	
p-Isopropyltoluene	5	10	J	<5	
Methyl-tert-butyl ether	10	<50		0.82	J
Naphthalene	10	20	J, B	<10	
n-Propylbenzene	5	74		<5	
Toluene	5	<50		<5	
1,2,4-Trimethylbenzene	5	530		<5	
1,3,5-Trimethylbenzene	5	110		<5	
o-Xylene	5	<50		<5	
p- & m- Xylenes	5	<100		<10	
Total VOCs	N/A	847		1	

Note:

1) VOCs analyzed for NYSDEC STARS list by USEPA method SW846 - 8260.

2) Shaded areas indicate that the concentration exceeds the NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards and Guidance Values.

3) < = not detected - below the laboratory's Reporting Limit (RL).

4) µg/Liter = micrograms per liter.

5) J = Detected below the RL but greater than or equal to the Method Detection Limit (MDL); therefore the result is an estimated concentration.

6) N/A = Not Available.

APPENDIX E

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Stephanie O. Davis, PG, CPG

FPM group — Engineering and Environmental Science

Ms. Davis has diversified experience in geology and hydrogeology. Her professional technical experience includes groundwater, soil, and soil vapor investigations, design and management of soil and groundwater remediation projects, design and installation of groundwater containment systems, design and evaluation of soil vapor mitigation systems, groundwater flow modeling, aquifer testing and interpretation, evaluation of site compliance with environmental regulations, environmental permitting, and personnel training. Ms. Davis presently manages several large-scale investigation and remedial programs, including program scopes, budgets, staffing, and schedules.

Functional Role	Title	Years of Experience
Senior Hydrogeologist	**Department Manager - Hydrogeology**	**29**

Personal Data

Education
M.S./1984/Geology/University of Southern California
B.S./1981/Geology/Bucknell University

Registration and Certifications
Certified Professional Geologist #9487, (AIPG) 1995
California Registered Geologist #5192, 1991
Pennsylvania Registered Geologist #PG-000529-G, 1994
OSHA – Approved 40 hour Health and Safety Training Course (1990)
OSHA - Approved 8 hour Health and Safety Training Refresher Courses (1991-Present)
OSHA-Approved 8-hour Site Safety Supervisor Training Course (2008)
National Ground Water Association
Long Island Association of Professional Geologists
USEPA Triad Training for Practitioners

Employment History

1993-Present	FPM Group
1992-1993	Chevron Research and Technology Co.
1990-1992	Chevron Manufacturing Co.
1984-1990	Chevron Exploration, Land, and Production Company

Continuing Education
- Treatment of Contaminated Soil and Rock
- Groundwater Pollution and Hydrology
- Environmental Law and Regulation
- Remedial Engineering
- Soil and Foundation Engineering
- Environmental Geochemistry
- Project Management Professional (PMP) training

Detailed Experience

Site Investigations

- **Program Manager** for ongoing investigation and remedial projects at several New York State Inactive Hazardous Waste Disposal sites, Voluntary Cleanup Program (VCP) sites, and Brownfield Cleanup Program (BCP) sites. Investigations have included site characterization, Remedial Investigations/Feasibility Studies (RI/FS), and Resource Conservation and Recovery Act (RCRA) facility investigations and closures. Remedial services have included contaminated soil removal; ORC and HRC injections; design, installation, and operation of air sparge/soil vapor extraction (AS/SVE) systems and sub-slab depressurization systems (SSDS), capping, and other remedial services.
- **Program Manager, NYS BCP Site, Far Rockaway, NY.** Managed all aspects of pre-application investigation, BCP application, RI Work Plan development, and Citizen Participation Plan (CPP) for a chlorinated solvent site. Responsible for scope development, NYSDEC and NYSDOH coordination, budget, schedule, staffing, and report management.
- **Program Manager, Site Characterization (SC) for NYS Inactive Hazardous Waste Disposal Site, Flushing, NY.** Responsible for SC scope development, budget, schedule, SC Work Plan and report review, staffing, and agency negotiations for a chlorinated solvent site undergoing residential redevelopment.
- **Program Manager** for all Phase I ESA, Phase II investigations, and remediation projects for a major commercial developer on Long Island, New York. Projects have included environmental services associated for the purchase and redevelopment of office buildings, aerospace facilities, former research and development facilities, and large manufacturing plants. Remedial services have included RCRA closures, UIC closures, tank removals, and BCP projects.

- **Program Manager, Remedial Investigation/ Feasibility Study (RI/FS), Levittown, NY.** Managed all aspects of RI/FS for a Class 2 Inactive Hazardous Waste Disposal (Superfund) site involving chlorinated solvents. Responsibilities included RI/FS scope, budget and schedule development, RI/FS work plan, HASP, CAMP, and QAPP, coordination with client, tenants, and regulatory agencies, report review, remedial approach development, and conceptual design.
- **Project Manager, RCRA Facilities Investigation (RFI), Barksdale AFB, LA, AFCEE**. Responsible for all aspects of field program planning, solicitation and selection of subcontractors, mobilization and establishment of a field office, supervising multiple field crews, installation and sampling of monitoring wells, collection and soil samples, data tracking and management and preparation of an RFI report. The scope of work included characterization of the nature and extent of groundwater and soil contamination at thirteen Solid Waste Management Units (SWMUs), performing a base-wide evaluation of background contaminant concentrations, and developing a long-term monitoring (LTM) program for the base.
- **Field Services Manager, UST Investigation, Plattsburgh AFB, NY, AFCEE**. Responsible for field crew training, coordination of sampling crews at multiple sites, sample labeling, handling, tracking, and shipping, field data management and remote field office management. The scope of work included collection of over 450 groundwater samples to characterize groundwater conditions in the vicinity of 150 USTs using a Geoprobe sampling rig, well points, and rapid turnaround-time analysis.
- **Project Manager** for site investigation activities, including soil vapor sampling, soil sampling and analysis, groundwater sampling and analysis, and geotechnical evaluation for numerous sites in Suffolk County, New York. The resulting data were utilized by a major supermarket company in the negotiations for the purchase of the properties and in the property remediation prior to development.
- **Project Manager, Site Investigation, Bronx, NY, NYCT.** Managed field sampling and data analysis activities, including soil vapor analysis, soil sample analysis, and groundwater sampling and analysis at an active commercial bus terminal. Made recommendations for site remediation, including UST removal, soil excavation and disposal, and free-phase product extraction.
- **Project Manager, RCRA Facilities Investigation, City of Richmond, CA**. Prepared RFI work plan, incorporating existing geologic, chemical, and historical data, evaluating newly-acquired site data, and developing recommendations for further investigation and remedial action at a former municipal landfill.
- **Project Manager, Site Investigation, Bay Shore, NY**. **Manufacturing facility.** Managed onsite and offsite soil and groundwater sampling program. Compiled and evaluated data and prepared a comprehensive report of the investigation results for the Suffolk County Department of Health Services (SCDHS) and NYS Department of Environmental Conservation (NYSDEC). Proposed remediation technologies for onsite soil contamination and onsite and offsite groundwater contamination.
- **Project Manager, Site Investigation, Newark Airport, NJ, FAA.** Managed and conducted a soil and groundwater sampling program adjacent to Runway 29. Analyzed chemical analytical data and developed recommendations.
- **Project Manager, Remedial Investigation, Richmond Refinery, CA.** Supervised and conducted drilling, soil sampling, cone penetrometer testing, and well installation at a refinery process water effluent treatment system and former municipal landfill.
- **Senior Hydrogeologist, multiple sites, NY metro area**. Supervised drilling, installation, development, and sampling of monitoring wells at numerous sites in the greater New York metro area. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions.
- **Program Manager, multiple sites, major New York Metro area automobile dealer.** Managed all investigation and remedial activities for a major automobile retailer with multiple facilities. Sites included tanks, petroleum spills, underground injection control (UIC) systems, soil vapor intrusion issues, and hazardous waste management. Responsible for work scope and budget preparation, staffing and oversight, client and regulatory agency interactions, addressing insurance issues, reporting and certification, and project closeouts.
- **Program Manager, SWTP groundwater monitoring program, Town of East Hampton.** Managed groundwater sampling and reporting for the Scavenger Waste Treatment Plant (SWTP). Responsibilities included oversight of well installation, purging and sampling the SWTP groundwater monitoring wells, and providing data to the Town for reporting purposes.

Remediation

- **Program Manager, NYSDEC BCP site, NY City, major real estate developer.** In responsible charge of all investigation and remedial activities at a NYSDEC BCP site in New York City. Prepared the Remedial Investigation and Remedial Work Plan; coordinated with the owner, other contractors, and the NYSDEC; prepared for and conducted citizen participation activities; supervised all waste characterization, profile preparation, and waste management; developed the Final Engineering Report (FER) and Site Management Plan (SMP) for NYSDEC approval; and ensured that all remedial requirements were met such that the Certificate of Completion (COC) was issued. Continuing activities include coordination of the ongoing site management, communications with the NYSDEC and NYSDOH, and preparation of the annual Certification Report.
- **Program Manager, Major Oil Storage Facility (MOSF) closure, Glen Harbor, NY. Real estate developer.** Responsibilities included coordination of the work scope with the NYSDEC and NCDOH, development of work plans for tanks, UIC, and petroleum spill closure, budget and schedule development, staffing and oversight, reporting and certification, and closeout of all environmental issues such that residential redevelopment could proceed.
- **Program Manager, Delineation and Remedial Services, NYS Spill Site, St. James, NY.** Responsible for client and agency coordination, budget, schedule, staffing, remedial design and reporting for a petroleum release at a Service Station property with offsite impacts.
- **Program Manager, RCRA Closure Site, Freeport, NY.** Managed all aspects of RCRA Closure of a former printing facility, including scope, budget and schedule development, Closure Plan, NYSDEC interactions, QAPP, and specifications for contractor services.
- **Program Manager, Sub-slab depressurization system (SSDS), Brooklyn, NY.** Managed all aspects of SSDS implementation, including delineation sampling, remedial design, budget and schedule, construction services testing, reporting, and O&M manual development for a former dry cleaner site in an active shopping center.
- **Program Manager, SSDS, Bronx, NY.** Responsible for all aspects of SSDS implementation for a former dry cleaner site in a mixed-use building, including delineation sampling, SSDS design, construction contractor services, testing, reporting, and O&M manual development.
- **Project Manager, Soil Remediation, Hauppauge, NY. Metal plating facility**. Planned remedial project and managed contractor support for soil remediation. Project was completed and approved by SCDHS.
- **Remedial Design, AS/SVE projects**. Developed pilot test plans, evaluated pilot test results, and prepared conceptual designs for several air sparge/soil vapor extraction (AS/SVE) systems to treat petroleum and/or chlorinated solvent VOCs. These systems were subsequently installed and Ms. Davis provides ongoing review of system operations and remedial monitoring results.
- **Program Manager, Waste soil management, Brooklyn, NY. Travelers Insurance**. In responsible charge of several task orders for waste characterization of a 90,000-cy construction soil stockpile at a municipal sewer facility. Responsibilities included development and implementation of Sampling and Analysis Plans (SAP), coordination of staffing, review of lab data, preparation of Field Sampling Summary Reports (FSSR), coordination with disposal facilities, and preparation of waste profiles.
- **Program Manager, NYS Inactive Hazardous Waste Disposal (Superfund) site, Hicksville, NY. Property owner**. Responsibilities included developing and implementing pre-demolition investigations, developing and implementing remedial actions (source removal) in conjunction with retail redevelopment, conceptual design and installation of sub-slab depressurization systems (SSDSs),maintaining ongoing OM&M programs.
- **Project Manager, Remedial projects, Patchogue, NY. US Tape**. Designed and performed indoor underground storage tank abandonment program, leaching pool remediation plan, and managed contractor support for closure activities at a manufacturing facility. SCDHS provided oversight and approval.
- **Senior Hydrogeologist, Remedial design for a landfill, Richmond, CA**. Contributed to the design of a groundwater containment and remediation system for a former municipal landfill, including subsurface groundwater barrier walls and extraction wells.
- **Project Manager, Soil remediation, Carle Place, NY, Kimco**. Designed remedial plan and supervised soil remediation activities at an active construction site involving excavation and disposal of 5,000 tons of PCB-, metal-, and petroleum-contaminated soil. NYSDEC oversaw and approved the completed remediation.

- **Project Manager, Groundwater containment system, Richmond, CA**. Coordinated technical aspects of groundwater barrier wall construction, including routing, permitting, design, material selection, and field activities.
- **Project Manager, Multiple UIC investigations and closures, Suffolk and Nassau Counties, NY** Responsible for investigation and remediation of contaminated cesspool and stormwater drain pool in systems. Fully conversant with SCDHS SOP 9-95 and USEPA UIC regulations for investigation and cleanup of leaching pool systems, including Action Levels and Cleanup Standards, groundwater monitoring criteria, and remedial requirements.
- **Project Coordinator, UIC Closure, Hempstead, NY.** Coordinated and supervised all aspects of waste management for a UIC closure, including disposal facility review, waste sampling and classification, manifesting, project closeout, and taxation issues.

Hydrogeologic Evaluations

- **Project Manager, well permitting, East Hampton, NY. Private client**. Prepared Engineer's Report for Long Island Well Permit for a 230-gpm irrigation supply well. Responsible for evaluation of well interference, salt water upcoming, impacts from contaminants, and other factors affecting the proposed well. Performed well design (gravel pack size, screen size, etc.) for numerous groundwater wells on Long Island. Familiar with sieve analyses, well construction and development methods.
- **Senior Hydrogeologist, groundwater modeling, East Hampton,** NY. Utilized Visual Modflow to evaluate the impact of a contaminant plume on a proposed SCWA wellfield. Model development included evaluation of recharge, aquifer properties, subsurface stratigraphy, boundary conditions, plume source and concentration, and various wellfield locations and pumping rates.
- **Hydrogeologist, aquifer testing, Manhattan, NY. NYCT.** Participated in a multi-day, multi-well aquifer pumping test for NYCT. Responsible for operating and maintaining data logging equipment, coordinating manual water level measurements, and analyzing resulting drawdown data.
- **Hydrogeologist, aquifer evaluation, Brooklyn, NY. NYCT.** Evaluated subsurface geologic conditions for subway site utilizing existing boring logs, topographic, and historic map data.
- **Hydrogeologist, aquifer testing, Queens, NY. NYCT**. Performed slug tests on monitoring wells at an East Side Access site, and evaluated hydrologic properties using the HYDROLOGIC ISOAQX computer program.
- **Hydrogeologist, remedial wells, Deer Park, NY**. **USEPA.** Supervised drilling, installation and development of groundwater extraction, injection, and monitoring wells at a Superfund site. Interpreted aquifer and well performance from development data and recommended modification of drilling and development procedures.
- **Hydrogeologist, aquifer testing, NYC, NYCT**. Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.
- **Hydrogeologist, aquifer evaluation, Mattituck Airport, Mattituck, NY**. Performed water level and water quality monitoring at a NYSDEC Superfund site. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration.
- **Senior Hydrogeologist, DEIS services, Lazy Point, NY. Town of East Hampton**. Prepared a detailed evaluation of groundwater conditions and potential impacts for a water extension to Lazy Point for a draft Environmental Impact Statement (DEIS). Evaluated current and historic groundwater data and analytical models to determine potential impacts for both Lazy Point and the drinking water source area and prepared associated portions of the DEIS.

Landfills

- **Program Manager, Greenhouse gas monitoring program, Town of Islip, NY**. Responsibilities include scope and budget management, staffing, client and USEPA coordination, reporting review, and troubleshooting.
- **Project Manager, Landfill Closure Investigations, Town of East Hampton, NY**. Prepared Closure Investigation work plans, including Hydrogeologic investigations, methane investigations, surface leachate investigations, and vector investigations. Prepared final Closure Investigation Reports, approved by the NYSDEC.
- **Project Manager, Landfill monitoring networks, Town of East Hampton, NY.** Supervised installation of groundwater and methane monitoring wells at the landfills, including hollow-stern auger and mud-rotary well installations, split-spoon soil sampling and boring log preparation, oversight and interpretation of wireline electric logging, and completion of initial baseline monitoring events.
- **Hydrogeologist, Landfill groundwater monitoring, NJ, private client**. Performed groundwater sampling at a radio tower facility constructed on a landfill. Analyzed results and made recommendations.

- **Hydrogeologist, Landfill gas monitoring, Town of East Hampton, NY**. Conducted methane monitoring at two landfills over a multi-year period.
- **Program Manager, Landfill monitoring programs, Town of East Hampton, NY.** Supervises ongoing groundwater and methane monitoring programs, including field team coordination, communications with the Town, report scheduling, data review, and report review prior to distribution to the client and NYSDEC. Negotiated successfully with NYSDEC for reduced monitoring frequencies based on historic monitoring results.
- **Senior Hydrogeologist, Landfill plume modeling, Town of East Hampton, NY.** Conducted groundwater flow modeling to evaluate the nature and extent of a landfill plume and its fate. Findings were presented at public meetings and were used to determine the configuration of the landfill's groundwater monitoring network.
- **Hydrogeologist, Septage lagoon Superfund site, Town of East Hampton, NY.** Conducted sampling of former septage lagoons at a landfill. Evaluated the resulting data and prepared a delisting petition for this NYSDEC Superfund site.
- **Hydrogeologist, containment system modeling, Richmond, CA.** Used the FLOW PATH modeling program to predict groundwater flow directions and evaluate extraction well locations and pumping rates for a groundwater containment and remediation system at a former municipal landfill.
- **Program Manager, Landfill gas monitoring program, Town of Islip, NY**. Manages monthly methane monitoring for all landfills, including onsite and offsite monitoring wells, methane collection systems, and flare systems. Data is recorded electronically and downloaded to computer for formatting prior to expedited delivery to Town.
- **Program Manager, Landfill monitoring reporting program, Town of Smithtown, NY**. Supervised and reviewed production of quarterly and annual monitoring reports for all monitoring programs at the landfills for Town compliance with NYSDEC requirements, including tabulation and reporting of groundwater and methane monitoring data, solid waste and recycling collection data, yard waste composting operations, and landfill leachate collection and disposal data.
- **Program Manager, Landfill remediation, Town of Huntington, NY.** An historic landfill was removed from parkland under the NYSDEC's ERP. Responsibilities included work scope development, schedule and budget management, staffing, client and regulatory agency coordination and reporting, and report review and certification.

Environmental Data Analysis

Ms. Davis has participated in multiple sessions of environmental geochemistry training provided by environmental geochemists, including physical chemistry, thermodynamics, ionic interactions, complexation, biologic effects, and other basic principles. Training also included field sampling procedures and effects on chemical data, chemical analytical methods and equipment, and QA/QC procedures and interpretation. Attended periodic environmental chemistry training sessions hosted by environmental laboratories and participated in hands-on training in data and QA/QC evaluation.

- **Data Evaluation, multiple projects**. Reviewed and evaluated numerous soil, groundwater, product, indoor/ambient air, and soil vapor chemical analytical datasets, including evaluation of batch and site-specific QA/QC samples, laboratory narratives, comparison to regulatory agency criteria, historic data, and background data.
- **QAPPs, multiple projects**. Developed and implemented numerous QAPP, including QAPP design, sample delivery group (SDG) evaluations, sampling procedures and sequences, and QA/QC sample preparation/collection.
- **DUSR Preparation, multiple projects**. Prepared Data Usability Summary Reports (DUSRs) for numerous chemical analytical datasets for projects overseen by USEPA, NYSDEC and other regulatory agencies, including soil, groundwater, soil vapor, indoor air, and ambient air datasets.
- **Electronic Data Deliverables, multiple projects**. Implemented protocols and procedures for all FPM sites for which NYSDEC Electronic Data Deliverables (EDDs) are required. Responsibilities included staff training, data package QA/QC, client interactions, budget and schedule impact assessments, and dissemination of EDD training information.
- **Data Evaluation, multiple sites**. Performed forensic assessments of historic environmental chemical analytical data to resolve apparent discrepancies with modern data and other inconsistencies.
- **Leachate test assessments**. Assessed leachate test protocols and results to determine the most applicable methods to evaluate and develop soil cleanup objectives for non-regulated compounds.
- **Organic parameter breakdown assessments.** Interpreted numerous organic parameter datasets to evaluate breakdown sequences, likely original parameters, and rates of degradation.

- **Insitu remediation assessments, multiple sites**. Formulated numerous chemical treatment plans for insitu remediation, including assessment of contaminant concentrations and distribution, chemical processes and indicators, natural attenuation indicators, additional stociometric demands, and hydrogeologic factors.

Community Impacts

- **Community Monitoring Plans, multiple hazardous waste sites**. Developed Community Air Monitoring Plans (CAMP) for investigation and remediation projects, including monitoring procedures, action levels, and mitigation measures for odors, traffic, noise, dust, and/or vapors with the potential to affect surrounding communities. Each CAMP was reviewed and approved by the NYSDEC and NYSDOH and was implemented under agency oversight. Presented CAMP findings at numerous community meetings. Addressed community and agency questions and issues
- **Vector Assessments, multiple landfill sites, Long Island, NY**. Evaluated and implemented abatement for vectors (rodents, flies, and seagulls) in association with landfill closures, including inspection and reporting of vector populations, development of vector abatement plans, and assisting Town personnel with vector abatement.
- **Odor Abatement, NYSDEC BCP site, NYC, NY. Major real estate developer**. Developed and implemented an odor abatement plan for highly-odorous soil discovered during a remedial project. The site was surrounded by three public schools; complaints following discovery of odorous soil resulted in a job shutdown until the nuisance was abated. The odor abatement plan was prepared and implemented within 24 hours and involved immediate covering of the odorous soil followed by spot excavation and removal during non-school hours (night work) and the use of odor-controlling foam. The removal was completed within one week without further incident. The NYSDEC and NYSDOH approved the completed work, allowing the job to recommence.
- **Vector Assessment, transfer station, Town of East Hampton, NY**. Conducted inspections of intense fly infestations at a Town transfer station building to identify the locations and migration pathways of flies inside the building and to develop an abatement plan. This plan was successfully implemented and abated the nuisance flies.
- **Soil Vapor Intrusion Assessments, multiple sites**. Developed and implemented air and soil vapor investigations of residential and commercial properties, as approved by the NYSDEC/NYSDOH, to evaluate potential air quality impacts and determine if mitigation or monitoring was necessary. Monitoring/mitigation designs were developed for NYSDEC/NYSDOH approval.
- **CAMP Monitoring, multiple sites**. Conducted odor, dust, noise, and organic vapor monitoring in communities surrounding environmental sites. Data were collected and interpreted in accordance with NYSDEC and/or NYSDOH guidance and the results were submitted to these agencies together with recommendations for mitigation, if appropriate.
- **Project Manager, Environmental data assessment, Windmill Village, Town of East Hampton, NY.** Evaluated environmental data obtained during due diligence testing for a proposed housing development. Recommended additional sampling and confirmed the absence of impacts.

Expert Witness/Technical Services

- **Expert Witness/Technical Services, residential project, Glen Harbor, NY. Private client**. Provided expert witness and technical services regarding environmental conditions and remedial procedures for residential redevelopment of a former oil terminal, including preparing and obtaining NYSDEC and NCDOH approval of remedial work plans, preparing remedial cost estimates and schedules, and providing testimony at a public hearing before the Town Board from which a change of zone was requested. The proposed change of zone, although subject to considerable public opposition, was approved, allowing redevelopment and associated remediation of the property to move forward.
- **Expert Witness/Technical Services, petroleum spill site, Westbury, NY. Private client.** Provided expert witness and technical services to a petroleum company defending NYSDEC cost recovery claims for a petroleum spill. The spill site involved two very large petroleum releases at gasoline stations adjoining the defendant's property. Services provided included evaluating tank tests, groundwater, soil and soil vapor chemical analytical data, petroleum fingerprint data, remediation activities and costs. Prepared numerous detailed timelines of activities, large displays of site information and subsurface conditions, and cost allocation calculations. Conducted a detailed subsurface investigation to evaluate stratigraphic conditions.

- **Expert Technical Services, development site, Village of Larchmont, NY**. Assisted the Village in successfully opposing the construction of a very large superstore in the adjoining community, including evaluating previous environmental investigations, developing cost estimates and scopes of work for a full environmental site assessment, preparing scoping cost estimates for likely remediation scenarios, preparing technical documents in support of the Village's position, and making a presentation at a public hearing. The proposed project was subsequently withdrawn.
- **Expert Hydrogeologist Services, development site, Town of Carmel, NY**. Provided technical evaluation of a proposed water district. The proposed water district would impact existing residents due to limited available water supplies and likely impact on existing wells. The work included evaluation of aquifer pumping tests, determining impacts on nearby wells, assessment of likely increased water demand, preparation of supporting documents, and presentations at project hearings. The proposed project was subsequently conditionally approved by the NYSDEC with significant modifications to protect the water rights of existing residents.
- **Expert Witness Affidavits, multiple projects**. Prepared affidavits regarding environmental conditions at client properties in support of pending legal actions, including landfill issues, wetlands and navigatable waterway issues, and petroleum spills.
- **Expert Technical Services, road construction projects, Westchester County, NY. Croton Watershed Clean Water Coalition**. Provided technical services to the CWCWC to assess impacts from proposed road construction projects on the Kensico Reservoir and other New York City water supply system facilities. This work included evaluating stormwater pollutant loading calculations, assessing impacts to wetlands, promoting application of more accurate stormwater runoff calculation methods, assessing proposed stormwater management techniques, presenting at public meetings, preparing technical statements for submittal to regulatory agencies, and participating in the NYSDOT SWPPP Guidance committee.
- **Expert Technical Services, solvent plume site, Nassau County, NY. Private client**. Provided technical support to a property owner subject to a USEPA investigation as the potential source of a large chlorinated solvent plume, including evaluation of a plume-wide RI/FS, detailed review of property historic information, multiple meetings with the USEPA, client and counsel, and identification of additional potential source areas.

Health and Safety

- **Health and safety monitoring, multiple sites**. Implemented HASP monitoring at investigation and remediation sites during intrusive activities, including calibration and operation of photoionization detector (PID) and flame ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and implemented protective measures as necessary.
- **CAMP monitoring, multiple sites**. Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Calibrated and operated noise meters, particulate monitors, and PID/FID.
- **Radiation screening, multiple sites**. Performed screening for radiation at select sites, including operating Geiger counter in different radiation modes and obtaining background readings.

Miscellaneous Projects

- **Phase I ESAs**. Performed numerous Phase I Site Assessments for residential and industrial sites in the metropolitan New York area.
- **Environmental Trainer.** Conducted aquifer pumping and soil vapor extraction test training. Instructed classes for site investigation methods, aquifer pumping test analysis, and risk assessment.
- **Project Management**. Performs a wide range of project management functions, including development and management of project budgets and schedules, coordination of field and office staffing, document preparation, review, editing, and interaction with clients, regulatory, legal, real estate, consultant, and compliance personnel.
- **Field Mapping Studies**. Organized, supervised, and conducted field mapping studies in Alaska.
- **Downhole Logging**. Directed petroleum well site geophysical logging operations and interpreted geophysical well logs.
- **Geophysical Data Interpretation**. Processed and interpreted seismic reflection data and constructed seismic velocity models.
- **Regulatory Evaluations**. Assisted and reviewed regulator's revision of proposed risk assessment-based UST cleanup guidelines. Reviewed proposed USEPA NPDES permits for remediation system effluent.
- **Geologic Mapping**. Constructed and interpreted structural and stratigraphic cross sections, and structure contour, fault surface, isochore, and isopach maps.

Regulatory Compliance

- **Site Audits**. Has conducted numerous site audits for regulatory compliance, particularly with respect to Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Responsibility and Liability Act (CERCLA), the Clean Water Act (CWA) and Clean Air Act (CAA).
- **RCRA compliance audits.** Conducted inspections and reporting regarding underground and aboveground storage tanks (USTs and ASTs), hazardous waste storage facilities, waste management and reporting requirements, and hazardous waste storage area closures in compliance with RCRA.
- **CERCLA Compliance**. Oversees and coordinates environmental site assessments (ESAs) for compliance with CERCLA requirements for a wide variety of facilities including operating and historic industrial sites manufacturing plants, abandoned facilities, and multi-property Brownfield sites.
- **Superfund Sites**. Managed multiple investigation and remedial projects at state and federal Superfund sites. Is very familiar with all phases of CERCLA projects including PA/SI, RI, FS, RD and RA. Has overseen activities at many Superfund sites from investigation through closure.
- **CWA Projects.** Conducted investigation and remediation of Class V underground injection control (UIC) Systems, investigation and acquisition of UIC discharge permits, and discharges into surface water bodies.
- **CAA Compliance Projects**. Conducted facility investigations for emissions sources, including paint booths, fume hoods, process discharges and other point sources. Sampled and evaluated remediation system discharges for CAA compliance, recommended emissions treatment when required.

Representative DOD Projects

- **Barksdale RFI, Barksdale AFB, LA, $520K-**Lead Geologist for RFI for multiple Base-wide sites at Barksdale AFB, including landfills, petroleum spills, fire training areas, sewage treatment plans, and chemical spills. Managed field crews and sampling of soil, groundwater, and waste, performed sample and waste management, and coordinated with Base representatives. Prepared RFI Report, including analytical data reports, CS, and recommendations.
- **Barksdale LTM Program, Barksdale AFB, LA, $1.7M-**Lead Geologist for LTM Program for Base-wide Barksdale groundwater, including landfills, petroleum spills, fire training areas, sewage treatment plants, and chemical spills. Supervised field crews, managed samples and waste, prepared LTM Reports and made recommendations for LTM optimization.
- **Site Characterization, Plattsburgh AFB, NY, $720K-**Field Team Leader for SC investigation of fuel oil USTs and petroleum spills at Base housing, officers' quarters, and support building prior to transition of these areas to other uses. Working for AFCEE, developed and conducted an SC for over 200 USTs, including soil and groundwater sampling to identify petroleum contamination. Supervised several field crews in an accelerated sampling program to complete the SC prior to winter conditions. Prepared SC Report submitted to and approved by the NYSDEC.

Ben T. Cancemi, CPG

FPM group — Engineering and Environmental Science

Mr. Cancemi has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, design and management of soil remediation projects, installation and maintenance of groundwater containment and remediation systems, aquifer testing and interpretation, geotechnical studies, evaluation of site compliance with environmental regulations and environmental permitting.

Functional Role	Title	Years of Experience
Hydrogeologist	**Senior Hydrogeologist**	**17**

Personal Data

Education
M.S./2001/Hydrogeology/SUNY Stony Brook
B.S./1995/Geology/SUNY Stony Brook

Registration and Certifications
Certified Professional Geologist – American Institute of Professional Geologists
OSHA 40-hour HAZWOPER and Current 8-hour Health and Safety Training and Current Annual Physical
OSHA 8-hour HAZWOPER Supervisor
OSHA 10-hour Construction Safety and Health
OSHA Permit-Required Confined Space Training
Long Island Geologists
National Groundwater Association
MTA NYC Transit Track Safety Certification

Employment History
2001-Present FPM Group
1998-2001 Burns & McDonnell Engineering Company
1997-1998 Groundwater and Environmental Services
1996-1997 Advanced Cleanup Technologies

Detailed Experience

Hydrogeologic Evaluations

- Performed constant head hydraulic conductivity (packer) testing in boreholes located in fractured bedrock in lower Manhattan, NY to evaluate fracture connectivity with the nearby Hudson and East Rivers and determine hydraulic conductivity and related parameters such that water management procedures could be implemented for redevelopment of the New South Ferry Subway Station.
- Coordinated and performed a hydrogeologic investigation, including utility clearing, soil borings, rock coring, packer testing, aquifer pumping testing, data collection, and interpretation, to evaluate subsurface conditions and determine geologic parameters for a proposed subway extension of the NYC Transit No.7 Subway Line.
- Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.

Site Investigations/Groundwater Monitoring

- Coordinated and performed an investigation at a vacant commercial property Far Rockaway, NY, including soil, groundwater and soil vapor sampling to assess onsite chlorinated solvent impacts from an adjoining offsite source.
- Coordinated and performed soil and groundwater sampling and soil vapor studies at several aerospace manufacturing facilities on Long Island, NY. Assessments included an evaluation of past manufacturing and facility operations, storage and use of solvents, petroleum and manufacturing-derived wastes, and impacts to soils, soil vapor, and groundwater. Areas of concern were identified for further evaluation and/or corrective action.
- Coordinated and performed long term groundwater monitoring at two closed Town of East Hampton, NY municipal landfills, including the sampling a multi-depth monitoring well network, analysis and interpretation of analytical and hydrogeologic data, and regulatory reporting in accordance with NYSDEC Part 360 requirements.
- Coordinated and performed soil and groundwater investigations at various agricultural and horticultural properties to evaluate impacts of past herbicide and pesticide usage on the underlying soil and groundwater.

- Managed and performed routine methane monitoring at two Town of East Hampton landfills for compliance with NYSDEC requirements and to evaluate potential offsite migration to the surrounding community. Monitored indoor air with a flame ionization detector (FID) to evaluate impacts to buildings.
- Assisted with groundwater flow modeling for the Springs-Fireplace Road Landfill to evaluate the nature and extent of the landfill plume, its likely downgradient extent, and its fate.
- Coordinated and performed onsite and offsite monitoring at petroleum release sites on Long Island, the New York metropolitan area, and in Westchester County in accordance with NYSDEC Spill program requirements. The monitoring programs generally included sampling multi-depth monitoring well networks utilizing low-flow sampling techniques, analysis/interpretation of analytical and hydrogeologic data, and regulatory reporting.
- Coordinated a soil and groundwater sampling program to evaluate environmental conditions at Terminal A, Logan International Airport, East Boston, Massachusetts. The program included an assessment of the current fuel hydrant system and other locations of potential environmental concern using non-destructive air vacuum extraction-clearing techniques combined with direct-push sampling.
- Managed and performed a soil and groundwater investigation, a remedial soil excavation, and groundwater monitoring at a pyrotechnics manufacturing facility in Suffolk County, NY. The work was performed under the direction of the Suffolk County Department of Health Services (SCDHS) to investigate and remediate contamination from historic use of perchlorate-containing materials at the facility.
- Coordinated and performed soil and groundwater investigations at several automobile dealerships in Westchester County, NY to evaluate potential impacts from petroleum and chemical solvent storage and usage and onsite waste water disposal systems.

Phase I Environmental Site Assessments

- Performed numerous Phase I Environmental Site Assessments (ESAs) for commercial and industrial properties throughout the Northeastern United States for various clients including trucking companies, major airlines, telecommunication companies, chemical/ petroleum storage facilities, aerospace manufacturing facilities, machine shops, retail shopping centers, auto dealerships and service stations.

Remediation

- Managed remedial activities at a NY State Environmental Restoration Program (ERP) Site situated at a former hospital landfill in Northport, NY. Responsibilities contractor management and oversight, soil disposal management, confirmatory testing, data review, and preparation of a final engineering report to document remedial activities.
- Performed pilot testing, design, installation and procurement of numerous multi-depth soil vapor extraction (SVE) and air sparge (AS) remediation systems on Long Island and in the NYC metropolitan area to remediate chlorinated solvents and petroleum. Conducted remediation system operation and maintenance, and evaluations of system performance.
- Performed numerous storm water and sanitary leaching structure (UIC) cleanouts utilizing excavation and/or vacuum assisted equipment to remove contaminated sediments and liquids. Conducted waste characterization and profiling, pipe camera surveys, and structure locating utilizing water-soluble dyes and electronic locating equipment.
- Designed and oversaw the installation of a sub-slab depressurization system (SSDS) in the Bronx, NY to mitigate chlorinated solvent impacts. SSDS monitoring was conducted to ensure proper operation and emissions compliance of with NYSDEC air discharge guidelines.
- Operated and maintained remediation systems, including SVE, groundwater pump and treat, AS, dual-phase extraction, SSDS and free-phase petroleum recovery systems.

Health and Safety

- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Calibrated and operated photoionization detectors (PID) and flame-ionization detectors (FID) for organic vapors and combustible gas indicators (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Calibrated and operated noise meters, particulate monitors, and PID/FID.
- Prepared community air monitoring and health and safety plans for several NYSDEC inactive hazardous waste, brownfield cleanup program, volunteer cleanup program, petroleum spill, and NYC e-designation program sites.
- Performed screening for radiation at select sites. Operated Geiger counter in different radiation modes and obtained and evaluated background readings.

Other

- Coordinated RCRA closure activities and performed confirmatory sampling at a former package manufacturing facility in Garden City, NY. Project duties included contractor procurement, rinsate and soil sampling, and regulatory agency reporting and coordination.
- Prepared a remedial design (RD) work plan for a former hospital landfill on Long Island. The RD work plan included a summary of past investigations, a materials management plan for the excavation and disposal of contaminated soils and debris, a post-excavation sampling plan, a site restoration plan, community air monitoring plan (CAMP), health and safety plan (HASP) and a quality assurance and quality control (QA/QC) plan.
- Managed and performed monthly soil gas sampling and quarterly indoor air quality sampling at an elementary school in southwestern Nassau County, NY. The monitoring and related reporting were performed to ensure that a gasoline groundwater plume migrating through the school property was not impacting the school occupants.
- Performed compliance inspections to assess issues of potential environmental concern at manufacturing, aviation, trucking, retail and not-for-profit facilities.
- Managed and performed methane monitoring at two eastern Long Island landfills to evaluate potential offsite impacts, indoor air quality, and methane generation and migration.
- Managed and coordinated a petroleum spill investigation to evaluate the nature and extent of a fuel oil release at an office building in White Plains, NY. The investigation included excavation and removal of a 5,000-gallon situated over 20 feet below grade, tightness testing of the UST and associated piping, a soil and groundwater investigation, free product recovery utilizing vacuum-enhanced fluid recovery techniques, and coordination and reporting to the NYSDEC and Westchester County Department of Health.

George H. Holmes

FPM group — Engineering and Environmental Science

Mr. Holmes has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, routine landfill gas monitoring, Phase I Environmental Site Assessments, soil remediation projects, soil vapor intrusion evaluation, maintenance of groundwater remediation systems, aquifer interpretation, and evaluation of site compliance with environmental regulations.

Functional Role	Title	Years of Experience
Hydrogeologist	Hydrogeologist/Civil Engineer	2

Personal Data

Education
M.S./2011/Civil Engineering/Penn State, PA
B.S./2007/Geology/SUNY Cortland, NY

Registration and Certifications
OSHA 40-hour HAZWOPER Health & Safety Training
Current OSHA 8-hour HAZWOPER Health & Safety Refresher
American Geophysical Union
Long Island Association of Professional Geologists

Employment History
2011-Present FPM Group
2007-2007 Suffolk County Water Authority

Detailed Experience

Site Investigation and Monitoring

- Performed soil, soil vapor, indoor air and groundwater monitoring and sampling at numerous commercial, industrial, and retail gasoline sites throughout Long Island, New York City, Westchester County and upstate New York. Monitoring and sampling activities have been conducted in accordance with NYSDEC-approved work plans, Phase II and other investigations.
- Assisted in a groundwater, soil, and soil vapor investigation at a Brownfield Cleanup Program (BCP) Site in Far Rockaway, NY involving chlorinated solvents. Responsibilities included groundwater, soil, and soil vapor sampling for characterization and delineation.
- Coordinated and managed subcontractors performing soil boring and well installation activities, excavation activities and utility mark-outs at numerous sites throughout Long Island, New York City, Westchester County and upstate New York.
- Conducted sampling of underground injection control (UIC) systems at several locations on Long Island and in New York City. Responsibilities included sample acquisition and management, field screening, equipment decontamination, data tabulation and evaluation, and reporting.
- Skilled in use and calibration of field equipment including photoionization detectors (PID), flame-ionization detectors (FID), Landtec Infrared Gas Analyzer, combustible gas indicator (CGI), water-level meters, interface probes, submersible pumps, groundwater quality instrumentation, and survey equipment.
- Prepared monitoring reports, investigation reports, site plans, contaminant concentration contour maps, groundwater flow direction maps, and NYSDEC EDD's.
- Conducted Phase I Environmental Site Assessments (ESAs) for numerous residential, commercial, industrial and vacant wooded sites in New York State in accordance with ASTM standards. Phase I ESA tasks included site inspections, interviews, evaluation of state and federal databases, record reviews at local and state government agencies, and report preparation.
- Performed project management tasks including budget analysis, project tracking, invoice approval, client interaction, and preparation of site-specific health and safety plans (HASPs) Community Air Monitoring Plans (CAMPs) and Quality Assurance Project Plans (QAPP)..

Remediation

- Assisted in remedial activities at a New York State Environmental Restoration Program (ERP) brownfield site in Northport, NY. Responsibilities included collection of waste characterization samples, oversight and documentation of excavation and disposal activities, collection of endpoint samples to document the condition of the remaining soil, data tabulation and evaluation and report preparation.

- Assisted in remedial activities at a former fuel terminal site in Glenwood Landing, NY. Responsibilities included collection of waste characterization samples, oversight of excavation and removal of impacted soils, and oversight of floating product removal.
- Provided oversight for the installation of a product recovery system at an industrial site in Flushing, NY. Responsibilities included monitoring product thickness and recovery, field coordination, and documentation.
- Assisted in a UST removal and the removal of impacted sediments from a leaching pool at a former dry-cleaning site in Levittown, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, coordination with various Nassau County agencies and the NYSDEC, and report preparation.
- Managed the removal of impacted sediments and liquids from several leaching pools at a commercial site in Inwood, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, data tabulation and evaluation and report preparation.
- Operated and maintained remediation systems including soil vapor extraction, groundwater pump and treat, air sparge systems, and sub-slab depressurization systems.

Landfills

- Participated in landfill gas monitoring projects at Town of Islip three landfills. Monitoring program included monthly collection of landfill gas data from onsite and offsite methane wells, methane collection systems (extraction wells), and flare systems, Volatile Organic Compound (VOC) monitoring, greenhouse gas monitoring, and report preparation. Responsibilities also included frequent correspondence with Town officials and regulatory personnel.
- Participated in field and reporting activities for the U.S. Environmental Protection Agency (EPA) Greenhouse Gas (GHG) Reporting Program at the Blydenburgh Landfill in the Town of Islip. Program included weekly GHG data collection, usage and maintenance of a dedicated data logging system, data management, and report preparation in accordance with EPA specifications.
- Conducts ongoing groundwater and methane monitoring programs for two Town of East Hampton landfills. Responsibilities include collection of routine and baseline groundwater samples, methane monitoring and operating, tabulation of analytical data, and report preparation.

Health and Safety

- Prepared community air monitoring (CAMP) and health and safety plans (HASP) for several NYSDEC inactive hazardous waste, brownfield cleanup program, and voluntary cleanup program sites, and petroleum sites.
- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of PID and FID for organic vapors and CGI for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors in accordance with NYSDEC-approved CAMPs. Recorded observations and compared to applicable action levels. Calibrated noise meters, particulate monitors, and PID/FID.

APPENDIX 3

HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

PREPARED FOR

134-37 35TH AVENUE
FLUSHING, NEW YORK

PREPARED BY

FPM group™

909 MARCONI AVENUE
RONKONKOMA, NEW YORK 11779

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SECTION 1.0
INTRODUCTION

This Health and Safety Plan (HASP) has been written for compliance with "OSHA Hazardous Waste Operations Standards (29 CFR 1910.120)", OSHA Construction Standard 29 CFR 1926, the guidance documents, "Standard Operating Safety Guidelines (Office of Solid Waste and Emergency Response, 1988)" and the "Occupational Safety and Health Guidance Manual for Hazardous Waste Activities" (U.S. Department of Health and Human Services, 1985).

1.1 Scope and Applicability of the HASP

This HASP is designed to be applicable to locations where activities associated with the sampling of groundwater, soil, and soil vapor are performed at or in proximity to the Site. This HASP may also be modified or amended to meet specific needs of the work proposed. This HASP will detail the Site safety procedures, Site background, and safety monitoring. Contractors will be required to adopt this HASP in full.

The Health and Safety Officer (HSO) will be present at the Site to inspect the implementation of the HASP; however, it is the sole responsibility of the contractor(s) to comply with the HASP.

The HASP has been formulated as a guide to complement professional judgment and experience. The appropriateness of the information presented should always be evaluated with respect to unforeseen Site conditions which may arise.

1.2 Site Work Zone and Visitors

The Site work zone (a.k.a. exclusion zone) during groundwater, soil, and soil vapor sampling activities will be a 30-foot radius about the work location. This work zone may be extended if, in the judgment of the health and safety officer (HSO), Site conditions warrant a larger work zone.

No visitors will be permitted within the work zone without the consent of the HSO. All visitors will be required to be familiar with, and comply with, the HASP. The HSO will deny access to those whose presence within the work zone is unnecessary or those who are deemed by the HSO to be in non-compliance with the HASP.

All Site workers including the contractors will be required to have 40-hour hazardous material training (eight-hour refresher courses annually), respirator fit test certification, and medical surveillance as stated in 29 CFR 1910.120.

The HSO will also give an on-Site health and safety discussion to all Site personnel, including the contractors, prior to initiating the Site work. Workers not in attendance during the health and safety talk will be required to have the discussion with the HSO prior to entering the work zone.

Emergency telephone numbers and directions to the nearest hospital are found in Table 1.2.1.

TABLE 1.2.1
EMERGENCY TELEPHONE NUMBERS

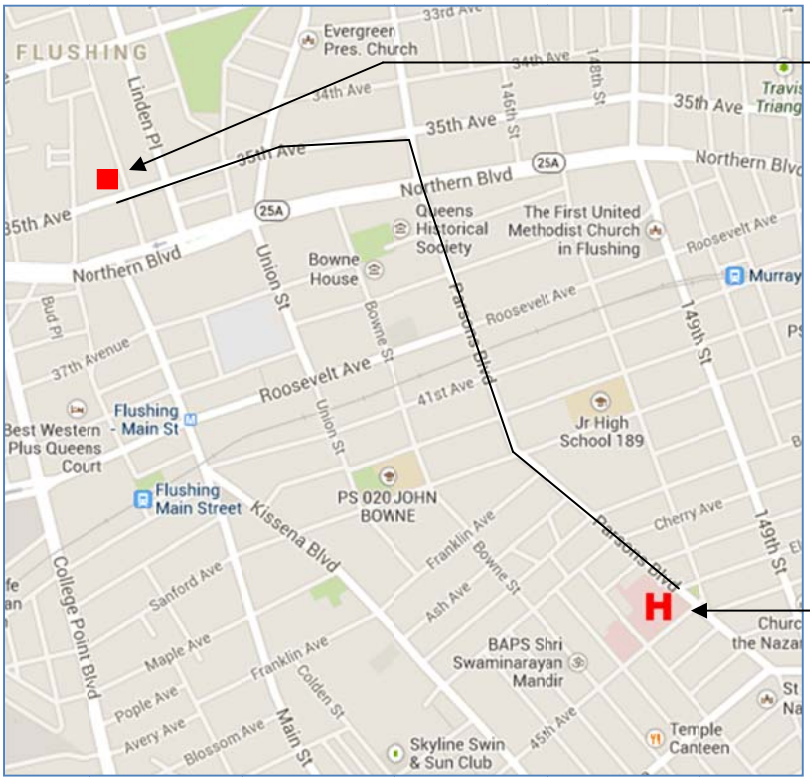
Police 911
Ambulance 911
Poison Control Center 212-764-7667
New York State Spills Hotline 800-457-7362
Flushing Hospital Medical Center 718-670-5495

FPM Contact Personnel (Office: 631-737-6200)

Dr. Kevin J. Phillips, P.E. .....Cell # 631-374-6066
Ben Cancemi, Project Manager and Health and Safety Officer .....Cell # 516-383-7106
Stephanie Davis, Project Coordinator, QA/QC Officer .....Cell # 516-381-3400
George Holmes, Alternate Health & Safety Officer .....Cell # 631-512-1077

Directions to Flushing Hospital Medical Center (718-670-5495)

Turn left from the south side of the Site and head east on 35th Avenue about one-half mile to Parsons Boulevard. Turn right onto Parsons Boulevard and continue south approximately three-quarters of a mile. Flushing Hospital Medical Center will be on the right.



SECTION 2.0
KEY PERSONNEL AND RESPONSIBILITIES

The project manager and field activities manager for this project will be Ben Cancemi. Mr. Cancemi will also be the primary HSO. The project field staff may include Stephanie Davis, John Bukoski, and/or George Holmes. Contractor personnel may also be on Site. In the event that Mr. Cancemi is not onsite, the senior FPM staff member onsite will act as HSO and will report to the project manager. Contractor personnel will be provided with health and safety information by the HSO.

SECTION 3.0
SITE BACKGROUND

3.1 Site History and Potential Chemical Constituents at the Site

The Site is located at 134-37 35th Avenue in Flushing, New York. The site is developed with a large vacant commercial building. The site is e-designated for hazardous materials. The site has historically been used by the New York City Department of Sanitation (NYCDOS) as a garage. Approximately 10 petroleum USTs have been closed-in-place or removed from the site. Groundwater, soil, and/or soil vapor at the Site may be impacted with petroleum-related chemicals and chlorinated solvents. See Table 3.1.1 below for a list of typical petroleum chemicals and chlorinated solvents with threshold limit values.

TABLE 3.1.1
TYPICAL PETROLEUM CHEMICALS AND CHLORINATED SOLVENTS WITH THRESHOLD LIMIT VALUES
134-37 35th AVENUE
FLUSHING, NEW YORK

Contaminant	Short Term Exposure Limit (STEL) 15 Minutes	Time-Weighted Average Eight-Hour Exposure Limit
Benzene	5 ppm	1 ppm
Ethylbenzene	125 ppm	100 ppm
o-Xylene	150 ppm	100 ppm
m,p-Xylene	150 ppm	100 ppm
MTBE	100 ppm	50 ppm
Tetrachloroethene	100 ppm	100 ppm
Trichloroethene	200 ppm	100 ppm
Toluene	150 ppm	100 ppm

SECTION 4.0
TASK/OPERATION HEALTH AND SAFETY ANALYSIS

This section will present health and safety analyses for the groundwater, soil, and soil vapor sampling activities.

4.1 Safety Analysis

Sampling activities will generally be performed by FPM personnel, although contractors will be utilized to provide access to the subsurface with the use of heavy equipment such as direct-push rigs. Safety concerns will include risk of injury due to being struck by equipment, being trapped between moving equipment parts, being struck by dropped materials, and hearing damage due to equipment noise. Site personnel will take precautions against these risks when working in the vicinity of heavy equipment by being aware of equipment locations and movement, by wearing steel-toed boots and hard hats, and by using hearing protection, if necessary. Site personnel who have not previously worked in the vicinity of heavy equipment will be paired with an experienced person for at least one day to familiarize themselves with heavy equipment operations and safety procedures.

A calibrated photoionization detector (PID) will be used to monitor VOCs in the worker's breathing zone during performance of soil borings. Steady-state PID readings greater than 10 ppm in the worker's breathing zone will require upgrading to Level C personal protective equipment. The NYC OER will be notified if there is a need to upgrade to Level C protection. Steady-state readings, for this purpose, will be defined as readings between 10 and 20 parts per million (ppm) above background for a minimum of ten seconds. Readings will be obtained at points approximately one foot above and then around the borehole. These points will define the worker's breathing zone. Level C personal protection, if implemented, will include full-face air-purifying respirators with dust and organic vapor cartridges (personal protective equipment will be7 described in greater detail in Section 7.0). All FPM personnel and contractors must be properly trained and fit tested prior to donning respirators.

Upon encountering PID levels greater than 20 ppm above background in the worker's breathing zone, work will stop until the source of vapors is abated and readings are less than 20 ppm above background. If, at any time, PID readings exceed steady-state levels greater than 50 ppm above background, or any conditions exist which the HSO determines will require Level B personal protective equipment, all work at the Site will cease immediately and all personnel will evacuate the work zone. Evacuation will occur in the upwind direction if discernible. Level B conditions are not anticipated to be encountered; however, if level B conditions arise, no Site work will be performed by FPM or contractors and a complete evaluation of the operation will be performed and this HASP will be modified.

All personnel who may directly contact soil or groundwater will be required to wear chemical-resistant gloves (such as butyl or nitrile) when the potential for dermal contact with the soil or groundwater is possible. Dermal contact with Site soil or groundwater will be avoided.

Hard hats and steel-toe, steel-shank safety boots will be required when work is performed in the vicinity of heavy equipment.

4.2 Other Safety Considerations

4.2.1 Noise

During sampling activities, operation of a direct push rig, or any other operation which may generate potentially harmful levels of noise, the HSO will monitor noise levels with a Realistic[tm] hand-held sound level meter. Noise levels will be monitored in decibels (dBs) in the A-weighted, slow-response mode. Noise level readings that exceed the 29 CFR 1910.95 permissible noise exposure limits will require hearing protection (see Table 4.2.1.1 for permissible noise exposures).

Hearing protection will be available to all Site workers. The hearing protection will consist of foam, expansion-fit earplugs (or other approvable hearing protection) with an Environmental Protection Agency noise reduction rating of at least 29 dB. Hearing protection must alleviate worker exposure to noise to an eight-hour time-weighted average of 85 dB or below. In the event that the hearing protection is inadequate, work will cease until a higher level of hearing protection can be incorporated.

TABLE 4.2.1.1
PERMISSIBLE NOISE EXPOSURES*

Duration Per Day Hours	Sound Level dBA Slow Response
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25	115

Notes:

When the daily noise exposure is composed of two or more periods of noise exposure of different levels, their combined effect should be considered, rather than the individual effect of each. If the sum of the following fractions: $C_1/T_1+C_2/T_2$ C_6/T_6 exceeds unity, then, the mixed exposure should be considered to exceed the limit value. Cn indicates the total time of exposure at a specified noise level, and Tn indicates the total time of exposure permitted at that level.

Exposure to impulsive or impact noise should not exceed 140 dB peak sound pressure level.

*Standards derived from 29 CFR 1910.95

4.2.2 Slip/Trip/Fall Preventative Measures

To reduce the potential for slipping, tripping, or falling, the work zone will be kept clear of unnecessary equipment. All Site workers will be required to wear work boots with adequate tread to reduce the potential for slipping (work boots must be leather or chemical-resistant and contain steel toes and steel shanks).

4.2.3 Insects and Ticks

Insect and tick problems are expected to be minimal. Potential insect problems include, but are not limited to, bees, wasps, and hornets. Prior to commencement of work, each work area will be surveyed for nests and hives to reduce the possibility of disturbing these insects. In addition, each Site worker will be asked to disclose any allergies related to insect stings or bites. The worker will be requested to keep his or her anti-allergy medicine on Site.

Tick species native to Long Island consist of the pinhead-sized deer tick and the much-larger dog tick. Ticks are not anticipated at the Site due to the paucity of suitable habitat.

4.2.4 Heat/Cold Stress

Heat stress may become a concern, especially if protective clothing is donned that will decrease natural ventilation. To assist in reducing heat stress the following measures will be taken:

- An adequate supply of water or other liquids will be brought on Site. To prevent dehydration, personnel will be encouraged to drink generous amounts of water even if not thirsty.
- A shady rest area will be designated to provide shelter during sunny days.
- In hot weather, workers wearing protective clothing may be rotated.

When the temperature is over 70 degrees Fahrenheit and personnel are wearing protective clothing, heat stress monitoring may be implemented as follows:

- Heart rate may be measured by counting the radial pulse for 30 seconds at the beginning of the rest period. The heart rate should not exceed 110 beats per minute. If the rate is higher, the next work period will be shortened by ten minutes (or 33%). If the pulse rate is 100 beats per minute at the beginning of the next rest period, the following work cycle will be shortened by 33%. The HSO will decide on the length of work periods and rest periods based on Site conditions.
- Body temperature may be measured, if deemed necessary, at the beginning of the rest period. Oral temperature should not exceed 99 degrees Fahrenheit. If it does, the next work period will be shortened by ten minutes (or 33%). However, if the oral temperature exceeds 99.7 degrees Fahrenheit at the beginning of the next period, the following work cycle will be further shortened by 33%. Work will not re-commence until by temperature has dropped below 99 degrees Fahrenheit.

Indications of heat stress range from mild (fatigue, irritability, anxiety, decreased concentration, dexterity or movement) to fatal. Medical help will be obtained for serious conditions. Heat-related problems are:

- Heat rash: caused by continuous exposure to heat and humid air and aggravated by chafing clothes. Decreases ability to tolerate heat as well as being a nuisance.

- Heat cramps: caused by profuse perspiration with inadequate fluid intake and chemical replacement (especially salts). Signs: muscle spasm and pain in the extremities and abdomen.

- Heat exhaustion: caused by increased stress on various organs to meet increased demands to cool the body. Signs: shallow breathing; pale, cool, moist skin; profuse sweating; dizziness and lassitude.

- Heat stroke: the most severe form of heat stress. Can be fatal. Medical help must be obtained immediately. Body must be cooled immediately to prevent severe injury and/or death. Signs: red, hot, dry skin; no perspiration; nausea; dizziness and confusion; strong, rapid pulse; coma.

Cold exposure is a concern if work is conducted during cold weather or marginally cold weather during precipitation periods or moderate to high wind velocity periods. To assist in reducing cold exposure the following measures will be taken:

- All personnel will be required to wear adequate and appropriate clothing. This will include head gear to prevent the high percentage loss of heat that occurs in this area (thermal liners for hard hats if hard hats are required).

- Provide a readily available warm shelter near each work zone.

- Carefully schedule work and rest periods to account for the current temperature and wind velocity conditions.

- Monitor work patterns and physical condition of workers and rotate personnel, as necessary.

Indications of cold exposure range from shivering, dizziness, numbness, confusion, weakness, impaired judgment, impaired vision to drowsiness. Medical help will be obtained for serious conditions if they occur. Cold exposure-related problems are:

- Frost bite: Ice crystal formation in body tissues. The restricted blood flow to the injured part results in local tissue destruction.

- Hypothermia: Severe exposure to cold temperature resulting in the body losing heat at a rate faster than the body can generate heat. The stages of hypothermia are shivering, apathy, loss of consciousness, decreasing pulse rate and breathing rate and death.

4.2.5 Potential Electrical Hazards

Potential electric hazards consist primarily of underground and overhead power lines. Potential underground electrical hazards will be minimized by having a utility markout performed for both onsite and offsite activities. In addition, available as-built Site blueprints will be used to avoid contact with subsurface utility lines or structures. Overhead electrical hazards will be evaluated by visually observing the work location prior to performing operations which have the potential to contact overhead utilities. No work shall be performed in close proximity to overhead utilities.

4.2.6 The Buddy System

All activities in contaminated or potentially contaminated areas will be conducted by pairing off the Site workers in groups of two (or three if necessary). Each person (buddy) will be able to:

- Provide his or her partner with assistance.
- Observe his or her partner for signs of chemical or heat exposure.
- Periodically check the integrity of his or her partner's protective clothing.
- Notify the HSO or others if emergency help is needed.

The buddy system will be instituted at the beginning of each workday. If new workers arrive on Site, a buddy will be chosen prior to the new worker entering the work zone.

4.2.7 Site Communications

Two sets of communication systems will be established at the Site: internal communication among personnel on-Site, and external communication between on-Site and off-Site personnel.

Internal communication will be used to:

- Alert team members to emergencies.
- Pass along safety information such as heat stress check, protective clothing check, etc.
- Communicate changes in the work to be accomplished.
- Maintain Site control.

Due to ambient noise, verbal communications may be difficult at times. The HSO will carry a whistle (and compressed air horn if respirators are donned) to signal Site workers. A single whistle blast will be the signal to immediately evacuate the work zone through the access control point. This signal will be discussed with all Site workers prior to commencement of work.

An external communication system between on-Site and off-Site personnel will be established to:

- Coordinate emergency response
- Report to the Project Manager
- Maintain contact with essential off-Site personnel

A field telephone will be available at all times in the HSO's vehicle. In addition, the nearest alternate phone will be identified prior to the commencement of Site operations and this location will be relayed to all Site workers.

4.2.8 General Safe Work Practices

Standing orders applicable during Site operations are as follows:

- No smoking, eating, drinking, or application of cosmetics in the work zone.
- No matches or lighters in the work zone.
- All Site workers will enter/exit work zone through the Site access point.
- Any signs of unusual conditions will require reporting the information to the HSO, who will take appropriate action.
- Loose fitting clothing or loose long hair will be prohibited in the work zone during direct push or concrete coring operations.
- A signal person will direct the backing of work vehicles.
- Equipment operators will be instructed to check equipment for abnormalities such as oozing liquids, frayed cables, unusual odors, etc.

SECTION 5.0
PERSONNEL TRAINING REQUIREMENTS

All FPM personnel and contractor personnel will receive adequate training prior to entering the Site. FPM and contractor's personnel will, at a minimum, have completed OSHA-approved, 40-hour hazardous materials Site safety training and OSHA-approved, eight-hour safety refresher course within one year prior to commencing field work. The HSO will have received the OSHA-approved, eight-hour course on managing hazardous waste operations. In addition, each worker must have a minimum of three days field experience under the direct supervision of a trained, experienced supervisor.

Prior to Site fieldwork, the HSO will conduct an in-house review of the project with respect to health and safety with all FPM personnel who will be involved with fieldwork at the Site. The review will include discussions of signs and symptoms of chemical exposure and heat/cold stress that indicate potential medical emergencies presented in Table 5.1. In addition, review of personal protective equipment will be conducted to include the proper use of air-purifying respirators.

Persons receiving the project review/HASP training will sign the HASP acknowledgement form included at the end of this section. The completed form will serve as documentation of the project review/HASP training.

TABLE 5.1
SIGNS AND SYMPTOMS OF EXPOSURE TO CHEMICALS

Type of Hazard	Signs and Symptoms	
Chemical Hazard	Behavioral changes Breathing difficulties Changes in complexion of skin color Confusion Coordination difficulties Coughing Depression Dermatitis Dilated Pupils Dizziness Euphoria Fatigue and/or weakness Flushed face and/or neck Insomnia Irregular heartbeat Irritability	Irritation of eyes, nose, respiratory tract, skin or throat Headache Lacrimation Light-Headedness Muscle Fatigue Nausea Nervousness Numbness in limbs Paresthesia Sleepiness Tingling Tremors Vertigo Visual disturbance Vomiting
Heat Exhaustion	Clammy skin Confusion Dizziness Fainting Fatigue Heat rash	Light-headedness Nausea Profuse sweating Slurred speech Weak pulse
Heat Stroke (may be fatal)	Confusion Convulsions Hot skin, high temperature (yet may feel chilled) Incoherent speech	Staggering gait Sweating stops (yet residual sweat may be present) Unconsciousness

SITE WORKER
HEALTH AND SAFETY TRAINING ACKNOWLEDGMENT

I have read this Health and Safety Plan (HASP) and received training for the Phase II investigation at the 134-37 35th Avenue, Queens, NY Site (the Site) and I have reviewed and understand the potential hazards and the precautions/contingencies of each potential hazard.

I agree to abide by the stipulations of this HASP and further agree to hold FPM Group harmless from, and indemnify against, any accidents which may occur as a result of activities at the Site, regardless of whether or not they were covered in the HASP.

Name: _____ Representing:_____

Sign: _____ Date:_____

Name: _____ Representing:_____

Sign: _____ Date:_____

Name: _____ Representing:_____

Sign: _____ Date:_____

Name: _____ Representing:_____

Sign: _____ Date:_____

Name: _____ Representing:_____

Sign: _____ Date:_____

SECTION 6.0
MEDICAL SURVEILLANCE PROGRAM

All workers at the Site must participate in a medical surveillance program in accordance with 29 CFR 1910.120. A medical examination and consultation must have been performed within the last twelve months to be eligible for fieldwork.

The content of the examination and consultation will include a medical and work history with special emphasis on symptoms related to the handling of hazardous substances, health hazards, and fitness for duty including the ability to wear required personal protective equipment under conditions (i.e., temperature extremes) that may be expected at the work Site. All medical examinations and procedures shall be performed by, or under the supervision of, a licensed physician.

The physician shall furnish a written opinion containing:

- The results of the medical examination and tests.
- The physician’s opinion as to whether the employee has any detected medical conditions that would place the worker at increased risk of material impairment of the employee's health from work in hazardous waste operations.
- The physician's recommended limitations upon the worker assigned to the work.
- A statement that the worker has been informed by the physician of the results of the medical examination and any further examination or treatment.

An accurate record of the medical surveillance will be retained. The record will consist of at least the following information:

- The name and social security number of the employee.
- Physician’s written opinions, recommended limitations, and results of examinations and tests.
- Any worker medical complaints related to exposure to hazardous substances.

SECTION 7.0
PERSONAL PROTECTIVE EQUIPMENT

7.1 General Considerations

The two basic objectives of the personal protective equipment (PPE) are to protect the wearer from safety and health hazards, and to prevent the wearer from incorrect use and/or malfunction of the PPE.

Potential Site hazards were discussed previously in Section 4.0. The duration of Site activities is estimated to be approximately four weeks. All work is expected to be performed during daylight hours and workdays, in general, are expected to be eight hours in duration.

Personal protection levels for the Site activities, based on investigations of nearby properties, are anticipated to be Level D with the unlikely possibility of upgrading to Level C. The equipment included for each level of protection is provided as follows:

<u>Level C Protection</u>

Personnel protective equipment:

- Air-purifying respirator, full-face, equipped with dust and organic vapor cartridges.
- Chemical-resistant clothing includes: Tyvek^{tm} (spunbonded olefin fibers) for particulate and limited splash protection or Saranex^{tm} (plastic film-laminated Tyvek) for permeation resistance to solvents.
- Coveralls*, or
- Long cotton underwear*
- Gloves (outer), chemical-resistant
- Gloves (inner), chemical-resistant
- Boots (outer), leather or chemical-resistant, steel toe and shank.
- Boot covers (outer), chemical-resistant (disposable)*
- Hard hat (face shield)*
- Escape mask*
- 2-way radio communications (intrinsically safe)*

(*) optional

Criteria for Selection of Level C Protection

Meeting all of these criteria permits use of Level C Protection:

- Oxygen concentrations are not less than 19.5% by volume.
- Measured air concentrations of identified substances will be reduced by the respirator below the substance's threshold limit value (TLV).
- Atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect any body area left unprotected by chemical-resistant clothing.
- Job functions do not require self-contained breathing apparatus.
- Direct readings are below 50 ppm on the PID.

Level D Protection

Personnel protective equipment:

- Coveralls
- Gloves*
- Boots/shoes, leather or chemical-resistant, steel toe and shank.
- Safety glasses or chemical splash goggles*
- Hard hat (face shield*)
- Escape mask*

(*) optional

Criteria for Selection of Level D Protection

Meeting any of these criteria allows use of Level D Protection:

- No contaminant levels above 5 ppm organic vapors or dusty conditions are present.
- Work functions preclude splashes, immersion, or the reasonable potential for unexpected inhalation of any chemicals above the TLV.

Additional Considerations for Selecting Levels of Protection

Other factors which will be considered in selecting the appropriate level of protection are heat and physical stress. The use of protective clothing and respirators increases physical stress, in particular, heat stress on the wearer. Chemical protective clothing greatly reduces natural ventilation and diminishes the body's ability to regulate its temperature. Even in moderate ambient temperatures, the diminished capacity of the body to dissipate heat can result in one or more heat-related problems.

All chemical protective garments can be a contributing factor to heat stress. Greater susceptibility to heat stress occurs when protective clothing requires the use of a tightly fitted hood against the respirator face piece, or when gloves or boots are taped to the suit. As more body area is covered, less cooling takes place, increasing the probability of heat stress.

Wearing protective equipment also increases the risk of accidents. It is heavy, cumbersome, decreases dexterity, agility, interferes with vision, and is fatiguing to wear. These factors all increase physical stress and the potential for accidents. In particular, the necessity of selecting a level of protection will be balanced against the increased probability of heat stress and accidents.

7.2 Donning and Doffing Ensembles

Donning an Ensemble

A routine will be established and practiced periodically for donning a Level C ensemble. Assistance may be provided for donning and doffing since these operations are difficult to perform alone. Donning will be completed in the decontamination zone.

Table 7.2.1 lists sample procedures for donning a Level C ensemble. These procedures should be modified depending on the particular type of suit and/or when extra gloves and/or boots are used.

Doffing an Ensemble

Exact procedures for removing Level C ensembles must be established and followed to prevent contaminant migration from the work area and transfer of contaminants to the wearer's body, the doffing assistant, and others. Doffing will be completed in the decontamination zone.

Doffing procedures are provided in Table 7.2.2. These procedures should be performed only after decontamination of the suited worker. They require a suitably attired assistant. Throughout the procedures, both worker and assistant should avoid any direct contact with the outside surface of the suit.

7.3 Respirator Fit Testing

The fit or integrity of the facepiece-to-face seal of a respirator affects its performance. Most facepieces fit only a certain percentage of the population; thus each facepiece must be tested on the potential wearer in order to ensure a tight seal. Facial features such as scars, hollow temples, very prominent cheekbones, deep skin creases, dentures or missing teeth, and the chewing of gum and tobacco may interfere with the respirator-to-face seal. Facial hair in the seal area may also interfere with the respirator-to-face seal and should be removed prior to entry into the work zone. A respirator shall not be worn when such conditions prevent a good seal. The worker's diligence in observing these factors shall be evaluated by periodic checks. Fit testing will comply with 29 CFR 1910.1025 regulations.

TABLE 7.2.1
SAMPLE DONNING PROCEDURES

1. Inspect the clothing and respiratory equipment before donning (see Inspection in subsection 7.4).

2. Adjust hard hat or headpiece if worn, to fit user's head.

3. Standing or sitting, step into the legs of the suit; ensure proper placement of the feet within the suit; then gather the suit around the waist.

4. Put on chemical-resistant safety boots over the feet of the suit. Tape the leg cuff over the tops of the boots.

5. Don the respirator and adjust it to be secure, but comfortable.

6. Perform negative and positive respirator facepiece seal test procedures.

   - To conduct a negative-pressure test, close the inlet part with the palm of the hand or squeeze the breathing tube so it does not pass air, and gently inhale for about 10 seconds. Any inward rushing of air indicates a poor fit. Note that a leaking facepiece may be drawn tightly to the face to form a good seal, giving a false indication of adequate fit.

   - To conduct a positive-pressure test, gently exhale while covering the exhalation valve to ensure that a positive pressure can be built up. Failure to build a positive pressure indicates a poor fit.

7. Depending on type of suit:

   - Put on inner gloves (surgical gloves).

   - Additional overgloves, worn over attached suit gloves, may be donned later.

8. Put on hard hat

9. Have assistant observe the wearer for a period of time to ensure that the wearer is comfortable, psychologically stable, and that the equipment is functioning properly.

TABLE 7.2.2
DOFFING PROCEDURES

1. Remove any extraneous or disposable clothing, boot covers, outer gloves, and tape.

2. Remove respirator by loosening straps and pulling straps over the top of the head and move mask away from head. Do not pull mask over the top of the head.

3. Remove arms, one at a time, from suit, avoiding any contact between the outside surface of the suit and wearer's body and lay the suit out flat behind the wearer. Leave internal gloves on, if any.

4. Sitting, if possible, remove both legs from the suit.

5. After suit is removed, remove internal gloves by rolling them off the hand, inside out.

7.4 Inspection

The PPE inspection program will entail five different inspections:

- Inspection and operational testing of equipment received from the factory or distributor.
- Inspection of equipment as it is issued to workers.
- Inspection after use.
- Periodic inspection of stored equipment.
- Periodic inspection when a question arises concerning the appropriateness of the selected equipment, or when problems with similar equipment arise.

The inspection checklist is provided in Table 7.4.1. Records will be kept of all inspection procedures. Individual identification numbers will be assigned to all reusable pieces of equipment and records should be maintained by that number. At a minimum, each inspection should record the ID number, date, inspector, and any unusual conditions or findings. Periodic review of these records may indicate an item or type of item with excessive maintenance costs or a particularly high level of down-time.

7.5 Storage

Clothing and respirators will be stored properly to prevent damage or malfunction due to exposure to dust, moisture, sunlight, damaging chemicals, extreme temperatures, and impact. Storage procedures are as follows:

TABLE 7.4.1
PPE INSPECTION CHECKLIST

CLOTHING

Before use:

- Determine that the clothing material is correct for the specified task at hand.
- Visually inspect for:
  - imperfect seams
  - non-uniform coatings
  - tears
  - malfunctioning closures
- Hold up to light and check for pinholes.
- Flex product:
  - observe for cracks or other signs of shelf deterioration
- If the product has been used previously, inspect inside and out for signs of chemical attack:
  - discoloration, swelling, stiffness

During the work task, periodically inspect for:

- Evidence of chemical attack such as discoloration, swelling, stiffening, and softening. Keep in mind, however, that chemical permeation can occur without any visible effects.
- Closure failure
- Tears
- Punctures
- Seam discontinuities

GLOVES

Before use:

- Pressurize glove to check for pinholes. Either blow into glove, then roll gauntlet toward fingers or inflate glove and hold under water. In either case, no air should escape.

AIR-PURIFYING RESPIRATORS

- Inspect air-purifying respirators:
  - before each use to be sure they have been adequately cleaned
- Check material conditions for:
  - signs of pliability, deterioration, distortion
- Examine cartridges to ensure that:
  - they are the proper type for the intended use
  - the expiration date has not been passed
  - they have not been opened or used previously
- Check faceshields and lenses for:
  - cracks, crazing, fogginess
- Air purifying respirators will be stored individually in resealable plastic bags.

Clothing:

- Potentially contaminated clothing will be stored in an area separate from street clothing.
- Potentially contaminated clothing will be stored in a well-ventilated area, with good air flow around each item, if possible.
- Different types and material of clothing and gloves will be stored separately to prevent issuing the wrong material by mistake.
- Protective clothing will be folded or hung in accordance with manufacturer's recommendations.

Respirators:

- Air-purifying respirators should be dismantled, washed, and placed in sealed plastic bags.

7.6 Maintenance

Specialized maintenance will be performed only by the factory or an authorized repair person. Routine maintenance, such as cleaning, will be performed by the personnel to whom the equipment is assigned. Respirators will be cleaned at the end of each day with alcohol pads or, preferably, by washing with warm soapy water.

7.7 Decontamination Methods

All personnel, clothing, equipment, and samples leaving the (potentially) contaminated, or work zone, area of the Site must be decontaminated to remove any harmful chemicals or infectious organisms that may have adhered to them. Decontamination methods either (1) physically remove contaminants (2) inactivate contaminants by chemical detoxification or disinfection/sterilization, or (3) remove contaminants by a combination of both physical and chemical means. In many cases, gross contamination can be removed by physical means involving dislodging/displacement, rinsing, wiping off, and evaporation. Contaminants that can be removed by physical means include dust, vapors, and volatile liquids. All reusable equipment will be decontaminated by rinsing in a bath of detergent and water (respirators, gloves to be reused). Monitoring equipment will be decontaminated by wiping with paper towels and water.

The effectiveness of the decontamination will be evaluated near the beginning of Site activities and will be modified if determined to be ineffective. Visual observation will be used for this purpose. The HSO will inspect decontaminated materials for discoloration, stains, corrosive effects, visible dirt, or other signs of possible residual contamination.

All disposable PPE will be discarded following use. All used PPE to be discarded will be placed in an appropriate receptacle for disposal.

SECTION 8.0
DECONTAMINATION PROCEDURES FOR SAMPLING EQUIPMENT

All non-dedicated sampling equipment shall be decontaminated prior to, and following, use at each sampling location. Decontamination procedures shall consist of the following:

1. Scrub equipment in a bath of low-phosphate detergent and potable water.

2. Potable water rinse.

3. Air dry.

4. Aluminum foil wrap, shiny side out, for transport.

Personal protective equipment decontamination has been discussed in Subsection 7.7.

All direct-push equipment and other equipment which has contacted Site soil, groundwater, or soil vapor will be decontaminated prior to leaving the Site. Decontamination of this equipment will consist of physically removing adhering soil using hand tools followed by rinsing the equipment with potable water. Decontamination will be performed in the immediate vicinity of the work area so that the removed soil and rinseate will be discharged in the area from which it originated.

SECTION 9.0
CALIBRATION PROCEDURES, FREQUENCIES, AND MAINTENANCE

This section summarizes the calibration procedures, frequencies, and maintenance for the health and safety field monitoring instruments. The manufacturer's owner's manuals for all monitoring equipment to be used will be present at the Site and will be followed.

The monitoring equipment will include a photoionization detector (PID) which measures the concentration of airborne ionizable gases and vapors. The PID does not distinguish between individual compounds and will not read methane. The PID calibration will be performed using ambient air to “zero” the instrument and a 95 to 100 ppm cylinder of isobutylene to calibrate the span. The calibration will be performed in accordance with the manufacturer’s instructions.

Additional monitoring instruments may include a dust monitor, a noise monitor, and other equipment, as necessary. All instruments will be calibrated prior to the commencement of each day's work in accordance with the manufacturer’s instructions. The instruments will also be charged overnight prior to each day's work. Maintenance will be performed periodically as needed and in accordance with the manufacturer’s instructions.

SECTION 10.0
EMERGENCY RESPONSE PLAN

This section will present the Emergency Response Plan (ERP) for the Site. Pre-emergency planning will consist of reviewing the ERP with all workers at the Site prior to initiation of work.

Personnel Roles

It is anticipated that during sampling activities at the Site several persons, including the HSO and contractor personnel, will be onsite. Should an emergency situation arise at the Site, the HSO will assume control and decision-making. The HSO will also resolve all disputes concerning health and safety requirements and precautions. The HSO will also:

- Be authorized to seek and purchase supplies as necessary.
- Have control over activities of everyone entering the Site.

The HSO will communicate, by field telephone or other, with off-Site personnel to include the Project Manager to evaluate data and assist in the decision-making process. Phone numbers for the fire department, police, ambulance, poison control center, NYS Spills Hotlines, are listed in Table 1.2.1 of this document. The hospital which will be utilized during an emergency will be Jamaica Hospital Medical Center in Jamaica. The directions to the hospital, along with the hospital's emergency room phone number are presented in Table 1.2.1. Copies of Table 1.2.1 will be available at the Site and will be placed in all vehicles of personnel involved in activities at the Site.

Internal communications will consist of a single whistle (or compressed air horn if Level C is donned) blast. This blast will signal all workers to evacuate the work zone by the nearest exit.

Response Follow-Up

Following an emergency, or incident, a detailed report will be generated by the HSO. All equipment will be restored to pre-emergency conditions. The HASP will be reviewed following an emergency to determine if it provides adequate information to assist in dealing with the emergency. The HASP may be revised to incorporate additional information as needed.

Emergency Recognition and Prevention

Before daily work assignments begin, each day a brief on-Site meeting will be held by the HSO which will address health and safety issues related to the day's work. Prior to initiation of work, a detailed on-Site health and safety meeting will be held to review all potential hazards, contingencies, and safety measures.

Safe Distances and Places of Refuge

The main potential cause of work zone evacuation is a significant vapor release. Vapor release evacuation will be discussed prior to subsurface activities at the Site and in general will be in the upwind direction. Wind direction will be monitored at each work location and all workers will be notified of the direction of evacuation prior to commencement of work. Safe distances will be discussed at each location and determined by the HSO. The PID will be used to determine if workers have evacuated a

sufficient distance.

At all times, vehicles which may be utilized in an emergency for transport to the hospital (or other destination) will have clear access to leave the Site. The HSO will assure that an emergency vehicle does not become blocked-in by other vehicles.

Site Security and Control

The HSO will control entry of personnel into the work zone. No unnecessary persons shall be permitted in the work zone.

Decontamination Procedures During Emergencies

In the event of a medical emergency, decontamination will be performed if it does not interfere with essential treatment. Decontamination will be performed by washing, rinsing, and/or cutting off protective clothing and equipment.

If decontamination cannot be performed, the victim will be wrapped in plastic to reduce contamination to other personnel. Emergency and off-Site medical personnel will be alerted to the potential contamination.

Emergency Medical Treatment and First Aid

Medical emergencies will be treated, in general, by medical experts by transporting the victim to the nearby hospital. A first aid kit will be present on Site for minor medical treatment.

APPENDIX A

MATERIAL SAFETY DATA SHEETS

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATHESON TRI-GAS, INC.
150 Allen Road Suite 302
Basking Ridge, New Jersey 07920
Information: 1-800-416-2505

Emergency Contact:
CHEMTREC 1-800-424-9300
Calls Originating Outside the US:
703-527-3887 (Collect Calls Accepted)

SUBSTANCE: TRICHLOROETHYLENE

TRADE NAMES/SYNONYMS:
MTG MSDS 199; ACETYLENE TRICHLORIDE; ETHYLENE TRICHLORIDE; 1-CHLORO-2,2-DICHLOROETHYLENE; 1,1-DICHLORO-2-CHLOROETHYLENE; TCE; ETHINYL TRICHLORIDE; TRICHLOROETHENE; 1,1,2-TRICHLOROETHYLENE; 1,1,2-TRICHLOROETHENE; UN 1710; RCRA U228; C2HCl3; MAT23850; RTECS KX4550000

CHEMICAL FAMILY: halogenated, alkenes

CREATION DATE: Jan 24 1989
REVISION DATE: Dec 11 2008

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: TRICHLOROETHYLENE
CAS NUMBER: 79-01-6
PERCENTAGE: >99

COMPONENT: INHIBITORS
CAS NUMBER: Not assigned.
PERCENTAGE: <0.1

COMPONENT: AMINES
CAS NUMBER: Not assigned.
PERCENTAGE: <0.1

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=1 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: colorless
PHYSICAL FORM: liquid
ODOR: sweet odor
MAJOR HEALTH HAZARDS: respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, allergic reactions, cancer hazard (in humans)
PHYSICAL HAZARDS: May polymerize. Containers may rupture or explode. May decompose on contact with air, light, moisture, heat or storage and use above room temperature. Releases toxic, corrosive, flammable or explosive gases.

POTENTIAL HEALTH EFFECTS:
INHALATION:
SHORT TERM EXPOSURE: irritation, changes in blood pressure, nausea, vomiting, stomach pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, mood swings, tremors, loss of coordination, visual disturbances, bluish skin color, lung congestion, kidney damage, liver damage, unconsciousness, coma
LONG TERM EXPOSURE: same as effects reported in short term exposure, loss of appetite, weight loss, blood disorders, brain damage, cancer
SKIN CONTACT:
SHORT TERM EXPOSURE: irritation, allergic reactions
LONG TERM EXPOSURE: irritation, allergic reactions, nausea, loss of appetite, weight loss, difficulty breathing, headache, drowsiness, dizziness, joint pain, loss of coordination, visual disturbances, paralysis
EYE CONTACT:
SHORT TERM EXPOSURE: irritation (possibly severe), blurred vision
LONG TERM EXPOSURE: irritation (possibly severe), eye damage
INGESTION:
SHORT TERM EXPOSURE: same as effects reported in short term inhalation
LONG TERM EXPOSURE: same as effects reported in long term inhalation

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

INGESTION: If vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.

NOTE TO PHYSICIAN: For ingestion, consider gastric lavage. Consider oxygen.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard.

EXTINGUISHING MEDIA: carbon dioxide, regular dry chemical

Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING: Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile).

FLASH POINT: No data available.
LOWER FLAMMABLE LIMIT: 7.8% @ 100 C
UPPER FLAMMABLE LIMIT: 52% @ 100 C
AUTOIGNITION: 770 F (410 C)

6. ACCIDENTAL RELEASE MEASURES

AIR RELEASE:
Reduce vapors with water spray. Collect runoff for disposal as potential hazardous waste.

SOIL RELEASE:
Dig holding area such as lagoon, pond or pit for containment. Dike for later disposal. Absorb with sand or other non-combustible material.

WATER RELEASE:
Absorb with activated carbon. Remove trapped material with suction hoses. Collect spilled material using mechanical equipment. Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

OCCUPATIONAL RELEASE:
Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Small liquid spills: Absorb with sand or other non-combustible material. Large spills: Dike for later disposal. Remove sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

7. HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Keep separated from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:
TRICHLOROETHYLENE:
100 ppm OSHA TWA
200 ppm OSHA ceiling
300 ppm OSHA peak (5 minutes in any 2 hours)
50 ppm (269 mg/m3) OSHA TWA (vacated by 58 FR 35338, June 30, 1993)
200 ppm (1070 mg/m3) OSHA STEL (vacated by 58 FR 35338, June 30, 1993)
10 ppm ACGIH TWA
25 ppm ACGIH STEL
25 ppm NIOSH TWA 10 hour(s)
2 ppm NIOSH ceiling 60 minute(s) (used as halogenated anesthetic gas)

VENTILATION: Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA.
At any detectable concentration -
Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Escape -
Any air-purifying full-facepiece respirator (gas mask) with a chin-style, front-mounted or back-mounted organic vapor canister.
Any appropriate escape-type, self-contained breathing apparatus.
For Unknown Concentrations or Immediately Dangerous to Life or Health -
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid
COLOR: colorless
ODOR: sweet odor
MOLECULAR WEIGHT: 131.39
MOLECULAR FORMULA: Cl-C-H-C-Cl2
BOILING POINT: 189 F (87 C)
FREEZING POINT: -99 F (-73 C)
VAPOR PRESSURE: 58 mmHg @ 20 C
VAPOR DENSITY (air=1): 4.53
SPECIFIC GRAVITY (water=1): 1.4642
WATER SOLUBILITY: 0.1%
PH: Not available
VOLATILITY: Not available
ODOR THRESHOLD: 21 ppm
EVAPORATION RATE: 0.69 (carbon tetrachloride=1)
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available
SOLVENT SOLUBILITY:
Soluble: alcohol, ether, acetone, chloroform, benzene, vegetable oils

10. STABILITY AND REACTIVITY

REACTIVITY: May decompose on contact with air, light, moisture, heat or storage and use above room temperature. Releases toxic, corrosive, flammable or explosive gases.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

INCOMPATIBILITIES: bases, metals, combustible materials, oxidizing materials

HAZARDOUS DECOMPOSITION:
Thermal decomposition products: phosgene, halogenated compounds, oxides of carbon

POLYMERIZATION: May polymerize. Avoid contact with heat or light and monitor inhibitor content.

11. TOXICOLOGICAL INFORMATION

TRICHLOROETHYLENE:
IRRITATION DATA: 2 mg/24 hour(s) skin-rabbit severe; 20 mg/24 hour(s) eyes-rabbit moderate
TOXICITY DATA: 140700 mg/m3/1 hour(s) inhalation-rat LC50; >20 gm/kg skin-rabbit LD50; 4920 mg/kg oral-rat LD50
CARCINOGEN STATUS: NTP: Anticipated Human Carcinogen; IARC: Human Limited Evidence,

Animal Sufficient Evidence, Group 2A; ACGIH: A2 -Suspected Human Carcinogen
LOCAL EFFECTS:
Irritant: inhalation, skin, eye
ACUTE TOXICITY LEVEL:
Moderately Toxic: ingestion
Slightly Toxic: inhalation
Relatively Non-toxic: dermal absorption
TARGET ORGANS: immune system (sensitizer), central nervous system
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: heart problems
TUMORIGENIC DATA: Available.
MUTAGENIC DATA: Available.
REPRODUCTIVE EFFECTS DATA: Available.
ADDITIONAL DATA: May cross the placenta. Stimulants such as epinephrine may induce ventricular fibrillation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:
FISH TOXICITY: 3100 ug/L 96 hour(s) LC50 (Mortality) Flagfish (Jordanella floridae)

INVERTEBRATE TOXICITY: 1700 ug/L 7 hour(s) EC50 (Regeneration) Flatworm (Dugesia japonica)

OTHER TOXICITY: 45000 ug/L 48 week(s) LC50 (Mortality) Clawed toad (Xenopus laevis)

FATE AND TRANSPORT:
BIOCONCENTRATION: 17 ug/L 1-14 hour(s) BCF (Residue) Bluegill (Lepomis macrochirus) 8.23 ug/L

13. DISPOSAL CONSIDERATIONS

Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U228. Hazardous Waste Number(s): D040. Dispose of in accordance with U.S. EPA 40 CFR 262 for concentrations at or above the Regulatory level. Regulatory level- 0.5 mg/L. Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:
PROPER SHIPPING NAME: Trichloroethylene
ID NUMBER: UN1710
HAZARD CLASS OR DIVISION: 6.1
PACKING GROUP: III
LABELING REQUIREMENTS: 6.1

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:
SHIPPING NAME: Trichloroethylene
UN NUMBER: UN1710
CLASS: 6.1
PACKING GROUP/CATEGORY: III

15. REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):
TRICHLOROETHYLENE: 100 LBS RQ

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355 Subpart B): Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355 Subpart C): Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370 Subparts B and C):
ACUTE: Yes
CHRONIC: Yes
FIRE: No
REACTIVE: No
SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65):
TRICHLOROETHYLENE

OSHA PROCESS SAFETY (29 CFR 1910.119): Not regulated.

STATE REGULATIONS:
California Proposition 65:
Known to the state of California to cause the following:
TRICHLOROETHYLENE
Cancer (Apr 01, 1988)

CANADIAN REGULATIONS:
WHMIS CLASSIFICATION: D2

NATIONAL INVENTORY STATUS:
U.S. INVENTORY (TSCA): Listed on inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDSL): Not determined.

16. OTHER INFORMATION

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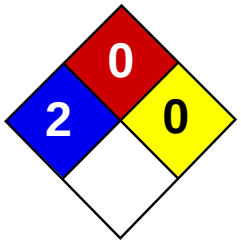

Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:29 PM

Last Updated: 05/21/2013 12:00 PM

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Monsanto
Material Safety Data

POLYCHLORINATED BIPHENYLS (PCBs)

Emergency Phone No.
(Call Collect)
314-694-1000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYCHLORINATED BIPHENYLS (PCBs)
Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268
Therminol® FR Series

MSDS Number: M00018515 Date: 12/95

Chemical Family: Chlorinated Hydrocarbons
Chemical Name: Polychlorinated biphenyls
Synonyms: PCBs, Chlorodiphenyls, Chlorinated biphenyls

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® is the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Japanese companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ST. LOUIS, MO 63167

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 202-483-7616 (collect calls accepted)

For additional nonemergency information, call: 314-694-3344.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many isomers and compounds that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic, and other industrial fluids, plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl	1336-36-3
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 1262	37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Aroclor® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Seventh).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids. They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section 9 for details.

WARNING!
CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Skin contact and inhalation of heated vapors

Eye Contact: Causes moderate irritation based on worker experience.

Skin Contact: Prolonged or repeated contact may result in redness, dry skin and defatting based on human experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin.

Inhalation: Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce a vapor that may cause respiratory tract irritation if inhaled based on human experience.

Ingestion: No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or vomiting.

Other: Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCl), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

Flash Point: 284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Fire Point: 349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing Media: Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or transformer cool.

PCBs are fire-resistant compounds. They may decompose to form CO, CO2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzofurans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered with fire response personnel.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

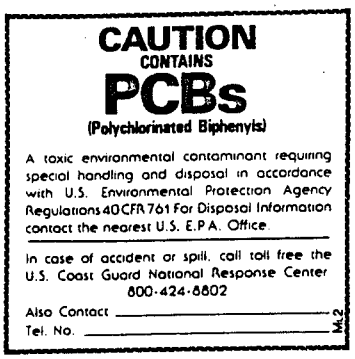
Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

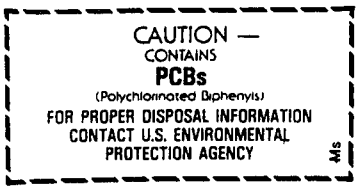
Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).





Storage: The storage of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear chemical splash goggles and have eye baths available where there is significant potential for eye contact.

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection: Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open process equipment.

Airborne Exposure Limits:

Product: Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 1 mg/m^3 8-hour time-weighted average - Skin*

Product: Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 0.5 mg/m^3 8-hour time-weighted average - Skin*

*For Skin notation see Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Government Industrial Hygienists, 1995-1996.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES OF SELECTED AROCLORS®							
PROPERTY	**1016**	**1221**	**1232**	**1242**	**1248**	**1254**	**1260**
Color (APHA)	40	100	100	100	100	100	150
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous liquid	sticky resin
Stability	inert	inert	inert	inert	inert	inert	inert
Density (lb/gal 25°C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1.27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55-1.56 x-90°
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none
Vapor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA
Viscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800-2500 390-540	— —

NA—*Not Available*

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.
Materials to Avoid: None
Hazardous Decomposition
Products: PCBs may decompose to form CO, CO_2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surface.
Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below.
Single exposure (acute) studies indicate:
Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in monkeys. The National Cancer Institute (NCI) performed a study in 1977 using Aroclor 1254 with both sexes of rats. NCI stated that the PCB, Aroclor 1254, was not carcinogenic under the conditions of their bioassay. There is sufficient evidence in the scientific literature to conclude that Aroclor 1260 can cause liver cancer when fed to rodents at high doses. Similar experiments with less chlorinated PCB products have produced negative or equivocal results.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed population, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Seventh Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:	IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING CLASSIFICATION AND LABEL APPLY.	
DOT Label:	LIQUID:	Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB), 9, UN 3082, III
	SOLID:	Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB), 9, UN 3077, III
DOT Label:	Class: 9	
DOT Reportable Quantity:	One Pound	
IMO Classification:	Polychlorinated Biphenyls, IMO Class 9, UN 2315, II IMO Page 9034, EMS 6.1-02	
IATA/ICAO Classification:	Polychlorinated Biphenyls, 9, UN2315, II	

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA Inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed.
SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR) and CERCLA Regulations: 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

Reason for revision: Conversion to the 16 section format. Supersedes MSDS dated 10/88.

Therminol®, Aroclor® and Pydraul® are registered trademarks of Monsanto Company
Pyranol® is a registered trademark of General Electric Company
Inerteen® is a registered trademark of Westinghouse Electric Corporation

FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

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United States Environmental Protection Agency
Office of Solid Waste Washington, DC 20460
January 2008

Polycyclic Aromatic Hydrocarbons (PAHs)

What are PAHs?

Short for polycyclic aromatic hydrocarbons, PAHs describe chemicals that are often found together in groups of two or more. PAHs are found naturally in the environment but they can also be man-made. In their purest form, PAHs are solid and range in appearance from colorless to white or pale yellow-green. PAHs are created when products like coal, oil, gas, and garbage are burned but the burning process is not complete. Although PAHs can exist in over 100 different combinations, the National Waste Minimization Program defines this group using the Toxic Release Inventory reporting category for polycyclic aromatic compounds.

Chemicals included in this category, by name and CAS number, are:

1. Benzo(a)anthracene, 56-55-3
2. Benzo(a)phenanthrene (chrysene), 218-01-9
3. Benzo(a)pyrene, 50-32-8
4. Benzo(b)fluoranthene, 205-99-2
5. Benzo(j)fluoranthene, 205-82-3
6. Benzo(k)fluoranthene, 207-08-9
7. Benzo(j,k)fluorene (fluoranthene), 206-44-0
8. Benzo(r,s,t)pentaphene, 189-55-9
9. Dibenz(a,h)acridine, 226-36-8
10. Dibenz(a,j)acridine, 224-42-0
11. Dibenzo(a,h)anthracene, 53-70-3
12. Dibenzo(a,e)fluoranthene, 5385-75-1
13. Dibenzo(a,e)pyrene, 192-65-4
14. Dibenzo(a,h)pyrene, 189-64-0
15. Dibenzo(a,l)pyrene, 191-30-0
16. 7H-Dibenzo(c,g)carbazole, 194-59-2
17. 7,12-Dimethylbenz(a)anthracene, 57-97-6
18. Indeno(1,2,3-cd)pyrene 193-39-5
19. 3-Methylcholanthrene, 56-49-5
20. 5-Methylchrysene, 3697-24-3
21. 1-Nitropyrene, 5522-43-0

It should be noted that some PAHs are listed individually on EPA's Priority Chemical list. They are:

1. Acenaphthene, 83-32-9
2. Acenaphtylene, 208-96-8
3. Anthracene, 120-12-7
4. Benzo(g,h,i)perylene, 191-24-2
5. Fluorene, 86-73-7
6. Phenanthrene, 85-01-8
7. Pyrene, 129-00-0

Why are PAHs bad actors?

PAHs are a concern because they are persistent. Because they do not burn very easily, they can stay in the environment for long periods of time. Individual PAHs vary in behavior. Some can turn into a vapor in the air very easily. Most do not break down easily in the water.

What are PAHs used for?

Most PAHs are used to conduct research. However, some PAHs are used to make dyes, plastics, and pesticides. Some are even used in medicines.

How can PAHs enter and leave your body?

One of the most common ways PAHs can enter the body is through breathing contaminated air. PAHs get into your lungs when you breathe them. If you live near a hazardous waste site where PAHs are disposed, you are likely to breathe PAHs. If you eat or drink food and water contaminated with PAHs, you could be

exposed. Exposure to PAHs can also occur if your skin contacts PAH-contaminated soil or products like heavy oils, coal tar, roofing tar, or creosote. Creosote is an oily liquid found in coal tar and is used to preserve wood. Once in your body, PAHs can spread and target fat tissues. Target organs include the kidneys and liver. However, PAHs will leave your body through urine and feces in a matter of days.

How can you be exposed to PAHs?

You can be exposed to PAHs in the environment, in your home, and in the workplace. Because PAHs exist naturally in the environment and are man-made, you can be exposed in a number of ways. Fumes from vehicle exhaust, coal, coal tar, asphalt, wildfires, agricultural burning and hazardous waste sites are all sources of exposure.

You could be exposed to PAHs by breathing cigarette and tobacco smoke, eating foods grown in contaminated soil, or by eating meat or other food that you grilled. Grilling and charring food actually increases the amount of PAHs in the food.

If you work in a plant that makes coal tar, asphalt and aluminum, or that burns trash, you can be exposed to PAHs. You can also be exposed if you work in a facility that uses petroleum or coal, or where wood, corn, and oil are burned.

How can PAHs affect your health?

A number of PAHs have caused tumors in laboratory animals that were exposed to PAHs through their food, from breathing contaminated air, and when it was applied to their skin. When pregnant mice ate high doses of a PAH (benzo(a)pyrene) they experienced reproductive problems. In addition, the offspring of the pregnant mice showed birth defects and a decrease in their body weight. Other effects include damage to the skin, body fluids, and the immune system. However, these effects have not been seen in humans.

Is there a medical test to determine if you have been exposed to PAHs?

There is a test that can measure the presence of PAH in your urine. This test can only tell you if you have been exposed; but it can't reveal how harmful the effects of the exposure will be. This test would have to be performed in a laboratory that has special equipment to detect the PAHs. Another test currently being developed will be able to measure PAHs in your body tissue and blood.

What are the medical treatments in cases of exposure?

Most exposures to PAHs happen every day at very low levels in the air we breathe and the foods we eat. Treatment for a short-term exposure is unlikely. Contact your doctor if you experience symptoms of PAHs poisoning.

What levels of exposure have resulted in harmful health effects?

There is no information available from studies on humans to tell what effects can result from being exposed to individual PAHs at certain levels. However, breathing PAHs and skin contact seem to be associated with cancer in humans. Animal studies showed that mice exposed to 308 parts per million (ppm) of PAHs (specifically benzo (a) pyrene) in food for 10 days (short term exposure) caused birth defects. Mice exposed to 923 ppm of benzo (a) pyrene in food for months caused problems in the liver and blood.

Where can I get more information?

Contact your state health or environmental department, or:

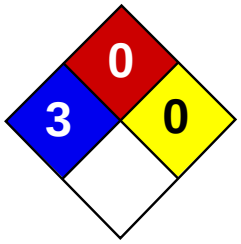
Agency for Toxic Substances and Disease Registry
Division of Toxicology
1600 Clifton Road, N.E., E-29
Atlanta, Georgia 30333

References

1. Agency for Toxic Substances and Disease

Registry (ATSDR), Public Health Statement, *Polycyclic Aromatic Hydrocarbons, December 1990.* U.S. Public Health Service, U.S. Department of Health and Human Services, Atlanta, GA, December 1990.

2. United States Environmental Protection Agency, Office of Environmental Information, *Emergency Planning and Community Right-to-Know Act – Section 313: Guidance for Reporting Toxic Chemicals: Polycyclic Aromatic Compounds Category*, EPA 260-B-01-03, Washington, DC, August 2001.



Health	3
Fire	0
Reactivity	0
Personal Protection	

Material Safety Data Sheet
Mercury MSDS

Section 1: Chemical Product and Company Identification

Product Name: Mercury

Catalog Codes: SLM3505, SLM1363

CAS#: 7439-97-6

RTECS: OV4550000

TSCA: TSCA 8(b) inventory: Mercury

CI#: Not applicable.

Synonym: Quick Silver; Colloidal Mercury; Metallic Mercury; Liquid Silver; Hydragyrum

Chemical Name: Mercury

Chemical Formula: Hg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Mercury	7439-97-6	100

Toxicological Data on Ingredients: Mercury LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
When thrown into mercury vapor, boron phosphodiiodide ignites at once. Flame forms with chlorine jet over mercury surface at 200 deg to 300 deg C. Mercury undergoes hazardous reactions in the presence of heat and sparks or ignition.

Special Remarks on Explosion Hazards:
A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. CHLORINE DIOXIDE & LIQUID HG, WHEN MIXED, EXPLODE VIOLENTLY. Mercury and Ammonia can produce an

explosive compound. A mixture of the dry carbonyl and oxygen will explode on vigorous shaking with mercury. Methyl azide in the presence of mercury was shown to be potentially explosive.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.025 from ACGIH (TLV) [United States] SKIN TWA: 0.05 CEIL: 0.1 (mg/m3) from OSHA (PEL) [United States] Inhalation TWA: 0.025 (mg/m3) [United Kingdom (UK)] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Heavy liquid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 200.59 g/mole

Color: Silver-white

pH (1% soln/water): Not available.

Boiling Point: 356.73°C (674.1°F)

Melting Point: -38.87°C (-38°F)

Critical Temperature: 1462°C (2663.6°F)

Specific Gravity: 13.55 (Water = 1)

Vapor Pressure: Not available.

Vapor Density: 6.93 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Ground mixtures of sodium carbide and mercury, aluminum, lead, or iron can react vigorously. A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. Incompatible with boron diiodophosphide; ethylene oxide; metal oxides, metals(aluminum, potassium, lithium, sodium, rubidium); methyl azide; methylsilane, oxygen; oxidants(bromine, peroxyformic acid, chlorine dioxide, nitric acid, tetracarbonynickel, nitromethane, silver perchlorate, chlorates, sulfuric acid, nitrates,); tetracarbonylnickel, oxygen, acetylinic compounds, ammonia, ethylene oxide, methylsiliane, calcium,

Special Remarks on Corrosivity:
The high mobility and tendency to dispersion exhibited by mercury, and the ease with which it forms alloys (amalga) with many laboratory and electrical contact metals, can cause severe corrosion problems in laboratories. Special precautions: Mercury can attack copper and copper alloy materials.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material. May cause cancer based on animal data. Passes through the placental barrier in animal. May cause adverse reproductive effects(paternal effects- spermatogenesis; effects on fertility - fetotoxicity, post-implantation mortality), and birth defects.

Special Remarks on other Toxic Effects on Humans:

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Mercury UNNA: 2809 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Mercury California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Mercury Connecticut hazardous material survey.: Mercury Illinois toxic substances disclosure to employee act: Mercury Illinois chemical safety act: Mercury New York acutely hazardous substances: Mercury Rhode Island RTK hazardous substances: Mercury Pennsylvania RTK: Mercury Minnesota: Mercury Massachusetts RTK: Mercury New Jersey: Mercury New Jersey spill list: Mercury Louisiana spill reporting: Mercury California Director's List of Hazardous Substances.: Mercury TSCA 8(b) inventory: Mercury SARA 313 toxic chemical notification and release reporting: Mercury CERCLA: Hazardous substances.: Mercury: 1 lbs. (0.4536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.

DSCL (EEC):
R23- Toxic by inhalation. R33- Danger of cumulative effects. R38- Irritating to skin. R41- Risk of serious damage to eyes. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S2- Keep out of the

reach of children. S7- Keep container tightly closed. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label. S60- This material and its container must be disposed of as hazardous waste. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:22 PM

Last Updated: 06/09/2012 12:00 PM

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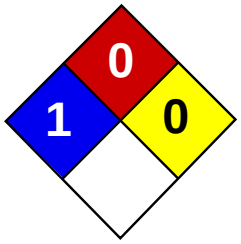

Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:21 PM

Last Updated: 06/09/2012 12:00 PM

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MATERIAL SAFETY DATA SHEET

Gasoline, All Grades **MSDS No. 9950**

EMERGENCY OVERVIEW
DANGER!
EXTREMELY FLAMMABLE - EYE AND MUCOUS MEMBRANE IRRITANT - EFFECTS CENTRAL NERVOUS SYSTEM - HARMFUL OR FATAL IF SWALLOWED - ASPIRATION HAZARD

NFPA 704 (Section 16)

High fire hazard. Keep away from heat, spark, open flame, and other ignition sources.

If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs). Contact may cause eye, skin and mucous membrane irritation. Harmful if absorbed through the skin. Avoid prolonged breathing of vapors or mists. Inhalation may cause irritation, anesthetic effects (dizziness, nausea, headache, intoxication), and respiratory system effects.

Long-term exposure may cause effects to specific organs, such as to the liver, kidneys, blood, nervous system, and skin. Contains benzene, which can cause blood disease, including anemia and leukemia.

1. CHEMICAL PRODUCT and COMPANY INFORMATION

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

EMERGENCY TELEPHONE NUMBER (24 hrs): **CHEMTREC (800)424-9300**
COMPANY CONTACT (business hours): Corporate Safety (732)750-6000
MSDS (Environment, Health, Safety) Internet Website www.hess.com

SYNONYMS: Hess Conventional (Oxygenated and Non-oxygenated) Gasoline; Reformulated Gasoline (RFG); Reformulated Gasoline Blendstock for Oxygenate Blending (RBOB); Unleaded Motor or Automotive Gasoline

See Section 16 for abbreviations and acronyms.

2. COMPOSITION and INFORMATION ON INGREDIENTS *

INGREDIENT NAME (CAS No.)	CONCENTRATION PERCENT BY WEIGHT
Gasoline (86290-81-5)	100
Benzene (71-43-2)	0.1 - 4.9 (0.1 - 1.3 reformulated gasoline)
n-Butane (106-97-8)	< 10
Ethyl Alcohol (Ethanol) (64-17-5)	0 - 10
Ethyl benzene (100-41-4)	< 3
n-Hexane (110-54-3)	0.5 to 4
Methyl-tertiary butyl ether (MTBE) (1634-04-4)	0 to 15.0
Tertiary-amyl methyl ether (TAME) (994-05-8)	0 to 17.2
Toluene (108-88-3)	1 - 25
1,2,4- Trimethylbenzene (95-63-6)	< 6
Xylene, mixed isomers (1330-20-7)	1 - 15

A complex blend of petroleum-derived normal and branched-chain alkane, cycloalkane, alkene, and aromatic hydrocarbons. May contain antioxidant and multifunctional additives. Non-oxygenated Conventional Gasoline and RBOB do not have oxygenates (Ethanol or MTBE and/or TAME).

Oxygenated Conventional and Reformulated Gasoline will have oxygenates for octane enhancement or as legally required.

3. HAZARDS IDENTIFICATION

EYES
Moderate irritant. Contact with liquid or vapor may cause irritation.

SKIN
Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly.

INGESTION
The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

INHALATION
Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

CHRONIC EFFECTS and CARCINOGENICITY
Contains benzene, a regulated human carcinogen. Benzene has the potential to cause anemia and other blood diseases, including leukemia, after repeated and prolonged exposure. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with systemic toxicity. See also Section 11 - Toxicological Information.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash). Chronic respiratory disease, liver or kidney dysfunction, or pre-existing central nervous system disorders may be aggravated by exposure.

4. FIRST AID MEASURES

EYES
In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

SKIN
Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

INGESTION

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

INHALATION
Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:	-45 ^{o}F (-43°C)
AUTOIGNITION TEMPERATURE:	highly variable; > 530 ^{o}F (>280 ^{o}C)
OSHA/NFPA FLAMMABILITY CLASS:	1A (flammable liquid)
LOWER EXPLOSIVE LIMIT (%):	1.4%
UPPER EXPLOSIVE LIMIT (%):	7.6%

FIRE AND EXPLOSION HAZARDS
Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. Flowing product may be ignited by self-generated static electricity. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

EXTINGUISHING MEDIA
SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

During certain times of the year and/or in certain geographical locations, gasoline may contain MTBE and/or TAME. Firefighting foam suitable for polar solvents is recommended for fuel with greater than 10% oxygenate concentration - refer to NFPA 11 “Low Expansion Foam - 1994 Edition.”

FIRE FIGHTING INSTRUCTIONS
Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.

6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY SPILL CONTINGENCY or EMERGENCY PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers. Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

7. HANDLING and STORAGE

HANDLING PRECAUTIONS

******USE ONLY AS A MOTOR FUEL******
******DO NOT SIPHON BY MOUTH******

Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents.

STORAGE PRECAUTIONS

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

EXPOSURE LIMITS

Component (CAS No.)	Source	TWA (ppm)	STEL (ppm)	Exposure Limits Note
Gasoline (86290-81-5)	ACGIH	300	500	A3
Benzene (71-43-2)	OSHA	1	5	Carcinogen
	ACGIH	0.5	2.5	A1, skin
	USCG	1	5	
n-Butane (106-97-8)	ACGIH	1000	--	Aliphatic Hydrocarbon Gases Alkane (C1-C4)
Ethyl Alcohol (ethanol) (64-17-5)	OSHA	1000	--	
	ACGIH	1000	--	A4
Ethyl benzene (100-41-4)	OSHA	100	--	
	ACGIH	100	125	A3
n-Hexane (110-54-3)	OSHA	500	--	
	ACGIH	50	--	Skin
Methyl-tertiary butyl ether [MTBE] (1634-04-4)	ACGIH	50		A3
Tertiary-amyl methyl ether [TAME] (994-05-8)				None established
Toluene (108-88-3)	OSHA	200		Ceiling: 300 ppm; Peak: 500 ppm (10 min.)
	ACGIH	20	--	A4
1,2,4- Trimethylbenzene (95-63-6)	ACGIH	25	--	
Xylene, mixed isomers (1330-20-7)	OSHA	100	--	
	ACGIH	100	150	A4

ENGINEERING CONTROLS

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

EYE/FACE PROTECTION

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

SKIN PROTECTION

Gloves constructed of nitrile or neoprene are recommended. Chemical protective clothing such as that made of of E.I. DuPont Tychem ®, products or equivalent is recommended based on degree of exposure.

Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

RESPIRATORY PROTECTION

A NIOSH-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection and limitations.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE

A translucent, straw-colored or light yellow liquid

ODOR
A strong, characteristic aromatic hydrocarbon odor. Oxygenated gasoline with MTBE and/or TAME may have a sweet, ether-like odor and is detectable at a lower concentration than non-oxygenated gasoline.

ODOR THRESHOLD

	Odor Detection	Odor Recognition
Non-oxygenated gasoline:	0.5 - 0.6 ppm	0.8 - 1.1 ppm
Gasoline with 15% MTBE:	0.2 - 0.3 ppm	0.4 - 0.7 ppm
Gasoline with 15% TAME:	0.1 ppm	0.2 ppm

BASIC PHYSICAL PROPERTIES

BOILING RANGE:	85 to 437 ^{o}F (39 to 200 ^{o}C)
VAPOR PRESSURE:	6.4 - 15 RVP @ 100 ^{o}F (38 ^{o}C) (275-475 mm Hg @ 68 ^{o}F (20 ^{o}C)
VAPOR DENSITY (air = 1):	AP 3 to 4
SPECIFIC GRAVITY (H_2O = 1):	0.70 – 0.78
EVAPORATION RATE:	10-11 (n-butyl acetate = 1)
PERCENT VOLATILES:	100 %
SOLUBILITY (H_2O):	Non-oxygenated gasoline - negligible (< 0.1% @ 77 ^{o}F). Gasoline with 15% MTBE - slight (0.1 - 3% @ 77 ^{o}F); ethanol is readily soluble in water

10. STABILITY and REACTIVITY)

STABILITY: Stable. Hazardous polymerization will not occur.

CONDITIONS TO AVOID
Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources

INCOMPATIBLE MATERIALS
Keep away from strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke). Contact with nitric and sulfuric acids will form nitrocresols that can decompose violently.

11. TOXICOLOGICAL PROPERTIES

ACUTE TOXICITY
Acute Dermal LD50 (rabbits): > 5 ml/kg
Acute Oral LD50 (rat): 18.75 ml/kg
Primary dermal irritation (rabbits): slightly irritating
Draize eye irritation (rabbits): non-irritating
Guinea pig sensitization: negative

CHRONIC EFFECTS AND CARCINOGENICITY
Carcinogenicity: OSHA: NO IARC: YES - 2B NTP: NO ACGIH: YES (A3)

IARC has determined that gasoline and gasoline exhaust are possibly carcinogenic in humans. Inhalation exposure to completely vaporized unleaded gasoline caused kidney cancers in male rats and liver tumors in female mice. The U.S. EPA has determined that the male kidney tumors are species-specific and are irrelevant for human health risk assessment. The significance of the tumors seen in female mice is not known. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with effects to the central and peripheral nervous systems, liver, and kidneys. The significance of these animal models to predict similar human response to gasoline is uncertain.

This product contains benzene. Human health studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-forming system (particularly bone marrow), and serious blood disorders such as aplastic anemia and leukemia. Benzene is listed as a human carcinogen by the NTP, IARC, OSHA and ACGIH.

This product may contain methyl tertiary butyl ether (MTBE): animal and human health effects studies indicate that MTBE may cause eye, skin, and respiratory tract irritation, central nervous system depression and neurotoxicity. MTBE is classified as an animal carcinogen (A3) by the ACGIH.

12. ECOLOGICAL INFORMATION

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations. If released, oxygenates such as ethers and alcohols will be expected to exhibit fairly high mobility in soil, and therefore may leach into groundwater. The API (www.api.org) provides a number of useful references addressing petroleum and oxygenate contamination of groundwater.

13. DISPOSAL CONSIDERATIONS

Consult federal, state and local waste regulations to determine appropriate disposal options.

14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Gasoline
DOT HAZARD CLASS and PACKING GROUP:	3, PG II
DOT IDENTIFICATION NUMBER:	UN 1203
DOT SHIPPING LABEL:	FLAMMABLE LIQUID

PLACARD:

15. REGULATORY INFORMATION

U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations; consult those regulations applicable to your facility/operation.

CLEAN WATER ACT (OIL SPILLS)

Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)

The CERCLA definition of hazardous substances contains a “petroleum exclusion” clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

SARA SECTION 311/312 - HAZARD CLASSES

ACUTE HEALTH	CHRONIC HEALTH	FIRE	SUDDEN RELEASE OF PRESSURE	REACTIVE
X	X	X	--	--

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

INGREDIENT NAME (CAS NUMBER)	CONCENTRATION WT. PERCENT
Benzene (71-43-2)	0.1 to 4.9 (0.1 to 1.3 for reformulated gasoline)
Ethyl benzene (100-41-4)	< 3

n-Hexane (110-54-3)	0.5 to 4
Methyl-tertiary butyl ether (MTBE) (1634-04-4)	0 to 15.0
Toluene (108-88-3)	1 to 15
1,2,4- Trimethylbenzene (95-63-6)	< 6
Xylene, mixed isomers (1330-20-7)	1 to 15

US EPA guidance documents (www.epa.gov/tri) for reporting Persistent Bioaccumulating Toxics (PBTs) indicate this product may contain the following deminimis levels of toxic chemicals subject to Section 313 reporting:

INGREDIENT NAME (CAS NUMBER)	CONCENTRATION - Parts per million (ppm) by weight
Polycyclic aromatic compounds (PACs)	17
Benzo (g,h,i) perylene (191-24-2)	2.55
Lead (7439-92-1)	0.079

CALIFORNIA PROPOSITION 65 LIST OF CHEMICALS

This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

INGREDIENT NAME (CAS NUMBER)	Date Listed
Benzene	2/27/1987
Ethyl benzene	6/11/2004
Toluene	1/1/1991

CANADIAN REGULATORY INFORMATION (WHMIS)

Class B, Division 2 (Flammable Liquid)
Class D, Division 2A (Very toxic by other means) and Class D, Division 2B (Toxic by other means)

16. OTHER INFORMATION

NFPA® HAZARD RATING	HEALTH:	1	Slight
	FIRE:	3	Serious
	REACTIVITY:	0	Minimal
HMIS® HAZARD RATING	HEALTH:	1 *	Slight
	FIRE:	3	Serious
	PHYSICAL:	0	Minimal
			* CHRONIC

SUPERSEDES MSDS DATED: 07/01/06

ABBREVIATIONS:

AP = Approximately	< = Less than	> = Greater than
N/A = Not Applicable	N/D = Not Determined	ppm = parts per million

ACRONYMS:

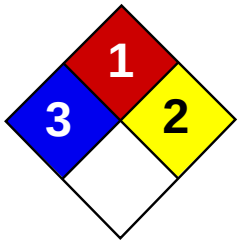
ACGIH	American Conference of Governmental Industrial Hygienists	CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act
AIHA	American Industrial Hygiene Association	DOT	U.S. Department of Transportation [General Info: (800)467-4922]
ANSI	American National Standards Institute (212)642-4900	EPA	U.S. Environmental Protection Agency
API	American Petroleum Institute (202)682-8000	HMIS	Hazardous Materials Information System

IARC	International Agency For Research On Cancer
MSHA	Mine Safety and Health Administration
NFPA	National Fire Protection Association (617)770-3000
NIOSH	National Institute of Occupational Safety and Health
NOIC	Notice of Intended Change (proposed change to ACGIH TLV)
NTP	National Toxicology Program
OPA	Oil Pollution Act of 1990
OSHA	U.S. Occupational Safety & Health Administration
PEL	Permissible Exposure Limit (OSHA)
RCRA	Resource Conservation and Recovery Act
REL	Recommended Exposure Limit (NIOSH)
SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
SCBA	Self-Contained Breathing Apparatus
SPCC	Spill Prevention, Control, and Countermeasures
STEL	Short-Term Exposure Limit (generally 15 minutes)
TLV	Threshold Limit Value (ACGIH)
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average (8 hr.)
WEEL	Workplace Environmental Exposure Level (AIHA)
WHMIS	Workplace Hazardous Materials Information System (Canada)

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.



Health	3
Fire	1
Reactivity	2
Personal Protection	E

Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic Pennsylvania RTK: Arsenic Massachusetts RTK: Arsenic TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

Created: 10/09/2005 04:16 PM

Last Updated: 06/09/2012 12:00 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.

APPENDIX 4

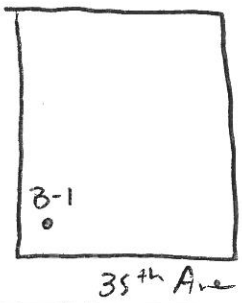
SOIL BORING LOGS, SAMPLING LOGS, AND DAILY LOGS

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty			FPM JOB #	
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-1	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



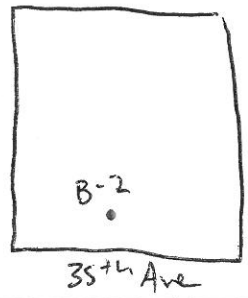
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec
2	DUPLICATE	0			Brown med-fine sand No o/s
					5-10 3' rec
4					Brown med-fine sand w/silt No o/s
					10-15 4' rec
6					10-14 Tan-gray sandy clay, slight
					marshy odor
8					14-15 Brown med-fine sand No o/s
		0			15-20 3' rec
10					SAA
					20-25 3' rec
12					Brown-tan medium sand No o/s
					25-30 3' rec
14					water at 27'
		0			Brown med-fine sand w/ fine gravel
16					
18					
20		0			
22					
24					
		0			
26	25-27				
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-2	TOTAL DEPTH	30	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH		TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



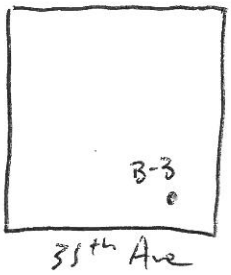
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 2' rec
2		0			Brown med-fine sand w/ some fine gravel
					NO O/S
4					5-10 4' rec
					5-7 med-coarse sand w/ fine gravel Brown
6					NO O/S
					7-10 Brown med-fine sand NO O/S
8		0			10-15 4' rec
					SAA
10					15-20 3' rec
					SAA
12					20-25 3' rec
					SAA
14					25-30 3' rec
					water at 27'
16		0			SAA
18					
20					
22		0			
24					
26	25-27	0			
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-3	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



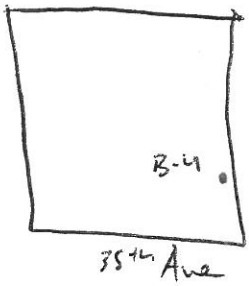
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec Brown med-fine sand NO o/s
2					
		0			5-10 3' rec Brown med-fine sand w/ fine gravel NO o/s
4					
					10-15 3' rec Brown med-fine sand NO o/s
6					
					15-20 3' rec SAA NO o/s
8					
		0			20-25 3' rec Brown med-fine sand w/ fine gravel NO o/s
10					
12					
					25-30 3' rec water @ 27' Brown med-fine sand NO o/s
14					
		0			
16					
18					
		0			
20					
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty			FPM JOB #	
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-4	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	7/31/14

SITE MAP



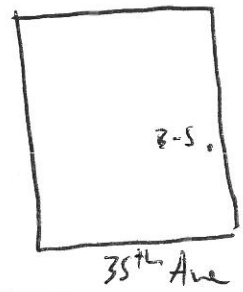
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec
2		0			Brown med-fine sand NO O/S
					5-10 3' rec
4					SAA NO O/S
					10-15 4' rec
6		0			SAA NO O/S
					15-20 3' rec
8					SAA NO O/S
					20-25 3' rec
10					SAA NO O/S
					25-30 3' rec
12					water at 27'
14		0			SAA NO O/S
16					
18					
20		0			
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-5	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	7/31/14

SITE MAP



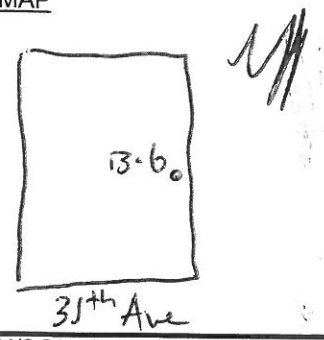
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
2	0-2	0			0-5 3' rec Brown med-fine sand w/ some fine gravel No O/S
4					5-10 4' rec
6					5-9 SAA No O/S
8		0			9-10 Brown-tan med-fine sand No O/S
10					10-15 4' rec SAA No O/S
12					15-20 4' rec SAA No O/S
14					20-25 4' rec SAA No O/S
16		0			25-30 4' rec water at 27' SAA No O/S
18					
20					
22		0			
24					
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-6	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	7/31/14

SITE MAP



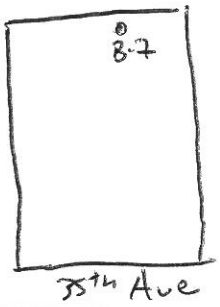
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 2' recovery Brown-Tan fine sand w/ fine gravel NO O/S
2		0			
4					5-10 3' rec SAA NO O/S
6					
8		0			10-15 3' rec SAA NO O/S
10					15-20 3' rec SAA NO O/S
12					20-25 2' rec SAA NO O/S
14					25-30 3' rec water at 27' SAA NO O/S
16		0			
18					
20					
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-7	TOTAL DEPTH	30	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



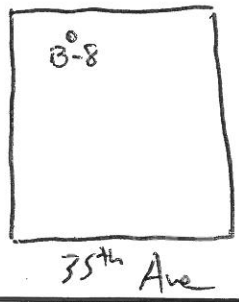
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
2	0-2	0			0-5 3' rec Brown med-fine sand w/ some fine gravel NO O/S
4					5-10 4' rec SAA
6		0			10-13 4' rec SAA
8					13-15 Brown-tan med-coarse sand w/fine gravel NO O/S
10					15-20 3' rec SAA
12		0			20-25 3' rec SAA
14					25-30 3' rec water @ 27 Brown med-fine sand NO O/S
16					
18		0			
20					
22		0			
24					
26	25-27	0			
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-8	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



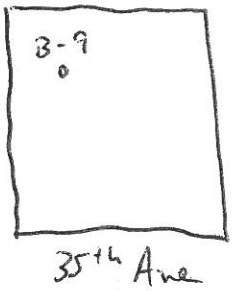
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec Brown med.-fine sand w/ some fine gravel NO O/S
2		0			5-10 3' rec SAA NO O/S
4					10-15 3' rec SAA
6					15-20 3' rec SAA NO O/S
8		0			20-25 3' rec SAA NO O/S
10					25-30 3' rec SAA NO O/S water @ 27'
12					
14		0			
16					
18					
20		0			
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-9	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



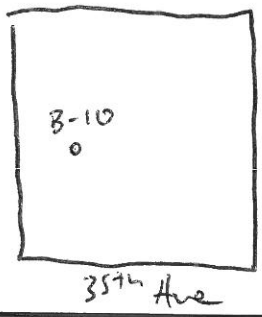
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3'rec Brown med-fine sand NO O/S
2		0			5-10 3'rec SAA NO O/S
4					10-15 3'rec SAA NO O/S
6					15-20 3'rec Brown fine med-fine silty-sand NO O/S
8		0			
10					20-25 3'rec Tan-Brown med-fine sand NO O/S
12		0			25-30 3'rec water @ 27' SAA
14					
16		0			
18					
20		0			
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty			FPM JOB #	
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-10	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



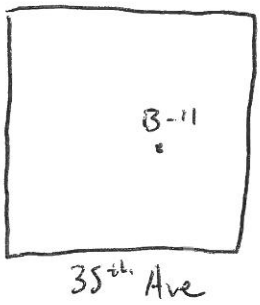
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec Brown med-fine sand No o/s
2		0			5-10 3' rec SAA
4					10-15 3' rec SAA
6					15-20 3' rec Brown med-fine silty sand No o/s
8		0			20-25 3' rec Brown med-fine sand No o/s
10					25-30 3' rec SAA water @ 27
12					
14					
16		0			
18					
20					
22		0			
24					
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-11	TOTAL DEPTH	30	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	7/31/14

SITE MAP



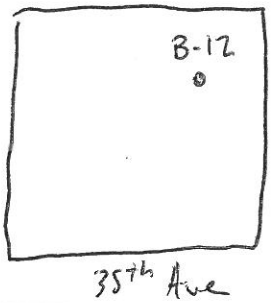
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
2	0-2	0			0-5 3' rec. Brown med-fine sand w/ some fine gravel NO O/S
4					5-10 3' rec SAA NO O/S
6					10-15 3' rec
8		0			10-13 SAA NO O/S
10					13-14 Brown med-coarse sand w/ gravel NO O/S
12					14-15 Brown med-fine sand w/ some fine gravel NO O/S
14		0			15-20 3' rec SAA
16					20-25 3' rec SAA
18					25-30 3' rec water @ 27'
20					SAA
22		0			
24					
26	25-27	0			
28					
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-12	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	7/30/14

SITE MAP



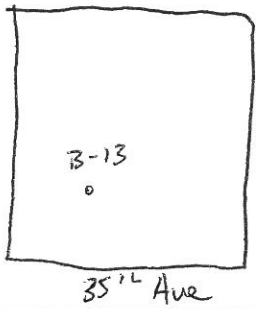
DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 2' recovery Brown med-fine sand w/some fine gravel NO O/S
2		0			
4					5-10 2' recovery SAA
6					10-15 3' recovery Dark Brown med-fine silty sand NO O/S
8		0			
10					15-20 3' recovery 15-18 SAA 18-20 Brown med-fine sand w/ gravel NO O/S
12					
14		0			20-25 3' recovery 20-24 SAA 24-25 Tan med-coarse sand w/fine gravel NO O/S
16					
18		0			25-30 3' recovery 25-26 SAA 26-30 Dark brown med-fine sand NO O/S water @ 27'
20					
22					
24		0			
26	25-27				
28		0			
30					

FPM GROUP

Ronkonkoma,NY

PROJECT NAME	Farrington Realty		FPM JOB #		
SITE ADDRESS	134-37 35th Avenue, Flushing, NY				
BORING/WELL	B-13	TOTAL DEPTH	30'	DIAMETER	2"
TOC ELEV.	-	WATER LEVEL INITIAL	-	STATIC	-
SCREEN DIA.	-	LENGTH	-	SLOT SIZE	-
CASING DIA.	-	LENGTH	-	TYPE	-
DRILLING COMP	Laurel	DRILLING METHOD		Direct Push	
DRILLER	Steve	LOG BY	GH	DATE DRILLED	8/4/14

SITE MAP



DEPTH (FT)	SAMPLE	PID (PPM)	WELL CONSTRUCTION	GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (INTERVAL, RECOVERY, COLOR, MATRIX TYPE, MOISTURE CONTENT, COMMENTS)
	0-2				0-5 3' rec
2		0			0-3 Brown silty sand No o/s
					3-5 Brown med-fine sand No o/s
4					5-10 3' rec
					SAA No o/s
6					10-15 3' rec
					Brown med-coarse sand w/ fine
8		0			gravel No o/s
					15-20 3' rec
10					15-19 SAA
					19-20 Brown med-fine sand No o/s
12					20-25 4' rec
14		0			SAA No o/s
					25-30 3' rec
16					SAA water @ 27
18					
20		0			
22					
24					
26	25-27	0			
28					
30					

WELL SAMPLING DATA FORM

Project: farrington

Location: 134-37 ~~B~~35th Ave, flushing

Well No.: MW-17 Well Diameter: 2"

Date: 7/31/14 Start Time: _____

Weather: 82°f M. cloudy Finish Time: _____

Sampled By: GH

Depth to Bottom of Well: 35.2 Feet.

Depth to Water: 27.21 Feet.

Height of Water Column: 7.99 Feet.

Water Volume in Casing: 1.27 Gallons.

Water Volume to be Purged: 3.83 Gallons.

Water Volume Actually Purged: 4 Gallons.

Purge Method: peristaltic pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	1	7.12	2578	22.6	51
	2	7.15	2576	22.3	39.86
	4	7.20	2577	22.1	23.14

Sampling and Analytical Methods: VOC's

Laboratory Name and Location: TA Edison, NJ

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FPM

WELL SAMPLING DATA FORM

Project: Farrington

Location: 134-37 35th Ave, Flushing

Well No.: RXMW-6 Well Diameter: 2"

Date: 7/31/14 Start Time:

Weather: 82°F M. Cloudy Finish Time:

Sampled By: GH

Depth to Bottom of Well: 36.35 Feet.

Depth to Water: 27.41 Feet.

Height of Water Column: 8.94 Feet.

Water Volume in Casing: 1.43 Gallons.

Water Volume to be Purged: 4.29 Gallons.

Water Volume Actually Purged: 5 Gallons.

Purge Method: peristaltic pump

Physical Appearance/Comments:

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	1.5	6.52	1905	20.3	86
	3	6.47	1907	20.1	52
	5	6.38	1908	19.9	41.71

Sampling and Analytical Methods: VOCs

Laboratory Name and Location: TA Edison, NJ

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FPM

CANISTER FIELD SAMPLING RECORD

Project: farrington

Site Location: 134-37 35th Ave, flushing

Sample ID	SV-1	Canister ID	561
Sampler	GH	Canister Volume	1L
Location	SW corner	Flow Controller ID	390
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, (soil gas) amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	13:59	-30
Final Canister Vacuum	7/31/14	11:43	-4

Weather or Ambient Conditions: 83°f P. cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-27 35th Ave, Flushing

Sample ID	SV-2	Canister ID	541
Sampler	GH	Canister Volume	1L
Location	SE corner	Flow Controller ID	435
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:01	-30
Final Canister Vacuum	7/31/14	12:59	-6

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments: _____

CANISTER FIELD SAMPLING RECORD

Project: farrington

Site Location: 134-37 35th Ave, Flushing

Sample ID	SV-3	Canister ID	94
Sampler	GH	Canister Volume	1L
Location	SE portion of site	Flow Controller ID	441
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:03	-30
Final Canister Vacuum	7/31/14	13:52	-6

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, Flushing

Sample ID	SV-4	Canister ID	351
Sampler	GH	Canister Volume	1L
Location	E boundary	Flow Controller ID	455
Height	–	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:05	-29
Final Canister Vacuum	7/31/14	12:50	-5

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments: _____

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-27 35th Ave, Flushing

Sample ID	SV-5	Canister ID	195
Sampler	GH	Canister Volume	1L
Location	NE Portion of Site	Flow Controller ID	391
Height	–	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/31/14	14:17	-30
Final Canister Vacuum	7/31/14	-13:31	-6

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 5.5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, flushing

Sample ID	SV-6	Canister ID	157
Sampler	GH	Canister Volume	1 L
Location	NW corner	Flow Controller ID	344
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:13	-30
Final Canister Vacuum	7/31/14	13:46	-6

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments: _____

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, flushing

Sample ID	SV-7	Canister ID	89
Sampler	GH	Canister Volume	1L
Location	NE corner	Flow Controller ID	381
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor) _____

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:15	-30
Final Canister Vacuum	7/31/14	11:55	-5

Weather or Ambient Conditions: 88°F P. Cloudy / 82°F M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments: _____

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, Flushing

Sample ID	SV-8	Canister ID	336
Sampler	GH	Canister Volume	1L
Location	Middle of site	Flow Controller ID	345
Height	-	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, soil gas, amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/17	14:20	-30
Final Canister Vacuum	7/31/17	14:02	-13

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, Flushing

Sample ID: SV-9

Canister ID: 274

Sampler: GH

Canister Volume: 1L

Location: SW portion of site

Flow Controller ID: 439

Height: –

Flow Controller Setting: 1L/24hr

Sample Type (sub-slab, ~~soil gas,~~ amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:09	-30
Final Canister Vacuum	7/31/14	11:46	-5

Weather or Ambient Conditions: 83°f P. cloudy / 82°f M. cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

CANISTER FIELD SAMPLING RECORD

Project: Farrington

Site Location: 134-37 35th Ave, flushing

Sample ID	SV-10	Canister ID	159
Sampler	GH	Canister Volume	1L
Location	NW portion of site	Flow Controller ID	382
Height	—	Flow Controller Setting	1L/24hr

Sample Type (sub-slab, ~~soil gas~~, amb, indoor)

Reading	Date	Time	Vacuum
Initial Canister Vacuum	7/30/14	14:11	-30
Final Canister Vacuum	7/31/14	11:51	-5

Weather or Ambient Conditions: 83°f P. Cloudy / 82°f M. Cloudy

Purge Data: 3-5 volumes

Helium Check Data: Passed

Comments:

APPENDIX 5

LABORATORY DATA DELIVERABLES FOR SOIL AND GROUNDWATER ANALYTICAL DATA

ANALYTICAL REPORT

Job Number: 460-80327-1

Job Description: Farrington Realty

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Shalini Isaac
Project Management Assistant II
8/12/2014 7:08 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
08/12/2014

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

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CASE NARRATIVE

Client: FPM Group Limited

Project: Farrington Realty

Report Number: 460-80327-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 7/31/2014 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Methylene Chloride failed the recovery criteria high for LCS 460-240920/3. Methylene Chloride failed the recovery criteria high for LCSD 460-240920/4. Refer to the QC report for details.

VOLATILE ORGANICS

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 07/31/2014 and analyzed on 08/06/2014.

No difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANICS

Sample TB0730 (460-80327-3) was analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 08/05/2014.

The continuing calibration verification (CCV) associated with batch <<240643>> recovered above the upper control limit for <<Acetone and 1,4-Dioxane>>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-240643/2).

The continuing calibration verification (CCV) associated with batch 240920 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-240920/2).

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 240920 recovered outside control limits for the following analytes: Methylene chloride. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 07/31/2014 and analyzed on 08/02/2014.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 239987 had one analyte (Nitrobenzene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 240310 was outside the method criteria for the following analyte(s): Di-n-octyl phthalate and Benzyl alcohol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria high for B-12(25-27) (460-80327-2).

Nitrobenzene failed the recovery criteria high for LCS 460-239987/2-A.

Several analytes failed the recovery criteria high for the MS/MSD of sample 460-80314-3 in batch 460-240310. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared and analyzed on 08/01/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 08/01/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 08/02/2014 and analyzed on 08/04/2014.

Antimony and Iron failed the recovery criteria low for the MS of sample 460-80315-5 in batch 460-240623. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

Samples B-12(0-2) (460-80327-1)[4X] and B-12(25-27) (460-80327-2)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 08/05/2014.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples B-12(0-2) (460-80327-1) and B-12(25-27) (460-80327-2) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/01/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80327-1	**B-12(0-2)**					
Toluene		0.19	J	1.0	ug/Kg	8260C
Benzo[a]pyrene		59		35	ug/Kg	8270D
Benzo[b]fluoranthene		61		35	ug/Kg	8270D
Benzo[k]fluoranthene		27	J	35	ug/Kg	8270D
Chrysene		44	J	350	ug/Kg	8270D
Fluoranthene		91	J	350	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		34	J	35	ug/Kg	8270D
Phenanthrene		52	J	350	ug/Kg	8270D
Pyrene		79	J	350	ug/Kg	8270D
Aluminum		5200		32.3	mg/Kg	6010C
Arsenic		0.70	J	2.4	mg/Kg	6010C
Barium		54.3		32.3	mg/Kg	6010C
Calcium		1480		807	mg/Kg	6010C
Cobalt		5.0	J	8.1	mg/Kg	6010C
Chromium		12.8		1.6	mg/Kg	6010C
Copper		18.1		4.0	mg/Kg	6010C
Iron		12100		24.2	mg/Kg	6010C
Potassium		1460		807	mg/Kg	6010C
Magnesium		1710		807	mg/Kg	6010C
Manganese		256		2.4	mg/Kg	6010C
Sodium		93.2	J	807	mg/Kg	6010C
Nickel		11.3		6.5	mg/Kg	6010C
Lead		45.8		1.6	mg/Kg	6010C
Vanadium		15.5		8.1	mg/Kg	6010C
Zinc		41.3		4.8	mg/Kg	6010C
Mercury		0.044		0.018	mg/Kg	7471B
Percent Moisture		4.7		1.0	%	Moisture
Percent Solids		95.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80327-2	**B-12(25-27)**					
Acetone		21		6.8	ug/Kg	8260C
Toluene		0.24	J	1.4	ug/Kg	8260C
Aluminum		3240		36.9	mg/Kg	6010C
Barium		32.0	J	36.9	mg/Kg	6010C
Calcium		697	J	924	mg/Kg	6010C
Cobalt		4.1	J	9.2	mg/Kg	6010C
Chromium		9.5		1.8	mg/Kg	6010C
Copper		11.0		4.6	mg/Kg	6010C
Iron		9260		27.7	mg/Kg	6010C
Potassium		1110		924	mg/Kg	6010C
Magnesium		1240		924	mg/Kg	6010C
Manganese		290		2.8	mg/Kg	6010C
Sodium		158	J	924	mg/Kg	6010C
Nickel		10.2		7.4	mg/Kg	6010C
Lead		2.0		1.8	mg/Kg	6010C
Vanadium		12.1		9.2	mg/Kg	6010C
Zinc		13.1		5.5	mg/Kg	6010C
Percent Moisture		11.3		1.0	%	Moisture
Percent Solids		88.7		1.0	%	Moisture

METHOD SUMMARY

Client: FPM Group Limited

Job Number: 460-80327-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Group Limited

Job Number: 460-80327-1

Method	Analyst	Analyst ID
SW846 8260C	Moroney, Christopher J	CJM
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Rana, Vidhi	VJR
SW846 8081B	Foleyson, Temitope S	TSF
SW846 8082A	Boykin, Carol B	CBB
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Armbruster, Chris	CJA

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-80327-1	B-12(0-2)	Solid	07/30/2014 1315	07/31/2014 1610
460-80327-2	B-12(25-27)	Solid	07/30/2014 1330	07/31/2014 1610
460-80327-3TB	TB0730	Water	07/30/2014 1200	07/31/2014 1610

SAMPLE RESULTS

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30391.D
Dilution:	1.0			Initial Weight/Volume:	5.097 g
Analysis Date:	08/06/2014 1412			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.35	1.0
Chloroethane		1.0	U	0.34	1.0
Methylene Chloride		1.0	U *	0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.20	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.25	1.0
1,2-Dichloroethane		1.0	U	0.19	1.0
2-Butanone (MEK)		5.1	U	0.65	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.33	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.21	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.093	1.0
Toluene		0.19	J	0.14	1.0
Chlorobenzene		1.0	U	0.19	1.0
Ethylbenzene		1.0	U	0.18	1.0
Styrene		1.0	U	0.29	1.0
m-Xylene & p-Xylene		1.0	U	0.61	1.0
o-Xylene		1.0	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.23	1.0
1,2,4-Trichlorobenzene		1.0	U	0.20	1.0
1,4-Dioxane		21	U	13	21

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30391.D
Dilution:	1.0			Initial Weight/Volume:	5.097 g
Analysis Date:	08/06/2014 1412			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.33	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Toluene-d8 (Surr)	94		70 - 130
4-Bromofluorobenzene	106		70 - 130
Dibromofluoromethane (Surr)	111		70 - 130

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30391.D
Dilution:	1.0			Initial Weight/Volume:	5.097 g
Analysis Date:	08/06/2014 1412			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1830				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30392.D
Dilution:	1.0			Initial Weight/Volume:	4.138 g
Analysis Date:	08/06/2014 1436			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1831				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.22	1.4
Bromomethane		1.4	U	0.59	1.4
Vinyl chloride		1.4	U	0.46	1.4
Chloroethane		1.4	U	0.45	1.4
Methylene Chloride		1.4	U *	0.20	1.4
Acetone		21		2.3	6.8
Carbon disulfide		1.4	U	0.20	1.4
Trichlorofluoromethane		1.4	U	0.22	1.4
1,1-Dichloroethene		1.4	U	0.26	1.4
1,1-Dichloroethane		1.4	U	0.15	1.4
trans-1,2-Dichloroethene		1.4	U	0.18	1.4
cis-1,2-Dichloroethene		1.4	U	0.15	1.4
Chloroform		1.4	U	0.33	1.4
1,2-Dichloroethane		1.4	U	0.25	1.4
2-Butanone (MEK)		6.8	U	0.86	6.8
1,1,1-Trichloroethane		1.4	U	0.18	1.4
Carbon tetrachloride		1.4	U	0.20	1.4
Dichlorobromomethane		1.4	U	0.44	1.4
1,2-Dichloropropane		1.4	U	0.20	1.4
cis-1,3-Dichloropropene		1.4	U	0.19	1.4
Trichloroethene		1.4	U	0.16	1.4
Chlorodibromomethane		1.4	U	0.14	1.4
1,1,2-Trichloroethane		1.4	U	0.19	1.4
Benzene		1.4	U	0.20	1.4
trans-1,3-Dichloropropene		1.4	U	0.14	1.4
Bromoform		1.4	U	0.23	1.4
4-Methyl-2-pentanone (MIBK)		6.8	U	0.27	6.8
2-Hexanone		6.8	U	0.18	6.8
Tetrachloroethene		1.4	U	0.16	1.4
1,1,2,2-Tetrachloroethane		1.4	U	0.12	1.4
Toluene		0.24	J	0.19	1.4
Chlorobenzene		1.4	U	0.25	1.4
Ethylbenzene		1.4	U	0.23	1.4
Styrene		1.4	U	0.38	1.4
m-Xylene & p-Xylene		1.4	U	0.80	1.4
o-Xylene		1.4	U	0.26	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane		1.4	U	0.15	1.4
Methyl tert-butyl ether		1.4	U	0.15	1.4
Cyclohexane		1.4	U	0.18	1.4
Ethylene Dibromide		1.4	U	0.20	1.4
1,3-Dichlorobenzene		1.4	U	0.22	1.4
1,4-Dichlorobenzene		1.4	U	0.15	1.4
1,2-Dichlorobenzene		1.4	U	0.14	1.4
Dichlorodifluoromethane		1.4	U	0.30	1.4
1,2,4-Trichlorobenzene		1.4	U	0.26	1.4
1,4-Dioxane		27	U	17	27

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30392.D
Dilution:	1.0			Initial Weight/Volume:	4.138 g
Analysis Date:	08/06/2014 1436			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1831				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.4	U	0.22	1.4
1,2-Dibromo-3-Chloropropane		1.4	U	0.60	1.4
Chlorobromomethane		1.4	U	0.15	1.4
Isopropylbenzene		1.4	U	0.15	1.4
Methyl acetate		6.8	U	0.44	6.8
Methylcyclohexane		1.4	U	0.14	1.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	87		70 - 130
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-239959	Lab File ID:	K30392.D
Dilution:	1.0			Initial Weight/Volume:	4.138 g
Analysis Date:	08/06/2014 1436			Final Weight/Volume:	5 mL
Prep Date:	07/31/2014 1831				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.26	8.7	J

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **TB0730**

Lab Sample ID: 460-80327-3TB

Client Matrix: Water

Date Sampled: 07/30/2014 1200

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06671.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0229				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	5.0	U	2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **TB0730**

Lab Sample ID: 460-80327-3TB

Client Matrix: Water

Date Sampled: 07/30/2014 1200

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06671.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0229				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene	93		64 - 135
Dibromofluoromethane (Surr)	97		72 - 137
Toluene-d8 (Surr)	95		70 - 130

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **TB0730**

Lab Sample ID: 460-80327-3TB

Client Matrix: Water

Date Sampled: 07/30/2014 1200

Date Received: 07/31/2014 1610

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06671.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0229				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1 | Date Sampled: 07/30/2014 1315
Client Matrix: Solid | % Moisture: 4.7 | Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2851.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/02/2014 1323			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	46	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	85	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	140	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	50	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		59		2.5	35
Benzo[b]fluoranthene		61		2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		27	J	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		44	J	40	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2851.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/02/2014 1323			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		91	J	46	350
Fluorene		350	U	44	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		34	J	6.4	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		52	J	44	350
Phenol		350	U	47	350
Pyrene		79	J	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	112		19 - 114
2-Fluorobiphenyl	94		49 - 112
2-Fluorophenol (Surr)	86		39 - 103
Nitrobenzene-d5 (Surr)	103		40 - 106
Phenol-d5 (Surr)	92		44 - 104
Terphenyl-d14 (Surr)	115		41 - 145

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2851.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/02/2014 1323			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.35	480	J

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2852.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1347			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		370	U	50	370
1,2,4,5-Tetrachlorobenzene		370	U	50	370
2,2'-oxybis[1-chloropropane]		370	U	41	370
2,3,4,6-Tetrachlorophenol		370	U	48	370
2,4,5-Trichlorophenol		370	U	48	370
2,4,6-Trichlorophenol		370	U	44	370
2,4-Dichlorophenol		370	U	55	370
2,4-Dimethylphenol		370	U	92	370
2,4-Dinitrophenol		750	U	210	750
2,4-Dinitrotoluene		75	U	12	75
2,6-Dinitrotoluene		75	U	11	75
2-Chloronaphthalene		370	U	42	370
2-Chlorophenol		370	U	49	370
2-Methylnaphthalene		370	U	48	370
2-Methylphenol		370	U	64	370
2-Nitroaniline		370	U	160	370
2-Nitrophenol		370	U	42	370
3,3'-Dichlorobenzidine		370	U	130	370
3-Nitroaniline		370	U	130	370
4,6-Dinitro-2-methylphenol		750	U	100	750
4-Bromophenyl phenyl ether		370	U	37	370
4-Chloro-3-methylphenol		370	U	56	370
4-Chloroaniline		370	U	99	370
4-Chlorophenyl phenyl ether		370	U	44	370
4-Methylphenol		370	U	73	370
4-Nitroaniline		750	U	120	750
4-Nitrophenol		370	U	240	370
Acenaphthene		370	U	54	370
Acenaphthylene		370	U	44	370
Acetophenone		370	U	57	370
Anthracene		370	U	45	370
Atrazine		370	U	58	370
Benzaldehyde		370	U	44	370
Benzo[a]anthracene		37	U	2.6	37
Benzo[a]pyrene		37	U	2.6	37
Benzo[b]fluoranthene		37	U	2.4	37
Benzo[g,h,i]perylene		370	U	28	370
Benzo[k]fluoranthene		37	U	2.8	37
Bis(2-chloroethoxy)methane		370	U	48	370
Bis(2-chloroethyl)ether		37	U	5.1	37
Bis(2-ethylhexyl) phthalate		370	U	120	370
Butyl benzyl phthalate		370	U	34	370
Caprolactam		370	U	86	370
Carbazole		370	U	44	370
Chrysene		370	U	43	370
Dibenz(a,h)anthracene		37	U	4.7	37

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2852.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1347			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		370	U	44	370
Diethyl phthalate		370	U	44	370
Dimethyl phthalate		370	U	44	370
Di-n-butyl phthalate		370	U	46	370
Di-n-octyl phthalate		370	U	24	370
Fluoranthene		370	U	50	370
Fluorene		370	U	48	370
Hexachlorobenzene		37	U	5.1	37
Hexachlorobutadiene		75	U	9.1	75
Hexachlorocyclopentadiene		370	U	44	370
Hexachloroethane		37	U	4.1	37
Indeno[1,2,3-cd]pyrene		37	U	6.9	37
Isophorone		370	U	45	370
Naphthalene		370	U	43	370
Nitrobenzene		37	U	5.3	37
N-Nitrosodi-n-propylamine		37	U	6.2	37
N-Nitrosodiphenylamine		370	U	37	370
Pentachlorophenol		750	U	110	750
Phenanthrene		370	U	47	370
Phenol		370	U	50	370
Pyrene		370	U	31	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	117	*	19 - 114
2-Fluorobiphenyl	95		49 - 112
2-Fluorophenol (Surr)	85		39 - 103
Nitrobenzene-d5 (Surr)	99		40 - 106
Phenol-d5 (Surr)	90		44 - 104
Terphenyl-d14 (Surr)	116		41 - 145

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-239987	Lab File ID:	z2852.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1347			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-240019	Initial Weight/Volume:	15.0005 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 1154			Injection Volume:	1 uL
Prep Date:	08/01/2014 0149			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		76 - 149
Tetrachloro-m-xylene	109		72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-240019	Initial Weight/Volume:	15.0005 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 1154			Injection Volume:	1 uL
Prep Date:	08/01/2014 0149			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-240019	Initial Weight/Volume:	15.0068 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 1205			Injection Volume:	1 uL
Prep Date:	08/01/2014 0149			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.5	U	1.5	7.5
4,4'-DDE		7.5	U	1.5	7.5
4,4'-DDT		7.5	U	1.8	7.5
Aldrin		7.5	U	1.6	7.5
alpha-BHC		7.5	U	1.7	7.5
beta-BHC		7.5	U	1.8	7.5
Chlordane (technical)		75	U	21	75
delta-BHC		7.5	U	1.4	7.5
Dieldrin		7.5	U	1.4	7.5
Endosulfan I		7.5	U	1.7	7.5
Endosulfan II		7.5	U	1.5	7.5
Endosulfan sulfate		7.5	U	1.5	7.5
Endrin		7.5	U	1.8	7.5
Endrin aldehyde		7.5	U	1.1	7.5
Endrin ketone		7.5	U	1.5	7.5
gamma-BHC (Lindane)		7.5	U	1.4	7.5
Heptachlor		7.5	U	1.8	7.5
Heptachlor epoxide		7.5	U	1.7	7.5
Methoxychlor		7.5	U	1.8	7.5
Toxaphene		75	U	20	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		76 - 149
Tetrachloro-m-xylene	114		72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-240019	Initial Weight/Volume:	15.0068 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 1205			Injection Volume:	1 uL
Prep Date:	08/01/2014 0149			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		76 - 149
Tetrachloro-m-xylene	102		72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-240022	Initial Weight/Volume:	15.0005 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 2049			Injection Volume:	1 uL
Prep Date:	08/01/2014 0203			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-240022	Initial Weight/Volume:	15.0005 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 2049			Injection Volume:	1 uL
Prep Date:	08/01/2014 0203			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-240022	Initial Weight/Volume:	15.0068 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 2104			Injection Volume:	1 uL
Prep Date:	08/01/2014 0203			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	17	75
Aroclor 1221		75	U	17	75
Aroclor 1232		75	U	17	75
Aroclor 1242		75	U	17	75
Aroclor 1248		75	U	17	75
Aroclor 1254		75	U	21	75
Aroclor 1260		75	U	21	75
Aroclor-1262		75	U	21	75
Aroclor 1268		75	U	21	75
Polychlorinated biphenyls, Total		75	U	21	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-240022	Initial Weight/Volume:	15.0068 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2014 2104			Injection Volume:	1 uL
Prep Date:	08/01/2014 0203			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

% Moisture: 4.7

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.30 g
Analysis Date:	08/04/2014 1334			Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.6	U	0.31	1.6
Aluminum		5200		17.8	32.3
Arsenic		0.70	J	0.66	2.4
Barium		54.3		1.4	32.3
Beryllium		0.32	U	0.22	0.32
Calcium		1480		61.8	807
Cadmium		0.65	U	0.23	0.65
Cobalt		5.0	J	0.73	8.1
Chromium		12.8		0.65	1.6
Copper		18.1		1.4	4.0
Iron		12100		20.1	24.2
Potassium		1460		22.3	807
Magnesium		1710		53.6	807
Manganese		256		0.70	2.4
Sodium		93.2	J	61.0	807
Nickel		11.3		1.4	6.5
Lead		45.8		0.66	1.6
Antimony		3.2	U	1.2	3.2
Selenium		3.2	U	0.92	3.2
Thallium		3.2	U	1.6	3.2
Vanadium		15.5		0.67	8.1
Zinc		41.3		1.4	4.8

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/05/2014 1057			Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.044		0.013	0.018

Client: FPM Group Limited

Job Number: 460-80327-1

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

% Moisture: 11.3

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.22 g
Analysis Date:	08/04/2014 1338			Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.8	U	0.36	1.8
Aluminum		3240		20.4	36.9
Arsenic		2.8	U	0.76	2.8
Barium		32.0	J	1.6	36.9
Beryllium		0.37	U	0.25	0.37
Calcium		697	J	70.7	924
Cadmium		0.74	U	0.26	0.74
Cobalt		4.1	J	0.83	9.2
Chromium		9.5		0.74	1.8
Copper		11.0		1.6	4.6
Iron		9260		23.0	27.7
Potassium		1110		25.5	924
Magnesium		1240		61.3	924
Manganese		290		0.80	2.8
Sodium		158	J	69.8	924
Nickel		10.2		1.7	7.4
Lead		2.0		0.76	1.8
Antimony		3.7	U	1.4	3.7
Selenium		3.7	U	1.1	3.7
Thallium		3.7	U	1.8	3.7
Vanadium		12.1		0.76	9.2
Zinc		13.1		1.6	5.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/05/2014 1059			Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.013	0.018

General Chemistry

Client Sample ID: **B-12(0-2)**

Lab Sample ID: 460-80327-1

Client Matrix: Solid

Date Sampled: 07/30/2014 1315

Date Received: 07/31/2014 1610

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240162		Analysis Date: 08/01/2014 1310				DryWt Corrected: N
Percent Solids	95.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240162		Analysis Date: 08/01/2014 1310				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-12(25-27)**

Lab Sample ID: 460-80327-2

Client Matrix: Solid

Date Sampled: 07/30/2014 1330

Date Received: 07/31/2014 1610

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240162		Analysis Date: 08/01/2014 1310				DryWt Corrected: N
Percent Solids	88.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240162		Analysis Date: 08/01/2014 1310				DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	*	Surrogate exceeds the control limit
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Client: FPM Group Limited

Job Number: 460-80327-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-239959					
460-80327-1	B-12(0-2)	T	Solid	5035	
460-80327-2	B-12(25-27)	T	Solid	5035	
Analysis Batch:460-240643					
LCS 460-240643/3	Lab Control Sample	T	Water	8260C	
MB 460-240643/7	Method Blank	T	Water	8260C	
460-79956-B-4 MS	Matrix Spike	T	Water	8260C	
460-79956-B-4 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-80327-3TB	TB0730	T	Water	8260C	
Analysis Batch:460-240920					
LCS 460-240920/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-240920/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-240920/7	Method Blank	T	Solid	8260C	
460-80327-1	B-12(0-2)	T	Solid	8260C	460-239959
460-80327-2	B-12(25-27)	T	Solid	8260C	460-239959

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80327-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-239987					
LCS 460-239987/2-A	Lab Control Sample	T	Solid	3541	
LCS 460-239987/3-A	Lab Control Sample	T	Solid	3541	
MB 460-239987/1-A	Method Blank	T	Solid	3541	
460-80314-D-3-A MS	Matrix Spike	T	Solid	3541	
460-80314-D-3-B MSD	Matrix Spike Duplicate	T	Solid	3541	
460-80327-1	B-12(0-2)	T	Solid	3541	
460-80327-2	B-12(25-27)	T	Solid	3541	
Analysis Batch:460-240310					
LCS 460-239987/2-A	Lab Control Sample	T	Solid	8270D	460-239987
LCS 460-239987/3-A	Lab Control Sample	T	Solid	8270D	460-239987
460-80314-D-3-A MS	Matrix Spike	T	Solid	8270D	460-239987
460-80314-D-3-B MSD	Matrix Spike Duplicate	T	Solid	8270D	460-239987
460-80327-1	B-12(0-2)	T	Solid	8270D	460-239987
460-80327-2	B-12(25-27)	T	Solid	8270D	460-239987
Analysis Batch:460-240561					
MB 460-239987/1-A	Method Blank	T	Solid	8270D	460-239987

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80327-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-240019					
LCS 460-240019/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240019/1-A	Method Blank	T	Solid	3546	
460-80327-1	B-12(0-2)	T	Solid	3546	
460-80327-2	B-12(25-27)	T	Solid	3546	
460-80342-G-7-A MS	Matrix Spike	T	Solid	3546	
460-80342-H-7-A MSD	Matrix Spike Duplicate	T	Solid	3546	
Prep Batch: 460-240022					
LCS 460-240022/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240022/1-A	Method Blank	T	Solid	3546	
460-80327-1	B-12(0-2)	T	Solid	3546	
460-80327-2	B-12(25-27)	T	Solid	3546	
460-80342-H-7-C MS	Matrix Spike	T	Solid	3546	
460-80342-G-7-B MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-240123					
LCS 460-240019/2-A	Lab Control Sample	T	Solid	8081B	460-240019
MB 460-240019/1-A	Method Blank	T	Solid	8081B	460-240019
460-80327-1	B-12(0-2)	T	Solid	8081B	460-240019
460-80327-2	B-12(25-27)	T	Solid	8081B	460-240019
460-80342-G-7-A MS	Matrix Spike	T	Solid	8081B	460-240019
460-80342-H-7-A MSD	Matrix Spike Duplicate	T	Solid	8081B	460-240019
Analysis Batch:460-240210					
LCS 460-240022/2-A	Lab Control Sample	T	Solid	8082A	460-240022
MB 460-240022/1-A	Method Blank	T	Solid	8082A	460-240022
460-80327-1	B-12(0-2)	T	Solid	8082A	460-240022
460-80327-2	B-12(25-27)	T	Solid	8082A	460-240022
460-80342-H-7-C MS	Matrix Spike	T	Solid	8082A	460-240022
460-80342-G-7-B MSD	Matrix Spike Duplicate	T	Solid	8082A	460-240022

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-80327-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-240341					
LCSSRM 460-240341/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-240341/1-A ^2	Method Blank	T	Solid	3050B	
460-80315-A-5-C DU ^1	Duplicate	T	Solid	3050B	
460-80315-A-5-C DU ^4	Duplicate	T	Solid	3050B	
460-80315-A-5-D MS ^1	Matrix Spike	T	Solid	3050B	
460-80315-A-5-D MS ^4	Matrix Spike	T	Solid	3050B	
460-80327-1	B-12(0-2)	T	Solid	3050B	
460-80327-2	B-12(25-27)	T	Solid	3050B	
Analysis Batch:460-240623					
LCSSRM 460-240341/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-240341
MB 460-240341/1-A ^2	Method Blank	T	Solid	6010C	460-240341
460-80315-A-5-C DU ^1	Duplicate	T	Solid	6010C	460-240341
460-80315-A-5-C DU ^4	Duplicate	T	Solid	6010C	460-240341
460-80315-A-5-D MS ^1	Matrix Spike	T	Solid	6010C	460-240341
460-80315-A-5-D MS ^4	Matrix Spike	T	Solid	6010C	460-240341
460-80327-1	B-12(0-2)	T	Solid	6010C	460-240341
460-80327-2	B-12(25-27)	T	Solid	6010C	460-240341
Prep Batch: 460-240672					
LCSSRM 460-240672/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-240672/10-A	Method Blank	T	Solid	7471B	
460-80234-D-20-I DU	Duplicate	T	Solid	7471B	
460-80234-D-20-J MS	Matrix Spike	T	Solid	7471B	
460-80327-1	B-12(0-2)	T	Solid	7471B	
460-80327-2	B-12(25-27)	T	Solid	7471B	
Analysis Batch:460-240797					
LCSSRM 460-240672/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	460-240672
MB 460-240672/10-A	Method Blank	T	Solid	7471B	460-240672
460-80234-D-20-I DU	Duplicate	T	Solid	7471B	460-240672
460-80234-D-20-J MS	Matrix Spike	T	Solid	7471B	460-240672
460-80327-1	B-12(0-2)	T	Solid	7471B	460-240672
460-80327-2	B-12(25-27)	T	Solid	7471B	460-240672

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80327-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-240162					
460-80327-1	B-12(0-2)	T	Solid	Moisture	
460-80327-2	B-12(25-27)	T	Solid	Moisture	
460-80341-A-1 DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-240920/7		107	104	97	108
LCS 460-240920/3		109	104	97	109
LCSD 460-240920/4		109	107	101	109

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-80327-1	B-12(0-2)	113	94	106	111
460-80327-2	B-12(25-27)	102	87	101	102

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-80327-3	TB0730	98	93	97	95

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-240643/7		103	102	98	103
LCS 460-240643/3		106	103	103	106
460-79956-B-4 MS		103	101	99	100
460-79956-B-4 MSD		107	102	103	105

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	72-137

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
460-80327-1	B-12(0-2)	112	94	86	103	92	115
460-80327-2	B-12(25-27)	117*	95	85	99	90	116
MB 460-239987/1-A		73	87	85	90	84	98
LCS 460-239987/2-A		98	84	74	89	80	100
LCS 460-239987/3-A		111	96	88	104	93	114
460-80314-D-3-A MS		111	98	83	101	91	115
460-80314-D-3-B MSD		110	101	82	102	90	117

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	19-114
FBP = 2-Fluorobiphenyl	49-112
2FP = 2-Fluorophenol (Surr)	39-103
NBZ = Nitrobenzene-d5 (Surr)	40-106
PHL = Phenol-d5 (Surr)	44-104
TPH = Terphenyl-d14 (Surr)	41-145

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-80327-1	B-12(0-2)	111	107	109	100
460-80327-2	B-12(25-27)	119	110	114	102
MB 460-240019/1-A		110	103	103	97
LCS 460-240019/2-A		113	105	109	100
460-80342-G-7-A MS		113	110	105	97
460-80342-H-7-A MSD		114	112	109	98

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	76-149
TCX = Tetrachloro-m-xylene	72-136

Client: FPM Group Limited

Job Number: 460-80327-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-80327-1	B-12(0-2)	87	89
460-80327-2	B-12(25-27)	92	98
MB 460-240022/1-A		97	96
LCS 460-240022/2-A		96	102
460-80342-H-7-C MS		89	95
460-80342-G-7-B MSD		93	100

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	53-150

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-240643/7	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06666.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0047	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0047				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
2-Butanone (MEK)	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Acetone	5.0	U	2.7	5.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Bromoform	1.0	U	0.19	1.0
Chloroethane	1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Chloroform	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Chlorobenzene	1.0	U	0.11	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Ethylbenzene	1.0	U	0.10	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
o-Xylene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.15	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-240643/7	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06666.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0047	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0047				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.080	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
Methyl acetate	5.0	U	0.34	5.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Methylcyclohexane	1.0	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	70 - 130
4-Bromofluorobenzene	102	64 - 135
Toluene-d8 (Surr)	98	70 - 130
Dibromofluoromethane (Surr)	103	72 - 137

Method Blank TICs- Batch: 460-240643

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-240643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-240643/3	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06662.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/04/2014 2326	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/04/2014 2326				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	20.0	17.0	85	71 - 123	
1,1-Dichloroethane	20.0	19.6	98	75 - 126	
2-Butanone (MEK)	100	109	109	52 - 140	
1,1,1-Trichloroethane	20.0	20.0	100	73 - 134	
Acetone	100	141	141	26 - 150	
1,2-Dichloropropane	20.0	19.0	95	70 - 120	
Bromomethane	20.0	16.0	80	27 - 150	
Carbon disulfide	20.0	15.9	80	61 - 126	
Carbon tetrachloride	20.0	21.8	109	58 - 150	
1,1,2-Trichloroethane	20.0	19.0	95	68 - 121	
Benzene	20.0	18.6	93	69 - 125	
Chlorodibromomethane	20.0	20.0	100	63 - 131	
Bromoform	20.0	21.1	106	50 - 134	
Chloroethane	20.0	17.9	90	58 - 145	
4-Methyl-2-pentanone (MIBK)	100	104	104	56 - 132	
Chloroform	20.0	19.0	95	81 - 122	
2-Hexanone	100	95.5	96	49 - 131	
Chloromethane	20.0	15.2	76	43 - 145	
cis-1,2-Dichloroethene	20.0	17.9	89	78 - 121	
1,1,2,2-Tetrachloroethane	20.0	17.6	88	55 - 133	
cis-1,3-Dichloropropene	20.0	19.4	97	71 - 120	
Chlorobenzene	20.0	18.5	93	77 - 120	
Dichlorobromomethane	20.0	18.6	93	72 - 123	
Ethylbenzene	20.0	18.3	92	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.2	101	60 - 144	
Methyl tert-butyl ether	20.0	19.2	96	73 - 125	
Cyclohexane	20.0	21.8	109	62 - 135	
Methylene Chloride	20.0	18.3	92	76 - 123	
Ethylene Dibromide	20.0	18.3	92	77 - 117	
m-Xylene & p-Xylene	20.0	19.1	96	78 - 119	
1,3-Dichlorobenzene	20.0	18.2	91	75 - 120	
o-Xylene	20.0	19.2	96	79 - 120	
1,4-Dichlorobenzene	20.0	18.7	93	75 - 120	
Styrene	20.0	17.6	88	76 - 120	
Tetrachloroethene	20.0	21.0	105	70 - 136	
Dichlorodifluoromethane	20.0	14.7	73	40 - 150	
Toluene	20.0	18.0	90	78 - 120	
1,2,4-Trichlorobenzene	20.0	21.8	109	76 - 129	
1,4-Dioxane	400	440	110	46 - 150	
trans-1,2-Dichloroethene	20.0	18.4	92	79 - 120	
1,2,3-Trichlorobenzene	20.0	23.4	117	72 - 135	

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-240643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-240643/3	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06662.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/04/2014 2326	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/04/2014 2326				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	20.0	20.8	104	71 - 123	
Trichloroethene	20.0	18.6	93	74 - 120	
Chlorobromomethane	20.0	18.4	92	70 - 134	
Trichlorofluoromethane	20.0	17.5	87	65 - 142	
Isopropylbenzene	20.0	20.6	103	74 - 127	
Vinyl chloride	20.0	15.3	77	56 - 137	
1,2-Dichloroethane	20.0	20.6	103	75 - 127	
Methyl acetate	100	86.1	86	62 - 140	
1,2-Dichlorobenzene	20.0	18.5	92	81 - 120	
Methylcyclohexane	20.0	21.7	109	64 - 136	
1,2-Dibromo-3-Chloropropane	20.0	20.6	103	53 - 136	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	70 - 130
4-Bromofluorobenzene	103	64 - 135
Toluene-d8 (Surr)	103	70 - 130
Dibromofluoromethane (Surr)	106	72 - 137

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240643

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-79956-B-4 MS	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06683.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0636			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0636				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-79956-B-4 MSD	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06684.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0657			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0657				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	79	93	71 - 123	16	30		
1,1-Dichloroethane	94	109	75 - 126	15	30		
2-Butanone (MEK)	106	114	52 - 140	8	30		
1,1,1-Trichloroethane	91	109	73 - 134	18	30		
Acetone	125	143	26 - 150	13	30		
1,2-Dichloropropane	92	107	70 - 120	15	30		
Bromomethane	71	83	27 - 150	16	30		
Carbon disulfide	64	80	61 - 126	22	30		
Carbon tetrachloride	95	113	58 - 150	17	30		
1,1,2-Trichloroethane	92	104	68 - 121	12	30		
Benzene	86	101	69 - 125	16	30		
Chlorodibromomethane	84	102	63 - 131	19	30		
Bromoform	86	102	50 - 134	17	30		
Chloroethane	83	93	58 - 145	12	30		
4-Methyl-2-pentanone (MIBK)	99	113	56 - 132	13	30		
Chloroform	91	105	81 - 122	15	30		
2-Hexanone	94	107	49 - 131	13	30		
Chloromethane	68	78	43 - 145	13	30		
cis-1,2-Dichloroethene	85	98	78 - 121	14	30		
1,1,2,2-Tetrachloroethane	84	96	55 - 133	13	30		
cis-1,3-Dichloropropene	91	103	71 - 120	13	30		
Chlorobenzene	89	103	77 - 120	15	30		
Dichlorobromomethane	86	102	72 - 123	17	30		
Ethylbenzene	88	102	74 - 120	14	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	106	60 - 144	15	30		
Methyl tert-butyl ether	92	103	73 - 125	11	30		
Cyclohexane	97	115	62 - 135	16	30		
Methylene Chloride	85	95	76 - 123	12	30		
Ethylene Dibromide	90	105	77 - 117	16	30		
m-Xylene & p-Xylene	91	107	78 - 119	16	30		
1,3-Dichlorobenzene	88	102	75 - 120	15	30		
o-Xylene	92	107	79 - 120	15	30		

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240643

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-79956-B-4 MS	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06683.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0636			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0636				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-79956-B-4 MSD	Analysis Batch:	460-240643	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06684.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 0657			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 0657				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dichlorobenzene	88	100	75 - 120	12	30		
Styrene	87	103	76 - 120	16	30		
Tetrachloroethene	95	112	70 - 136	14	30		
Dichlorodifluoromethane	65	75	40 - 150	14	30		
Toluene	86	101	78 - 120	15	30		
1,2,4-Trichlorobenzene	92	114	76 - 129	21	30		
1,4-Dioxane	99	113	46 - 150	13	30		
trans-1,2-Dichloroethene	87	102	79 - 120	16	30		
1,2,3-Trichlorobenzene	90	119	72 - 135	27	30		
trans-1,3-Dichloropropene	94	112	71 - 123	18	30		
Trichloroethene	89	104	74 - 120	15	30		
Chlorobromomethane	94	104	70 - 134	10	30		
Trichlorofluoromethane	77	91	65 - 142	16	30		
Isopropylbenzene	94	111	74 - 127	16	30		
Vinyl chloride	69	79	56 - 137	14	30		
1,2-Dichloroethane	101	114	75 - 127	12	30		
Methyl acetate	87	101	62 - 140	15	30		
1,2-Dichlorobenzene	88	100	81 - 120	13	30		
Methylcyclohexane	101	116	64 - 136	14	30		
1,2-Dibromo-3-Chloropropane	84	108	53 - 136	24	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	107	70 - 130
4-Bromofluorobenzene	101	102	64 - 135
Toluene-d8 (Surr)	99	103	70 - 130
Dibromofluoromethane (Surr)	100	105	72 - 137

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240920

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240920/7	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30383.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1059	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	5.0	U	0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	5.0	U	1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	1.0	U	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240920

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240920/7	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30383.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1059	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 130
4-Bromofluorobenzene	104	70 - 130
Toluene-d8 (Surr)	97	70 - 130
Dibromofluoromethane (Surr)	108	70 - 130

Method Blank TICs- Batch: 460-240920

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240920

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240920/3	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0910	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240920/4	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0935	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	117	115	74 - 128	1	30		
1,1-Dichloroethane	107	104	78 - 125	3	30		
2-Butanone (MEK)	112	110	58 - 140	2	30		
1,1,1-Trichloroethane	123	120	82 - 129	2	30		
Acetone	115	101	58 - 139	13	30		
1,2-Dichloropropane	100	93	72 - 123	7	30		
Bromomethane	113	114	62 - 150	1	30		
Carbon disulfide	108	111	73 - 127	3	30		
Carbon tetrachloride	132	124	77 - 137	7	30		
1,1,2-Trichloroethane	92	97	74 - 116	6	30		
Benzene	96	96	75 - 123	0	30		
Chlorodibromomethane	107	107	74 - 124	0	30		
Bromoform	111	109	70 - 130	2	30		
Chloroethane	111	109	60 - 140	2	30		
4-Methyl-2-pentanone (MIBK)	97	97	55 - 133	0	30		
Chloroform	115	112	77 - 122	2	30		
2-Hexanone	94	95	52 - 134	1	30		
Chloromethane	104	102	48 - 144	3	30		
cis-1,2-Dichloroethene	111	104	82 - 121	6	30		
1,1,2,2-Tetrachloroethane	89	92	66 - 121	3	30		
cis-1,3-Dichloropropene	95	93	75 - 119	2	30		
Chlorobenzene	103	102	80 - 120	1	30		
Dichlorobromomethane	115	110	77 - 122	5	30		
Ethylbenzene	107	103	80 - 120	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	117	113	73 - 134	3	30		
Methyl tert-butyl ether	107	107	75 - 124	0	30		
Cyclohexane	101	97	66 - 128	3	30		
Methylene Chloride	134	131	75 - 124	2	30	*	*
Ethylene Dibromide	101	95	78 - 117	6	30		
m-Xylene & p-Xylene	102	101	79 - 120	1	30		
1,3-Dichlorobenzene	104	102	78 - 120	1	30		
o-Xylene	105	100	77 - 120	4	30		
1,4-Dichlorobenzene	103	98	77 - 120	5	30		
Styrene	102	100	78 - 120	2	30		
Tetrachloroethene	111	108	80 - 127	3	30		

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240920

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240920/3	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0910	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240920/4	Analysis Batch:	460-240920	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0935	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	109	106	52 - 145	3	30		
Toluene	98	96	82 - 117	2	30		
1,2,4-Trichlorobenzene	102	101	81 - 127	1	30		
1,4-Dioxane	141	116	69 - 142	20	30		
trans-1,2-Dichloroethene	115	113	83 - 124	1	30		
1,2,3-Trichlorobenzene	100	99	81 - 123	2	30		
trans-1,3-Dichloropropene	101	99	74 - 119	2	30		
Trichloroethene	114	103	78 - 122	10	30		
Chlorobromomethane	110	110	82 - 127	0	30		
Trichlorofluoromethane	140	139	63 - 147	0	30		
Isopropylbenzene	107	104	80 - 120	3	30		
Vinyl chloride	109	110	62 - 132	1	30		
1,2-Dichloroethane	115	111	79 - 120	4	30		
Methyl acetate	105	105	61 - 137	0	30		
1,2-Dichlorobenzene	101	101	77 - 120	0	30		
Methylcyclohexane	109	105	80 - 125	4	30		
1,2-Dibromo-3-Chloropropane	104	107	61 - 125	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	109	70 - 130
4-Bromofluorobenzene	104	107	70 - 130
Toluene-d8 (Surr)	97	101	70 - 130
Dibromofluoromethane (Surr)	109	109	70 - 130

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-239987

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-239987/1-A	Analysis Batch:	460-240561	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2935.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2014 1607	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	44	330
1,2,4,5-Tetrachlorobenzene	330	U	44	330
2,2'-oxybis[1-chloropropane]	330	U	37	330
2,3,4,6-Tetrachlorophenol	330	U	43	330
2,4,5-Trichlorophenol	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
2,4-Dichlorophenol	330	U	48	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dinitrophenol	670	U	190	670
2,4-Dinitrotoluene	67	U	11	67
2,6-Dinitrotoluene	67	U	10	67
2-Chloronaphthalene	330	U	37	330
2-Chlorophenol	330	U	43	330
2-Methylnaphthalene	330	U	42	330
2-Methylphenol	330	U	56	330
2-Nitroaniline	330	U	140	330
2-Nitrophenol	330	U	37	330
3,3'-Dichlorobenzidine	330	U	120	330
3-Nitroaniline	330	U	120	330
4,6-Dinitro-2-methylphenol	670	U	90	670
4-Bromophenyl phenyl ether	330	U	33	330
4-Chloro-3-methylphenol	330	U	50	330
4-Chloroaniline	330	U	88	330
4-Chlorophenyl phenyl ether	330	U	39	330
4-Methylphenol	330	U	65	330
4-Nitroaniline	670	U	100	670
4-Nitrophenol	330	U	210	330
Acenaphthene	330	U	48	330
Acenaphthylene	330	U	39	330
Acetophenone	330	U	51	330
Anthracene	330	U	40	330
Atrazine	330	U	51	330
Benzaldehyde	330	U	39	330
Benzo[a]anthracene	33	U	2.3	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[g,h,i]perylene	330	U	24	330
Benzo[k]fluoranthene	33	U	2.5	33
Bis(2-chloroethoxy)methane	330	U	43	330
Bis(2-chloroethyl)ether	33	U	4.5	33
Bis(2-ethylhexyl) phthalate	330	U	110	330
Butyl benzyl phthalate	330	U	30	330
Caprolactam	330	U	76	330
Carbazole	330	U	39	330
Chrysene	330	U	39	330

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-239987

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-239987/1-A	Analysis Batch:	460-240561	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2935.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2014 1607	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	4.2	33
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Dimethyl phthalate	330	U	39	330
Di-n-butyl phthalate	330	U	41	330
Di-n-octyl phthalate	330	U	21	330
Fluoranthene	330	U	44	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
Hexachlorobutadiene	67	U	8.1	67
Hexachlorocyclopentadiene	330	U	39	330
Hexachloroethane	33	U	3.7	33
Indeno[1,2,3-cd]pyrene	33	U	6.1	33
Isophorone	330	U	40	330
Naphthalene	330	U	38	330
Nitrobenzene	33	U	4.7	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	670	U	99	670
Phenanthrene	330	U	42	330
Phenol	330	U	44	330
Pyrene	330	U	28	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	73	19 - 114
2-Fluorobiphenyl	87	49 - 112
2-Fluorophenol (Surr)	85	39 - 103
Nitrobenzene-d5 (Surr)	90	40 - 106
Phenol-d5 (Surr)	84	44 - 104
Terphenyl-d14 (Surr)	98	41 - 145

Method Blank TICs- Batch: 460-239987

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Aldol condensation product	2.86	5140	J A
111-06-8	Hexadecanoic acid, butyl ester	10.29	490	J N

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-239987

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-239987/2-A	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2849.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/02/2014 1234	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3320	2670	80	10 - 134	
1,2,4,5-Tetrachlorobenzene	3320	2670	80	45 - 95	
2,2'-oxybis[1-chloropropane]	3320	2950	89	31 - 101	
2,3,4,6-Tetrachlorophenol	3320	2990	90	49 - 104	
2,4,5-Trichlorophenol	3320	3120	94	49 - 96	
2,4,6-Trichlorophenol	3320	2770	83	49 - 96	
2,4-Dichlorophenol	3320	2840	85	50 - 100	
2,4-Dimethylphenol	3320	2720	82	46 - 95	
2,4-Dinitrophenol	6650	5560	84	10 - 139	
2,4-Dinitrotoluene	3320	3130	94	49 - 102	
2,6-Dinitrotoluene	3320	3000	90	52 - 104	
2-Chloronaphthalene	3320	2610	79	49 - 93	
2-Chlorophenol	3320	2400	72	49 - 96	
2-Methylnaphthalene	3320	2790	84	52 - 100	
2-Methylphenol	3320	2520	76	47 - 99	
2-Nitroaniline	3320	2490	75	35 - 92	
2-Nitrophenol	3320	2650	80	51 - 98	
3,3'-Dichlorobenzidine	3320	2270	68	9 - 89	
3-Nitroaniline	3320	2180	66	19 - 90	
4,6-Dinitro-2-methylphenol	6650	5560	84	14 - 128	
4-Bromophenyl phenyl ether	3320	2840	86	50 - 103	
4-Chloro-3-methylphenol	3320	3260	98	50 - 102	
4-Chloroaniline	3320	1900	57	10 - 86	
4-Chlorophenyl phenyl ether	3320	2780	84	49 - 95	
4-Methylphenol	3320	2600	78	43 - 100	
4-Nitroaniline	3320	2960	89	33 - 102	
4-Nitrophenol	6650	6780	102	34 - 112	
Acenaphthene	3320	2560	77	48 - 99	
Acenaphthylene	3320	2800	84	49 - 97	
Acetophenone	3320	2660	80	10 - 126	
Anthracene	3320	2830	85	51 - 97	
Atrazine	3320	2440	73	10 - 147	
Benzo[a]anthracene	3320	2930	88	51 - 97	
Benzo[a]pyrene	3320	3100	93	59 - 116	
Benzo[b]fluoranthene	3320	3350	101	55 - 115	
Benzo[g,h,i]perylene	3320	2980	90	46 - 120	
Benzo[k]fluoranthene	3320	3400	102	53 - 113	
Bis(2-chloroethoxy)methane	3320	2660	80	48 - 95	
Bis(2-chloroethyl)ether	3320	2530	76	45 - 92	
Bis(2-ethylhexyl) phthalate	3320	3190	96	47 - 102	
Butyl benzyl phthalate	3320	3060	92	47 - 107	

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-239987

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-239987/2-A	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2849.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/02/2014 1234	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Caprolactam	3320	2340	70	10 - 120	
Carbazole	3320	2850	86	50 - 102	
Chrysene	3320	2830	85	50 - 94	
Dibenz(a,h)anthracene	3320	3020	91	48 - 115	
Dibenzofuran	3320	2730	82	50 - 96	
Diethyl phthalate	3320	3070	92	46 - 100	
Dimethyl phthalate	3320	2900	87	51 - 99	
Di-n-butyl phthalate	3320	3030	91	50 - 99	
Di-n-octyl phthalate	3320	3840	116	43 - 120	
Fluoranthene	3320	2910	88	45 - 101	
Fluorene	3320	2830	85	50 - 95	
Hexachlorobenzene	3320	3020	91	50 - 104	
Hexachlorobutadiene	3320	2730	82	49 - 97	
Hexachlorocyclopentadiene	3320	2360	71	43 - 115	
Hexachloroethane	3320	2590	78	47 - 88	
Indeno[1,2,3-cd]pyrene	3320	2970	89	47 - 124	
Isophorone	3320	2810	84	51 - 100	
Naphthalene	3320	2650	80	48 - 92	
Nitrobenzene	3320	2750	83	33 - 72	*
N-Nitrosodi-n-propylamine	3320	2910	87	49 - 99	
N-Nitrosodiphenylamine	3320	2890	87	51 - 103	
Pentachlorophenol	6650	5220	79	37 - 99	
Phenanthrene	3320	2810	84	51 - 97	
Phenol	3320	2640	80	46 - 97	
Pyrene	3320	2960	89	39 - 119	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	98	19 - 114
2-Fluorobiphenyl	84	49 - 112
2-Fluorophenol (Surr)	74	39 - 103
Nitrobenzene-d5 (Surr)	89	40 - 106
Phenol-d5 (Surr)	80	44 - 104
Terphenyl-d14 (Surr)	100	41 - 145

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-239987

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-239987/3-A	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2850.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1259	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	6670	5600	84	10 - 139	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	111	19 - 114
2-Fluorobiphenyl	96	49 - 112
2-Fluorophenol (Surr)	88	39 - 103
Nitrobenzene-d5 (Surr)	104	40 - 106
Phenol-d5 (Surr)	93	44 - 104
Terphenyl-d14 (Surr)	114	41 - 145

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-239987

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-80314-D-3-A MS	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2855.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/02/2014 1500			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80314-D-3-B MSD	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2856.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1525			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	90	92	10 - 134	3	30		
1,2,4,5-Tetrachlorobenzene	90	92	45 - 95	2	30		
2,2'-oxybis[1-chloropropane]	97	98	31 - 101	1	30		
2,3,4,6-Tetrachlorophenol	95	95	49 - 104	1	30		
2,4,5-Trichlorophenol	104	109	49 - 96	4	30	*	*
2,4,6-Trichlorophenol	87	89	49 - 96	3	30		
2,4-Dichlorophenol	91	95	50 - 100	4	30		
2,4-Dimethylphenol	88	89	46 - 95	2	30		
2,4-Dinitrophenol	95	96	10 - 139	1	30		
2,4-Dinitrotoluene	102	103	49 - 102	2	30		*
2,6-Dinitrotoluene	98	101	52 - 104	3	30		
2-Chloronaphthalene	88	90	49 - 93	3	30		
2-Chlorophenol	77	77	49 - 96	1	30		
2-Methylnaphthalene	90	92	52 - 100	3	30		
2-Methylphenol	83	85	47 - 99	2	30		
2-Nitroaniline	81	85	35 - 92	6	30		
2-Nitrophenol	86	88	51 - 98	2	30		
3,3'-Dichlorobenzidine	78	88	9 - 89	11	30		
3-Nitroaniline	68	72	19 - 90	6	30		
4,6-Dinitro-2-methylphenol	102	103	14 - 128	1	30		
4-Bromophenyl phenyl ether	98	100	50 - 103	3	30		
4-Chloro-3-methylphenol	102	105	50 - 102	3	30		*
4-Chloroaniline	50	56	10 - 86	12	30		
4-Chlorophenyl phenyl ether	90	92	49 - 95	2	30		
4-Methylphenol	85	85	43 - 100	1	30		
4-Nitroaniline	87	86	33 - 102	1	30		
4-Nitrophenol	91	96	34 - 112	5	30		
Acenaphthene	83	86	48 - 99	3	30		
Acenaphthylene	91	94	49 - 97	4	30		
Acetophenone	86	87	10 - 126	1	30		
Anthracene	92	95	51 - 97	3	30		
Atrazine	82	85	10 - 147	4	30		

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-239987

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-80314-D-3-A MS	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2855.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/02/2014 1500			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80314-D-3-B MSD	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2856.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1525			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	71	70	10 - 139	1	30		
Benzo[a]anthracene	94	98	51 - 97	4	30		*
Benzo[a]pyrene	102	107	59 - 116	4	30		
Benzo[b]fluoranthene	108	112	55 - 115	4	30		
Benzo[g,h,i]perylene	107	115	46 - 120	7	30		
Benzo[k]fluoranthene	108	111	53 - 113	3	30		
Bis(2-chloroethoxy)methane	87	90	48 - 95	3	30		
Bis(2-chloroethyl)ether	82	83	45 - 92	1	30		
Bis(2-ethylhexyl) phthalate	105	110	47 - 102	5	30	*	*
Butyl benzyl phthalate	102	107	47 - 107	5	30		
Caprolactam	82	87	10 - 120	5	30		
Carbazole	93	95	50 - 102	2	30		
Chrysene	93	97	50 - 94	4	30		*
Dibenz(a,h)anthracene	108	113	48 - 115	5	30		
Dibenzofuran	89	92	50 - 96	3	30		
Diethyl phthalate	101	105	46 - 100	3	30	*	*
Dimethyl phthalate	98	100	51 - 99	3	30		*
Di-n-butyl phthalate	101	105	50 - 99	4	30	*	*
Di-n-octyl phthalate	115	116	43 - 120	1	30		
Fluoranthene	91	94	45 - 101	3	30		
Fluorene	91	93	50 - 95	2	30		
Hexachlorobenzene	100	104	50 - 104	4	30		
Hexachlorobutadiene	90	92	49 - 97	2	30		
Hexachlorocyclopentadiene	75	78	43 - 115	4	30		
Hexachloroethane	84	86	47 - 88	2	30		
Indeno[1,2,3-cd]pyrene	105	111	47 - 124	6	30		
Isophorone	92	95	51 - 100	3	30		
Naphthalene	87	88	48 - 92	1	30		
Nitrobenzene	90	92	33 - 72	2	30	*	*
N-Nitrosodi-n-propylamine	96	96	49 - 99	0	30		
N-Nitrosodiphenylamine	98	103	51 - 103	5	30		
Pentachlorophenol	82	77	37 - 99	6	30		

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-239987

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-80314-D-3-A MS	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2855.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/02/2014 1500			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80314-D-3-B MSD	Analysis Batch:	460-240310	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-239987	Lab File ID:	z2856.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/02/2014 1525			Final Weight/Volume:	1 mL
Prep Date:	07/31/2014 2045			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	92	94	51 - 97	3	30		
Phenol	84	85	46 - 97	1	30		
Pyrene	94	96	39 - 119	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	111	110	19 - 114
2-Fluorobiphenyl	98	101	49 - 112
2-Fluorophenol (Surr)	83	82	39 - 103
Nitrobenzene-d5 (Surr)	101	102	40 - 106
Phenol-d5 (Surr)	91	90	44 - 104
Terphenyl-d14 (Surr)	115	117	41 - 145

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240019

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-240019/1-A	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494353.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 0947	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
Chlordane (technical)	67	U	19	67
delta-BHC	6.7	U	1.2	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	76 - 149
Tetrachloro-m-xylene	103	72 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	76 - 149
Tetrachloro-m-xylene	97	72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-240019

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240019/2-A	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 0959	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	149	112	50 - 131	
4,4'-DDE	133	136	102	49 - 130	
4,4'-DDT	133	130	98	48 - 132	
Aldrin	133	132	99	53 - 126	
alpha-BHC	133	137	103	50 - 129	
beta-BHC	133	131	98	51 - 131	
delta-BHC	133	144	108	40 - 130	
Dieldrin	133	137	103	48 - 126	
Endosulfan I	133	136	102	53 - 127	
Endosulfan II	133	135	101	52 - 127	
Endosulfan sulfate	133	117	88	52 - 124	
Endrin	133	138	104	48 - 126	
Endrin aldehyde	133	129	97	57 - 124	
Endrin ketone	133	135	101	55 - 124	
gamma-BHC (Lindane)	133	142	106	52 - 129	
Heptachlor	133	143	107	52 - 128	
Heptachlor epoxide	133	132	99	53 - 122	
Methoxychlor	133	127	96	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	76 - 149
Tetrachloro-m-xylene	109	72 - 136

Lab Control Sample - Batch: 460-240019

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240019/2-A	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 0959	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	146	110	50 - 131	
4,4'-DDE	133	134	101	49 - 130	
4,4'-DDT	133	126	94	48 - 132	
Aldrin	133	131	98	53 - 126	
alpha-BHC	133	136	102	50 - 129	
beta-BHC	133	129	97	51 - 131	

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-240019

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240019/2-A	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 0959	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	134	101	40 - 130	
Dieldrin	133	136	102	48 - 126	
Endosulfan I	133	136	102	53 - 127	
Endosulfan II	133	133	100	52 - 127	
Endosulfan sulfate	133	116	87	52 - 124	
Endrin	133	136	102	48 - 126	
Endrin aldehyde	133	127	95	57 - 124	
Endrin ketone	133	125	94	55 - 124	
gamma-BHC (Lindane)	133	131	98	52 - 129	
Heptachlor	133	122	92	52 - 128	
Heptachlor epoxide	133	126	95	53 - 122	
Methoxychlor	133	114	85	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	76 - 149
Tetrachloro-m-xylene	100	72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240019

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80342-G-7-A MS	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494355.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0025 g
Analysis Date:	08/01/2014 1010			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80342-H-7-A MSD	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494356.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0141 g
Analysis Date:	08/01/2014 1022			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	115	116	69 - 150	1	30		
4,4'-DDE	104	106	70 - 147	1	30		
4,4'-DDT	98	99	63 - 146	1	30		
Aldrin	101	103	69 - 138	2	30		
alpha-BHC	104	106	68 - 133	2	30		
beta-BHC	100	101	67 - 137	1	30		
delta-BHC	111	112	65 - 141	1	30		
Dieldrin	105	106	63 - 129	1	30		
Endosulfan I	105	106	69 - 140	1	30		
Endosulfan II	103	103	66 - 136	0	30		
Endosulfan sulfate	89	90	65 - 137	1	30		
Endrin	106	106	67 - 142	0	30		
Endrin aldehyde	100	101	67 - 134	0	30		
Endrin ketone	103	105	68 - 146	2	30		
gamma-BHC (Lindane)	108	110	68 - 134	1	30		
Heptachlor	109	110	67 - 136	1	30		
Heptachlor epoxide	101	102	68 - 136	1	30		
Methoxychlor	97	99	52 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	114	76 - 149
Tetrachloro-m-xylene	105	109	72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240019

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80342-G-7-A MS	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494355.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0025 g
Analysis Date:	08/01/2014 1010			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80342-H-7-A MSD	Analysis Batch:	460-240123	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-240019	Lab File ID:	VR494356.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0141 g
Analysis Date:	08/01/2014 1022			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0149			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	113	114	69 - 150	1	30		
4,4'-DDE	104	105	70 - 147	1	30		
4,4'-DDT	95	95	63 - 146	1	30		
Aldrin	100	101	69 - 138	1	30		
alpha-BHC	104	105	68 - 133	1	30		
beta-BHC	99	100	67 - 137	1	30		
delta-BHC	104	107	65 - 141	2	30		
Dieldrin	105	106	63 - 129	0	30		
Endosulfan I	104	105	69 - 140	1	30		
Endosulfan II	102	103	66 - 136	1	30		
Endosulfan sulfate	87	88	65 - 137	1	30		
Endrin	106	106	67 - 142	0	30		
Endrin aldehyde	99	100	67 - 134	1	30		
Endrin ketone	99	99	68 - 146	1	30		
gamma-BHC (Lindane)	100	103	68 - 134	3	30		
Heptachlor	93	95	67 - 136	2	30		
Heptachlor epoxide	97	98	68 - 136	1	30		
Methoxychlor	87	88	52 - 150	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	112	76 - 149
Tetrachloro-m-xylene	97	98	72 - 136

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240022

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-240022/1-A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103843.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 1751	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor-1262	67	U	19	67
Aroclor 1268	67	U	19	67
Polychlorinated biphenyls, Total	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	53 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Lab Control Sample - Batch: 460-240022

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240022/2-A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103844.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 1807	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	317	95	64 - 145	
Aroclor 1260	333	314	94	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	53 - 150

Lab Control Sample - Batch: 460-240022

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240022/2-A	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103844.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/01/2014 1807	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	300	90	64 - 145	
Aroclor 1260	333	312	94	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240022

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80342-H-7-C MS	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103845.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0411 g
Analysis Date:	08/01/2014 1824			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80342-G-7-B MSD	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103846.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0251 g
Analysis Date:	08/01/2014 1840			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	91	103	64 - 145	13	30		
Aroclor 1260	85	99	59 - 150	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	100	53 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240022

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80342-H-7-C MS	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103845.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0411 g
Analysis Date:	08/01/2014 1824			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80342-G-7-B MSD	Analysis Batch:	460-240210	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-240022	Lab File ID:	QR103846.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0251 g
Analysis Date:	08/01/2014 1840			Final Weight/Volume:	10 mL
Prep Date:	08/01/2014 0203			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	88	97	64 - 145	10	30		
Aroclor 1260	85	95	59 - 150	12	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	93	53 - 150

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-240341/1-A ^2	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/04/2014 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.19	1.0
Aluminum	20.0	U	11.1	20.0
Arsenic	1.5	U	0.41	1.5
Barium	20.0	U	0.87	20.0
Beryllium	0.20	U	0.14	0.20
Calcium	500	U	38.3	500
Cadmium	0.40	U	0.14	0.40
Cobalt	5.0	U	0.45	5.0
Chromium	1.0	U	0.40	1.0
Copper	2.5	U	0.88	2.5
Iron	15.0	U	12.5	15.0
Potassium	500	U	13.8	500
Magnesium	500	U	33.2	500
Manganese	1.5	U	0.43	1.5
Sodium	500	U	37.8	500
Nickel	4.0	U	0.90	4.0
Lead	1.0	U	0.41	1.0
Antimony	2.0	U	0.76	2.0
Selenium	2.0	U	0.57	2.0
Thallium	2.0	U	0.98	2.0
Vanadium	5.0	U	0.41	5.0
Zinc	3.0	U	0.86	3.0

Client: FPM Group Limited

Job Number: 460-80327-1

LCS-Certified Reference Material - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-240341/2-A	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	08/04/2014 1204	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	42.3	41.72	98.6	66.2 - 134.0	
Aluminum	9310	8222	88.3	43.3 - 156.8	
Arsenic	168	161.8	96.3	70.8 - 129.8	
Barium	213	212.7	99.8	73.2 - 126.8	
Beryllium	110	107.5	97.7	75.1 - 125.5	
Calcium	6870	6917	100.7	74.4 - 125.8	
Cadmium	103	102.0	99.0	73.0 - 126.2	
Cobalt	131	134.2	102.5	74.4 - 125.2	
Chromium	119	119.1	100.1	69.7 - 129.4	
Copper	118	113.9	96.6	74.6 - 124.6	
Iron	13000	12880	99.1	32.2 - 167.7	
Potassium	3130	2832	90.5	62.9 - 136.7	
Magnesium	2780	2586	93.0	65.1 - 135.3	
Manganese	338	350.1	103.6	75.4 - 125.1	
Sodium	350	308.5	88.1	42.9 - 156.9	J
Nickel	70.0	73.01	104.3	70.9 - 129.0	
Lead	76.9	78.57	102.2	68.7 - 131.3	
Antimony	120	64.59	53.8	20.8 - 252.5	
Selenium	126	122.3	97.1	66.7 - 134.1	
Thallium	208	218.6	105.1	69.2 - 130.8	
Vanadium	87.1	83.56	95.9	63.1 - 136.6	
Zinc	276	282.8	102.5	71.4 - 128.6	

Client: FPM Group Limited

Job Number: 460-80327-1

Matrix Spike - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80315-A-5-D MS ^4	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.25 g
Analysis Date:	08/04/2014 1218	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.7	U	4.24	4.64	110	75 - 125	
Aluminum	8370		170	9948	933	75 - 125	4
Arsenic	26.2		170	190.4	97	75 - 125	
Barium	111		170	288.2	104	75 - 125	
Beryllium	0.34	U	4.24	4.61	109	75 - 125	
Calcium	72.2	J	1700	1738	98	75 - 125	
Cadmium	0.67	U	4.24	4.33	102	75 - 125	
Cobalt	4.4	J	42.4	49.65	107	75 - 125	
Chromium	8.9		17.0	26.48	104	75 - 125	
Copper	8.5		21.2	29.97	101	75 - 125	
Potassium	97.3	J	1700	1765	98	75 - 125	
Magnesium	203	J	1700	1868	98	75 - 125	
Manganese	78.7		42.4	119.3	96	75 - 125	
Sodium	841	U	1700	1699	100	75 - 125	
Nickel	7.2		42.4	54.86	112	75 - 125	
Lead	3.1		42.4	48.57	107	75 - 125	
Antimony	3.4	U	42.4	22.28	53	75 - 125	N
Selenium	3.4	U	170	167.8	99	75 - 125	
Thallium	3.4	U	170	181.4	107	75 - 125	
Vanadium	17.6		42.4	60.03	100	75 - 125	
Zinc	21.8		42.4	67.40	108	75 - 125	

Matrix Spike - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80315-A-5-D MS ^1	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.25 g
Analysis Date:	08/04/2014 1426	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Iron	53600	84.8	48530	-5994	75 - 125	4

Client: FPM Group Limited

Job Number: 460-80327-1

Duplicate - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80315-A-5-C DU ^4	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.29 g
Analysis Date:	08/04/2014 1207	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	1.7	U	1.6	NC	20	U
Aluminum	8370		7977	5	20	
Arsenic	26.2		25.33	4	20	
Barium	111		103.9	7	20	
Beryllium	0.34	U	0.33	NC	20	U
Calcium	72.2	J	70.52	2	20	J
Cadmium	0.67	U	0.66	NC	20	U
Cobalt	4.4	J	4.13	7	20	J
Chromium	8.9		8.48	4	20	
Copper	8.5		8.16	5	20	
Potassium	97.3	J	91.86	6	20	J
Magnesium	203	J	195.0	4	20	J
Manganese	78.7		75.83	4	20	
Sodium	841	U	821	NC	20	U
Nickel	7.2		6.79	6	20	
Lead	3.1		2.85	8	20	
Antimony	3.4	U	3.3	NC	20	U
Selenium	3.4	U	3.3	NC	20	U
Thallium	3.4	U	3.3	NC	20	U
Vanadium	17.6		16.67	5	20	
Zinc	21.8		20.32	7	20	

Duplicate - Batch: 460-240341

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80315-A-5-C DU ^1	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240341	Lab File ID:	240529.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.29 g
Analysis Date:	08/04/2014 1415	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/02/2014 1747				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Iron	53600	50920	5	20	

Client: FPM Group Limited

Job Number: 460-80327-1

Method Blank - Batch: 460-240672

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-240672/10-A	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/05/2014 1047	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-240672

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-240672/11-A	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/05/2014 1049	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	23.38	93.1	51.4 - 148.2	

Matrix Spike - Batch: 460-240672

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80234-D-20-J MS	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/05/2014 1055	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.019	0.0847	0.120	120	75 - 125	

Client: FPM Group Limited

Job Number: 460-80327-1

Duplicate - Batch: 460-240672

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80234-D-20-I DU	Analysis Batch:	460-240797	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240672	Lab File ID:	240671HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	08/05/2014 1053	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/05/2014 0540				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.019	0.0261	32	20	

Client: FPM Group Limited

Job Number: 460-80327-1

Duplicate - Batch: 460-240162

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-80341-A-1 DU	Analysis Batch:	460-240162	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/01/2014 1310	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	10.5	10.5	0.2	20	
Percent Solids	89.5	89.5	0.02	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF C

460-80327 Chain of Custody

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) George Holmes	Samplers Name (Printed) George Holmes	Site/Project Identification Farrington Realty
Company FPM Group	P. O. # 1135g-14-03	State (Location of site): NJ: [ ] NY: [X] Other:
		Regulatory Program: Report with Batch QA/QC
Address 909 Marconi Avenue	Analysis Turnaround Time: Standard [X]	
City Ronkonkoma State NY 11779	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone (631) 737-6200 Fax (631) 737-2410		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals							Sample Numbers
B-12 (0-2)	7/30/14	13:15	S	5	X	X	X	X	X							1
B-12 (25-27)	↓	13:30	↓	↓	↓	↓	↓	↓	↓							2
TB0730	↓	12:00	Aq	2	↓											3
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1											
6 = Other _____, 7 = Other _____				Water:	1, 2											

LAB USE ONLY
Project No:
Job No: 80327

SHORT HOLD

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	FPM Group	7/31/14 11:00	1) [signature]	[signature]
2) [signature]	R.A. NYC	7/31/14 1:30	2) [signature]	TA 7/31/14 1:30
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.5 / 3.4 ±RH 5 NoCu

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 80327

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	16 °C	24 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [illegible] Date: 7/31/14

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-80327-1

Login Number: 80327

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 460-80389-1

Job Description: Farrington Realty

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Shalini Isaac
Project Management Assistant II
8/12/2014 3:33 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
08/12/2014

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

CASE NARRATIVE

Client: FPM Group Limited

Project: Farrington Realty

Report Number: 460-80389-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 8/1/2014 1:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.3º C and 3.3º C.

Except:

Method(s) Moisture: The sample duplicate precision for the following sample associated with batch <<240206>> was outside control limits.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 08/01/2014 and analyzed on 08/06/2014 and 08/07/2014.

Internal standard (ISTD) response for 1,4-Dioxane-d8 for the following sample was outside acceptance criteria: B-5 (0-2) (460-80389-14). This ISTD does not correspond to any of the detected target compounds; therefore, the data have been reported.

Internal standard (ISTD) response (1,4-Dioxane-d8) for the following sample was outside of acceptance limits: GW-6 (460-80389-6). The data have been flagged and reported.

The continuing calibration verification (CCV) associated with batch 241089 recovered outside control limit for Carbon Disulfide and 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-241089/2).

The continuing calibration verification (CCV) associated with batch 240843 recovered outside control limit for 2-Hexanone, trans-1,3-Dichloropropene and 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-240843/2).

The continuing calibration verification (CCV) associated with batch 241152 recovered outside control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-241152/3).

Surrogate recovery (Dibromofluoromethane) for the following sample was outside control limits: B-11 (0-2) (460-80389-8). Surrogate recovery for the other three system monitoring compounds were within control limits, therefore re-analysis was not performed.

Acetone was detected in method blank MB 460-240843/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Acetone was detected in method blank MB 460-241089/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

2-Butanone (MEK) and Methylene Chloride were detected in method blank MB 460-241089/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Acetone was detected in method blank MB 460-241152/7 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Methylene Chloride was detected in method blank MB 460-241152/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for B-11 (0-2) (460-80389-8).

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANICS

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6), GW-2 (460-80389-7), RXMW-6 (460-80389-10), MW-17 (460-80389-11) and TB0731 (460-80389-18) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 08/06/2014 and 08/07/2014.

Chlorobenzene failed the recovery criteria high for the MS/MSD of sample 460-80331-3 in batch 460-241211.

Bromomethane failed the recovery criteria high for the MS/MSD of sample GW-3MS (460-80389-1) in batch 460-241085. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/01/2014 and analyzed on 08/04/2014, 08/05/2014 and 08/06/2014.

The continuing calibration verification (CCV) associated with batch 240443 recovered outside the 20%D criteria for the following analyte: Hexachlorocyclopentadiene. The low level standard was run and demonstrated adequate sensitivity. The samples associated with this CCV are reported as estimated values for the affected analytes whether detected or non-detected as per the 8270D method.

The continuing calibration verification (CCV) associated with batch 240573 recovered outside the 20%D criteria for the following analytes: Caprolactam, 4-Nitrophenol, 2,4,6-Tribromophenol, Hexachlorocyclopentadiene and Di-n-octyl phthalate. The low level standard was run and demonstrated adequate sensitivity. The samples associated with this CCV are reported as estimated values for the affected analytes whether detected or non-detected as per the 8270D method.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 240245 had one analyte (Nitrobenzene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Nitrobenzene failed the recovery criteria high for LCS 460-240245/2-A.

Indeno[1,2,3-cd]pyrene and Nitrobenzene failed the recovery criteria high for the MS of sample 480-64613-24 in batch 460-240443. Indeno[1,2,3-cd]pyrene, Nitrobenzene and N-Nitrosodiphenylamine failed the recovery criteria high for the MSD of sample 480-64613-24 in batch 460-240443.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/02/2014 and analyzed on 08/04/2014.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 240301 had two analyte (Benzo[a]pyrene and Fluorene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 240301 had three analyte (3,3'-Dichlorobenzidine, 4-Chloroaniline and Benzo[a]pyrene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Benzo[a]pyrene and Fluorene failed the recovery criteria high for LCS 460-240301/2-A. Benzo[a]pyrene failed the recovery criteria high for LCSD 460-240301/3-A. 3,3'-Dichlorobenzidine and 4-Chloroaniline exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared on 08/04/2014 and 08/05/2014 and analyzed on 08/04/2014 and 08/07/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for Pesticides in accordance with EPA SW-846 Methods 1311/ 8081A. The samples were prepared on 08/04/2014 and analyzed on 08/05/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared on 08/04/2014 and 08/05/2014 and analyzed on 08/04/2014 and 08/06/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/04/2014 and analyzed on 08/05/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 08/03/2014 and analyzed on 08/04/2014.

Antimony failed the recovery criteria low for the MS of sample 460-80362-5 in batch 460-240623. Aluminum, Iron and Manganese failed the recovery criteria high.

Refer to the QC report for details.

Samples B-11 (0-2) (460-80389-8)[4X], B-11 (25-27) (460-80389-9)[4X], B-6 (0-2) (460-80389-12)[4X], B-6 (25-27) (460-80389-13)[4X],

B-5 (0-2) (460-80389-14)[4X], B-5 (25-27) (460-80389-15)[4X], B-4 (0-2) (460-80389-16)[4X] and B-4 (25-27) (460-80389-17)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix (high internal std recovery-Yttrium): (460-80362-5 DU), (460-80362-5 MS), (460-80362-5 PDS), (460-80362-5 SD), FD-PE-1/1' (460-80362-5). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 08/06/2014 and analyzed on 08/06/2014 and 08/07/2014.

Calcium, Iron and Sodium failed the recovery criteria low for the MS of sample GW-6MS (460-80389-6) in batch 460-241575.

Refer to the QC report for details.

Samples GW-1 (460-80389-2)[10X], GW-4 (460-80389-3)[10X], GW-4D (460-80389-4)[10X], GW-5 (460-80389-5)[10X], GW-6 (460-80389-6)[10X] and GW-2 (460-80389-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 08/01/2014 and analyzed on 08/04/2014.

Calcium and Sodium failed the recovery criteria low for the MS of sample 460-80271-5 in batch 460-240623.

Refer to the QC report for details.

Samples GW-1 (460-80389-2)[20X], GW-4 (460-80389-3)[20X], GW-4D (460-80389-4)[20X], GW-5 (460-80389-5)[20X], GW-6 (460-80389-6)[20X] and GW-2 (460-80389-7)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/05/2014.

No difficulties were encountered during the dissolved mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples GW-3 (460-80389-1), GW-1 (460-80389-2), GW-4 (460-80389-3), GW-4D (460-80389-4), GW-5 (460-80389-5), GW-6 (460-80389-6) and GW-2 (460-80389-7) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/04/2014.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 08/06/2014.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples B-11 (0-2) (460-80389-8), B-11 (25-27) (460-80389-9), B-6 (0-2) (460-80389-12), B-6 (25-27) (460-80389-13), B-5 (0-2) (460-80389-14), B-5 (25-27) (460-80389-15), B-4 (0-2) (460-80389-16) and B-4 (25-27) (460-80389-17) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/01/2014.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-80387-6.

Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-1	**GW-3**					
Chloroform		1.8		1.0	ug/L	8260C
Chloromethane		0.46	J	1.0	ug/L	8260C
Tetrachloroethene		0.27	J	1.0	ug/L	8260C
Fluoranthene		2.4	J	12	ug/L	8270D
Phenanthrene		3.7	J	12	ug/L	8270D
Pyrene		2.2	J	12	ug/L	8270D
Aluminum		3920		200	ug/L	6010C
Barium		87.4	J	200	ug/L	6010C
Calcium		93400		5000	ug/L	6010C
Cobalt		4.8	J	50.0	ug/L	6010C
Chromium		22.7		10.0	ug/L	6010C
Copper		19.9	J	25.0	ug/L	6010C
Iron		14100		150	ug/L	6010C
Potassium		10100		5000	ug/L	6010C
Magnesium		10900		5000	ug/L	6010C
Manganese		397		15.0	ug/L	6010C
Sodium		142000		5000	ug/L	6010C
Nickel		19.1	J	40.0	ug/L	6010C
Vanadium		10.2	J	50.0	ug/L	6010C
Zinc		58.9		30.0	ug/L	6010C
Dissolved						
Aluminum		107	J	200	ug/L	6010C
Barium		56.3	J	200	ug/L	6010C
Calcium		92200		5000	ug/L	6010C
Potassium		10300		5000	ug/L	6010C
Magnesium		10200		5000	ug/L	6010C
Manganese		136		15.0	ug/L	6010C
Sodium		155000		5000	ug/L	6010C
Lead		8.0	J	10.0	ug/L	6010C
Zinc		7.2	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-2	**GW-1**					
Acetone		16		5.0	ug/L	8260C
Chloromethane		1.0		1.0	ug/L	8260C
Tetrachloroethene		0.29	J	1.0	ug/L	8260C
Benzo[a]pyrene		0.33	J *	1.1	ug/L	8270D
Carbazole		1.7	J	11	ug/L	8270D
Fluoranthene		2.2	J	11	ug/L	8270D
Naphthalene		2.3	J	11	ug/L	8270D
Phenanthrene		6.7	J	11	ug/L	8270D
Pyrene		2.2	J	11	ug/L	8270D
Aluminum		27000		200	ug/L	6010C
Barium		457		200	ug/L	6010C
Calcium		69900		5000	ug/L	6010C
Cobalt		28.8	J	50.0	ug/L	6010C
Chromium		141		10.0	ug/L	6010C
Copper		86.7		25.0	ug/L	6010C
Iron		57000		150	ug/L	6010C
Potassium		16900		5000	ug/L	6010C
Magnesium		19800		5000	ug/L	6010C
Manganese		2150		15.0	ug/L	6010C
Sodium		391000		100000	ug/L	6010C
Nickel		77.7		40.0	ug/L	6010C
Lead		28.2		10.0	ug/L	6010C
Vanadium		67.5		50.0	ug/L	6010C
Zinc		219		30.0	ug/L	6010C
Dissolved						
Aluminum		77.9	J	200	ug/L	6010C
Barium		157	J	200	ug/L	6010C
Calcium		65500		5000	ug/L	6010C
Cobalt		7.4	J	50.0	ug/L	6010C
Potassium		8680		5000	ug/L	6010C
Magnesium		12200		5000	ug/L	6010C
Manganese		1830		15.0	ug/L	6010C
Sodium		421000		50000	ug/L	6010C
Nickel		12.1	J	40.0	ug/L	6010C
Lead		14.7		10.0	ug/L	6010C
Zinc		13.0	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-3	**GW-4**					
2-Butanone (MEK)		20		5.0	ug/L	8260C
Acetone		24		5.0	ug/L	8260C
cis-1,2-Dichloroethene		3.1		1.0	ug/L	8260C
Isopropylbenzene		5.6		1.0	ug/L	8260C
Methyl tert-butyl ether		0.17	J	1.0	ug/L	8260C
Methylcyclohexane		34		1.0	ug/L	8260C
Tetrachloroethene		140		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.44	J	1.0	ug/L	8260C
Trichloroethene		22		1.0	ug/L	8260C
Bis(2-ethylhexyl) phthalate		8.2	J	11	ug/L	8270D
Aluminum		1920		200	ug/L	6010C
Barium		106	J	200	ug/L	6010C
Calcium		33300		5000	ug/L	6010C
Chromium		6.7	J	10.0	ug/L	6010C
Copper		12.3	J	25.0	ug/L	6010C
Iron		4220		150	ug/L	6010C
Potassium		8220		5000	ug/L	6010C
Magnesium		6590		5000	ug/L	6010C
Manganese		162		15.0	ug/L	6010C
Sodium		1120000		100000	ug/L	6010C
Nickel		10.5	J	40.0	ug/L	6010C
Vanadium		5.5	J	50.0	ug/L	6010C
Zinc		20.9	J	30.0	ug/L	6010C
Dissolved						
Barium		94.5	J	200	ug/L	6010C
Calcium		35300		5000	ug/L	6010C
Potassium		9310		5000	ug/L	6010C
Magnesium		6470		5000	ug/L	6010C
Manganese		135		15.0	ug/L	6010C
Sodium		1220000		50000	ug/L	6010C
Lead		9.3	J	10.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-4	**GW-4D**					
2-Butanone (MEK)		31		5.0	ug/L	8260C
Acetone		40		5.0	ug/L	8260C
cis-1,2-Dichloroethene		2.9		1.0	ug/L	8260C
Isopropylbenzene		7.3		1.0	ug/L	8260C
Methyl tert-butyl ether		0.14	J	1.0	ug/L	8260C
Methylcyclohexane		53		1.0	ug/L	8260C
Tetrachloroethene		140		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.40	J	1.0	ug/L	8260C
Trichloroethene		21		1.0	ug/L	8260C
2-Methylnaphthalene		2.3	J	11	ug/L	8270D
Aluminum		1930		200	ug/L	6010C
Barium		99.8	J	200	ug/L	6010C
Calcium		30300		5000	ug/L	6010C
Chromium		7.1	J	10.0	ug/L	6010C
Copper		10.8	J	25.0	ug/L	6010C
Iron		3960		150	ug/L	6010C
Potassium		7910		5000	ug/L	6010C
Magnesium		6030		5000	ug/L	6010C
Manganese		149		15.0	ug/L	6010C
Sodium		1090000		100000	ug/L	6010C
Nickel		10.1	J	40.0	ug/L	6010C
Vanadium		5.1	J	50.0	ug/L	6010C
Zinc		19.9	J	30.0	ug/L	6010C
Dissolved						
Barium		93.0	J	200	ug/L	6010C
Calcium		35500		5000	ug/L	6010C
Potassium		9090		5000	ug/L	6010C
Magnesium		6530		5000	ug/L	6010C
Manganese		144		15.0	ug/L	6010C
Sodium		1230000		50000	ug/L	6010C
Lead		9.7	J	10.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-5	**GW-5**					
Acetone		17		5.0	ug/L	8260C
Chloromethane		0.59	J	1.0	ug/L	8260C
Tetrachloroethene		0.23	J	1.0	ug/L	8260C
Phenanthrene		2.0	J	11	ug/L	8270D
Aluminum		11400		200	ug/L	6010C
Barium		348		200	ug/L	6010C
Calcium		190000		5000	ug/L	6010C
Cobalt		9.3	J	50.0	ug/L	6010C
Chromium		82.3		10.0	ug/L	6010C
Copper		59.8		25.0	ug/L	6010C
Iron		30800		150	ug/L	6010C
Potassium		27800		5000	ug/L	6010C
Magnesium		34400		5000	ug/L	6010C
Manganese		1010		15.0	ug/L	6010C
Sodium		1150000		100000	ug/L	6010C
Nickel		43.4		40.0	ug/L	6010C
Vanadium		31.8	J	50.0	ug/L	6010C
Zinc		110		30.0	ug/L	6010C
Dissolved						
Aluminum		167	J	200	ug/L	6010C
Barium		193	J	200	ug/L	6010C
Calcium		202000		5000	ug/L	6010C
Potassium		27900		5000	ug/L	6010C
Magnesium		34500		5000	ug/L	6010C
Manganese		872		15.0	ug/L	6010C
Sodium		1220000		50000	ug/L	6010C
Nickel		10.2	J	40.0	ug/L	6010C
Lead		10.6		10.0	ug/L	6010C
Zinc		13.3	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-6	**GW-6**					
Acetone		14		5.0	ug/L	8260C
Chloroform		0.11	J	1.0	ug/L	8260C
Chloromethane		0.62	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260C
Tetrachloroethene		6.0		1.0	ug/L	8260C
Trichloroethene		0.60	J	1.0	ug/L	8260C
Aluminum		6390		200	ug/L	6010C
Barium		318		200	ug/L	6010C
Calcium		201000		5000	ug/L	6010C
Cobalt		13.6	J	50.0	ug/L	6010C
Chromium		120		10.0	ug/L	6010C
Copper		48.5		25.0	ug/L	6010C
Iron		23700		3000	ug/L	6010C
Potassium		23200		5000	ug/L	6010C
Magnesium		47700		5000	ug/L	6010C
Manganese		711		15.0	ug/L	6010C
Sodium		452000		100000	ug/L	6010C
Nickel		50.9		40.0	ug/L	6010C
Vanadium		14.9	J	50.0	ug/L	6010C
Zinc		414		30.0	ug/L	6010C
Dissolved						
Aluminum		202		200	ug/L	6010C
Barium		275		200	ug/L	6010C
Calcium		228000		5000	ug/L	6010C
Cobalt		14.0	J	50.0	ug/L	6010C
Potassium		25900		5000	ug/L	6010C
Magnesium		52700		5000	ug/L	6010C
Manganese		880		15.0	ug/L	6010C
Sodium		512000		50000	ug/L	6010C
Nickel		26.3	J	40.0	ug/L	6010C
Lead		11.4		10.0	ug/L	6010C
Zinc		214		30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-7	**GW-2**					
Acetone		14		5.0	ug/L	8260C
cis-1,2-Dichloroethene		36		1.0	ug/L	8260C
Isopropylbenzene		0.33	J	1.0	ug/L	8260C
Tetrachloroethene		10		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.94	J	1.0	ug/L	8260C
Trichloroethene		18		1.0	ug/L	8260C
Vinyl chloride		1.3		1.0	ug/L	8260C
Aluminum		14300		200	ug/L	6010C
Barium		176	J	200	ug/L	6010C
Calcium		134000		5000	ug/L	6010C
Cobalt		23.4	J	50.0	ug/L	6010C
Chromium		79.9		10.0	ug/L	6010C
Copper		98.1		25.0	ug/L	6010C
Iron		40800		150	ug/L	6010C
Potassium		14800		5000	ug/L	6010C
Magnesium		37500		5000	ug/L	6010C
Manganese		1340		15.0	ug/L	6010C
Sodium		658000		100000	ug/L	6010C
Nickel		65.2		40.0	ug/L	6010C
Lead		24.3		10.0	ug/L	6010C
Vanadium		46.9	J	50.0	ug/L	6010C
Zinc		112		30.0	ug/L	6010C
Dissolved						
Aluminum		158	J	200	ug/L	6010C
Barium		85.0	J	200	ug/L	6010C
Calcium		150000		5000	ug/L	6010C
Cobalt		4.2	J	50.0	ug/L	6010C
Potassium		13600		5000	ug/L	6010C
Magnesium		38800		5000	ug/L	6010C
Manganese		1350		15.0	ug/L	6010C
Sodium		697000		50000	ug/L	6010C
Nickel		17.1	J	40.0	ug/L	6010C
Lead		12.5		10.0	ug/L	6010C
Zinc		14.8	J	30.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-8	**B-11 (0-2)**					
Methylene Chloride		1.8		1.1	ug/Kg	8260C
Acetone		37	B	5.5	ug/Kg	8260C
Toluene		0.32	J	1.1	ug/Kg	8260C
Silver		0.31	J	1.5	mg/Kg	6010C
Aluminum		4520		29.8	mg/Kg	6010C
Barium		44.5		29.8	mg/Kg	6010C
Calcium		827		745	mg/Kg	6010C
Cobalt		8.4		7.5	mg/Kg	6010C
Chromium		14.2		1.5	mg/Kg	6010C
Copper		24.5		3.7	mg/Kg	6010C
Iron		17900		22.4	mg/Kg	6010C
Potassium		1480		745	mg/Kg	6010C
Magnesium		1600		745	mg/Kg	6010C
Manganese		386		2.2	mg/Kg	6010C
Sodium		130	J	745	mg/Kg	6010C
Nickel		14.2		6.0	mg/Kg	6010C
Lead		3.1		1.5	mg/Kg	6010C
Vanadium		19.8		7.5	mg/Kg	6010C
Zinc		18.8		4.5	mg/Kg	6010C
Percent Moisture		2.7		1.0	%	Moisture
Percent Solids		97.3		1.0	%	Moisture
460-80389-9	**B-11 (25-27)**					
Methylene Chloride		0.74	J	1.1	ug/Kg	8260C
Toluene		0.41	J	1.1	ug/Kg	8260C
Aluminum		3530		33.0	mg/Kg	6010C
Barium		35.0		33.0	mg/Kg	6010C
Calcium		492	J	824	mg/Kg	6010C
Cobalt		3.9	J	8.2	mg/Kg	6010C
Chromium		9.8		1.6	mg/Kg	6010C
Copper		12.1		4.1	mg/Kg	6010C
Iron		9210		24.7	mg/Kg	6010C
Potassium		1060		824	mg/Kg	6010C
Magnesium		1250		824	mg/Kg	6010C
Manganese		134		2.5	mg/Kg	6010C
Sodium		423	J	824	mg/Kg	6010C
Nickel		10.9		6.6	mg/Kg	6010C
Lead		1.9		1.6	mg/Kg	6010C
Vanadium		11.9		8.2	mg/Kg	6010C
Zinc		13.9		4.9	mg/Kg	6010C
Percent Moisture		4.4		1.0	%	Moisture
Percent Solids		95.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-10	**RXMW-6**					
Chloroform		0.29	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.42	J	1.0	ug/L	8260C
Tetrachloroethene		14		1.0	ug/L	8260C
Trichloroethene		0.72	J	1.0	ug/L	8260C
460-80389-11	**MW-17**					
1,4-Dichlorobenzene		0.25	J	1.0	ug/L	8260C
Chloroform		0.37	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.7		1.0	ug/L	8260C
Tetrachloroethene		35		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.23	J	1.0	ug/L	8260C
Trichloroethene		8.0		1.0	ug/L	8260C
460-80389-12	**B-6 (0-2)**					
Methylene Chloride		0.52	J B	1.0	ug/Kg	8260C
Toluene		0.20	J	1.0	ug/Kg	8260C
Benzo[a]pyrene		8.9	J	34	ug/Kg	8270D
Aluminum		3440		27.7	mg/Kg	6010C
Barium		36.7		27.7	mg/Kg	6010C
Calcium		681	J	694	mg/Kg	6010C
Cobalt		5.2	J	6.9	mg/Kg	6010C
Chromium		10.7		1.4	mg/Kg	6010C
Copper		14.6		3.5	mg/Kg	6010C
Iron		11700		20.8	mg/Kg	6010C
Potassium		1290		694	mg/Kg	6010C
Magnesium		1340		694	mg/Kg	6010C
Manganese		171		2.1	mg/Kg	6010C
Nickel		10.9		5.5	mg/Kg	6010C
Lead		2.4		1.4	mg/Kg	6010C
Vanadium		13.0		6.9	mg/Kg	6010C
Zinc		24.9		4.2	mg/Kg	6010C
Percent Moisture		3.9		1.0	%	Moisture
Percent Solids		96.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-13	**B-6 (25-27)**					
Toluene		0.15	J	0.96	ug/Kg	8260C
Aluminum		3130		30.1	mg/Kg	6010C
Barium		33.1		30.1	mg/Kg	6010C
Calcium		782		754	mg/Kg	6010C
Cobalt		4.4	J	7.5	mg/Kg	6010C
Chromium		10.7		1.5	mg/Kg	6010C
Copper		16.6		3.8	mg/Kg	6010C
Iron		11300		22.6	mg/Kg	6010C
Potassium		911		754	mg/Kg	6010C
Magnesium		1090		754	mg/Kg	6010C
Manganese		126		2.3	mg/Kg	6010C
Nickel		11.3		6.0	mg/Kg	6010C
Lead		2.1		1.5	mg/Kg	6010C
Vanadium		14.2		7.5	mg/Kg	6010C
Zinc		14.6		4.5	mg/Kg	6010C
Percent Moisture		4.5		1.0	%	Moisture
Percent Solids		95.5		1.0	%	Moisture
460-80389-14	**B-5 (0-2)**					
Toluene		0.23	J	1.0	ug/Kg	8260C
Benzo[a]anthracene		9.7	J	34	ug/Kg	8270D
Aluminum		6450		31.3	mg/Kg	6010C
Barium		98.9		31.3	mg/Kg	6010C
Calcium		817		782	mg/Kg	6010C
Cobalt		5.6	J	7.8	mg/Kg	6010C
Chromium		16.3		1.6	mg/Kg	6010C
Copper		11.1		3.9	mg/Kg	6010C
Iron		13700		23.4	mg/Kg	6010C
Potassium		3280		782	mg/Kg	6010C
Magnesium		3020		782	mg/Kg	6010C
Manganese		166		2.3	mg/Kg	6010C
Sodium		164	J	782	mg/Kg	6010C
Nickel		17.6		6.3	mg/Kg	6010C
Lead		2.4		1.6	mg/Kg	6010C
Vanadium		19.3		7.8	mg/Kg	6010C
Zinc		27.4		4.7	mg/Kg	6010C
Mercury		0.012	J	0.016	mg/Kg	7471B
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-15	**B-5 (25-27)**					
Methylene Chloride		1.1		1.0	ug/Kg	8260C
Toluene		0.22	J	1.0	ug/Kg	8260C
Aluminum		2930		34.0	mg/Kg	6010C
Barium		33.8	J	34.0	mg/Kg	6010C
Calcium		472	J	850	mg/Kg	6010C
Cobalt		3.2	J	8.5	mg/Kg	6010C
Chromium		7.3		1.7	mg/Kg	6010C
Copper		9.0		4.3	mg/Kg	6010C
Iron		6040		25.5	mg/Kg	6010C
Potassium		967		850	mg/Kg	6010C
Magnesium		1040		850	mg/Kg	6010C
Manganese		134		2.6	mg/Kg	6010C
Nickel		8.1		6.8	mg/Kg	6010C
Lead		1.4	J	1.7	mg/Kg	6010C
Vanadium		7.9	J	8.5	mg/Kg	6010C
Zinc		10.5		5.1	mg/Kg	6010C
Percent Moisture		5.2		1.0	%	Moisture
Percent Solids		94.8		1.0	%	Moisture
460-80389-16	**B-4 (0-2)**					
Methylene Chloride		0.85	J B	1.0	ug/Kg	8260C
Toluene		0.22	J	1.0	ug/Kg	8260C
Aluminum		5880		34.2	mg/Kg	6010C
Barium		60.2		34.2	mg/Kg	6010C
Calcium		403	J	855	mg/Kg	6010C
Cobalt		5.8	J	8.6	mg/Kg	6010C
Chromium		14.6		1.7	mg/Kg	6010C
Copper		10.4		4.3	mg/Kg	6010C
Iron		15800		25.7	mg/Kg	6010C
Potassium		2260		855	mg/Kg	6010C
Magnesium		2190		855	mg/Kg	6010C
Manganese		265		2.6	mg/Kg	6010C
Nickel		13.2		6.8	mg/Kg	6010C
Lead		3.4		1.7	mg/Kg	6010C
Vanadium		18.6		8.6	mg/Kg	6010C
Zinc		42.1		5.1	mg/Kg	6010C
Percent Moisture		4.9		1.0	%	Moisture
Percent Solids		95.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80389-17	**B-4 (25-27)**					
Benzo[a]pyrene		8.6	J	34	ug/Kg	8270D
Aluminum		3710		32.3	mg/Kg	6010C
Barium		45.9		32.3	mg/Kg	6010C
Calcium		747	J	807	mg/Kg	6010C
Cobalt		3.9	J	8.1	mg/Kg	6010C
Chromium		9.5		1.6	mg/Kg	6010C
Copper		9.1		4.0	mg/Kg	6010C
Iron		9050		24.2	mg/Kg	6010C
Potassium		1740		807	mg/Kg	6010C
Magnesium		1670		807	mg/Kg	6010C
Manganese		150		2.4	mg/Kg	6010C
Nickel		10.6		6.5	mg/Kg	6010C
Lead		1.8		1.6	mg/Kg	6010C
Vanadium		12.2		8.1	mg/Kg	6010C
Zinc		21.6		4.8	mg/Kg	6010C
Percent Moisture		3.9		1.0	%	Moisture
Percent Solids		96.1		1.0	%	Moisture
460-80389-18TB	**TB0731**					
Acetone		22		5.0	ug/L	8260C

METHOD SUMMARY

Client: FPM Group Limited | Job Number: 460-80389-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Total Metals	TAL EDI		SW846 3010A
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Total Metals	TAL EDI		SW846 3010A
Sample Filtration	TAL EDI		FILTRATION
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Sample Filtration	TAL EDI		FILTRATION

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Group Limited

Job Number: 460-80389-1

Method	Analyst	Analyst ID
SW846 8260C	Moroney, Christopher J	CJM
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Manlangit, Ferdie	FAM
SW846 8270D	Zhao, Chunxin	CAZ
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Boykin, Carol B	CBB
SW846 8082A	Foleyson, Temitope S	TSF
SW846 8082A	Patel, Jignesh	JHP
SW846 6010C	Huang, Yixin	YZH
SW846 7470A	Sheikh, Razia B	RBS
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Armbruster, Chris	CJA

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-80389-1	GW-3	Water	07/31/2014 0730	08/01/2014 1340
460-80389-2	GW-1	Water	07/31/2014 0800	08/01/2014 1340
460-80389-3	GW-4	Water	07/31/2014 0830	08/01/2014 1340
460-80389-4	GW-4D	Water	07/31/2014 0845	08/01/2014 1340
460-80389-5	GW-5	Water	07/31/2014 0915	08/01/2014 1340
460-80389-6	GW-6	Water	07/31/2014 0945	08/01/2014 1340
460-80389-7	GW-2	Water	07/31/2014 1015	08/01/2014 1340
460-80389-8	B-11 (0-2)	Solid	07/31/2014 1045	08/01/2014 1340
460-80389-9	B-11 (25-27)	Solid	07/31/2014 1100	08/01/2014 1340
460-80389-10	RXMW-6	Water	07/31/2014 1115	08/01/2014 1340
460-80389-11	MW-17	Water	07/31/2014 1145	08/01/2014 1340
460-80389-12	B-6 (0-2)	Solid	07/31/2014 1215	08/01/2014 1340
460-80389-13	B-6 (25-27)	Solid	07/31/2014 1230	08/01/2014 1340
460-80389-14	B-5 (0-2)	Solid	07/31/2014 1300	08/01/2014 1340
460-80389-15	B-5 (25-27)	Solid	07/31/2014 1330	08/01/2014 1340
460-80389-16	B-4 (0-2)	Solid	07/31/2014 1400	08/01/2014 1340
460-80389-17	B-4 (25-27)	Solid	07/31/2014 1430	08/01/2014 1340
460-80389-18TB	TB0731	Water	07/31/2014 0700	08/01/2014 1340

SAMPLE RESULTS

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71805.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2047			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2047				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	5.0	U	2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.8		0.080	1.0
Chloromethane	0.46	J	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	0.27	J	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71805.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2047			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2047				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
4-Bromofluorobenzene	99		64 - 135
Dibromofluoromethane (Surr)	109		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71805.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2047			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2047				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	16		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0		0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	0.29	J	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
4-Bromofluorobenzene	98		64 - 135
Dibromofluoromethane (Surr)	109		72 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2110				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1228			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	20		2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	24		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	3.1		0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	5.6		0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	0.17	J	0.14	1.0
Methylcyclohexane	34		0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	140		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	0.44	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1228			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	22		0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
4-Bromofluorobenzene	103		64 - 135
Dibromofluoromethane (Surr)	105		72 - 137
Toluene-d8 (Surr)	102		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06815.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1228			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1228				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
107-83-5	Pentane, 2-methyl-	3.44	390	J N
96-14-0	Pentane, 3-methyl-	3.65	240	J N
589-34-4	Hexane, 3-methyl-	4.96	95	J N
2453-00-1	Cyclopentane, 1,3-dimethyl-	5.16	82	J N
95-63-6	Benzene, 1,2,4-trimethyl-	9.04	160	J N
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	9.60	98	J N
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	9.67	140	J N
767-58-8	Indan, 1-methyl-	9.76	100	J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	9.97	110	J N
767-58-8	Indan, 1-methyl-	10.30	140	J N

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06816.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1249			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1249				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	31		2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	40		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	2.9		0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	7.3		0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	0.14	J	0.14	1.0
Methylcyclohexane	53		0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	140		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	0.40	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06816.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1249			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1249				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	21		0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
4-Bromofluorobenzene	98		64 - 135
Dibromofluoromethane (Surr)	102		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06816.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1249			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1249				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
107-83-5	Pentane, 2-methyl-	3.44	500	J N
96-14-0	Pentane, 3-methyl-	3.65	310	J N
589-34-4	Hexane, 3-methyl-	4.96	170	J N
2453-00-1	Cyclopentane, 1,3-dimethyl-	5.15	120	J N
95-63-6	Benzene, 1,2,4-trimethyl-	9.05	190	J N
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	9.62	140	J N
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	9.69	190	J N
767-58-8	Indan, 1-methyl-	9.78	120	J N
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	9.99	150	J N
767-58-8	Indan, 1-methyl-	10.31	190	J N

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2133			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2133				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	17		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	0.59	J	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	0.23	J	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2133			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2133				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
4-Bromofluorobenzene	100		64 - 135
Dibromofluoromethane (Surr)	109		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2133			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2133				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71808.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2157			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2157				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U *	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	14		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	0.11	J	0.080	1.0
Chloromethane	0.62	J	0.10	1.0
cis-1,2-Dichloroethene	0.21	J	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	6.0		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71808.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2157			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2157				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	0.60	J	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
4-Bromofluorobenzene	98		64 - 135
Dibromofluoromethane (Surr)	109		72 - 137
Toluene-d8 (Surr)	100		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71808.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2157			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2157				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06814.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1208			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1208				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	14		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	36		0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	0.33	J	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	10		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	0.94	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06814.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1208			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1208				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	18		0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.3		0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	100		64 - 135
Dibromofluoromethane (Surr)	105		72 - 137
Toluene-d8 (Surr)	101		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06814.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1208			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1208				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-66-9	Cyclohexane, 1,1-dimethyl-	6.82	7.1	J N
6876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	6.98	8.4	J N
3073-66-3	Cyclohexane, 1,1,3-trimethyl-	7.46	7.4	J N
6221-55-2	Bicyclo[3.2.1]octane	7.99	11	J N
14676-29-0	Heptane, 3-ethyl-2-methyl-	8.34	10	J N
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	8.65	15	J N
16580-24-8	Cyclohexane, 1-methyl-3-(1-methylethyl)-	8.72	7.4	J N
135-98-8	Benzene, (1-methylpropyl)-	9.13	25	J N
281-23-2	Adamantane	9.75	9.9	J N
768-90-1	Tricyclo[3.3.1.1(3,7)-]decane, 1-bromo-	9.87	9.7	J N

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8 | Date Sampled: 07/31/2014 1045
Client Matrix: Solid | % Moisture: 2.7 | Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3895.D
Dilution:	1.0			Initial Weight/Volume:	4.675 g
Analysis Date:	08/06/2014 0107			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.18	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		1.8		0.16	1.1
Acetone		37	B	1.9	5.5
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.18	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.20	1.1
2-Butanone (MEK)		5.5	U	0.69	5.5
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Dichlorobromomethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Trichloroethene		1.1	U	0.13	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Benzene		1.1	U	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Bromoform		1.1	U	0.19	1.1
4-Methyl-2-pentanone (MIBK)		5.5	U	0.22	5.5
2-Hexanone		5.5	U	0.14	5.5
Tetrachloroethene		1.1	U	0.13	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.099	1.1
Toluene		0.32	J	0.15	1.1
Chlorobenzene		1.1	U	0.20	1.1
Ethylbenzene		1.1	U	0.19	1.1
Styrene		1.1	U	0.31	1.1
m-Xylene & p-Xylene		1.1	U	0.65	1.1
o-Xylene		1.1	U	0.21	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
Methyl tert-butyl ether		1.1	U	0.12	1.1
Cyclohexane		1.1	U	0.14	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.18	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,4-Dioxane		22	U	14	22

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3895.D
Dilution:	1.0			Initial Weight/Volume:	4.675 g
Analysis Date:	08/06/2014 0107			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.1	U	0.18	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.5	U	0.35	5.5
Methylcyclohexane		1.1	U	0.11	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130		70 - 130
Toluene-d8 (Surr)	113		70 - 130
4-Bromofluorobenzene	111		70 - 130
Dibromofluoromethane (Surr)	137	*	70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3895.D
Dilution:	1.0			Initial Weight/Volume:	4.675 g
Analysis Date:	08/06/2014 0107			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9 | Date Sampled: 07/31/2014 1100
Client Matrix: Solid | % Moisture: 4.4 | Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3906.D
Dilution:	1.0			Initial Weight/Volume:	4.798 g
Analysis Date:	08/06/2014 0635			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.17	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		0.74	J	0.16	1.1
Acetone		5.5	U	1.8	5.5
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.17	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.20	1.1
2-Butanone (MEK)		5.5	U	0.69	5.5
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Dichlorobromomethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Trichloroethene		1.1	U	0.13	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Benzene		1.1	U	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Bromoform		1.1	U	0.19	1.1
4-Methyl-2-pentanone (MIBK)		5.5	U	0.22	5.5
2-Hexanone		5.5	U	0.14	5.5
Tetrachloroethene		1.1	U	0.13	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.098	1.1
Toluene		0.41	J	0.15	1.1
Chlorobenzene		1.1	U	0.20	1.1
Ethylbenzene		1.1	U	0.19	1.1
Styrene		1.1	U	0.31	1.1
m-Xylene & p-Xylene		1.1	U	0.64	1.1
o-Xylene		1.1	U	0.21	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
Methyl tert-butyl ether		1.1	U	0.12	1.1
Cyclohexane		1.1	U	0.14	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.17	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,4-Dioxane		22	U	14	22

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3906.D
Dilution:	1.0			Initial Weight/Volume:	4.798 g
Analysis Date:	08/06/2014 0635			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.1	U	0.17	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.5	U	0.35	5.5
Methylcyclohexane		1.1	U	0.11	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
Toluene-d8 (Surr)	102		70 - 130
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane (Surr)	119		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3906.D
Dilution:	1.0			Initial Weight/Volume:	4.798 g
Analysis Date:	08/06/2014 0635			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1701				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **RXMW-6**

Lab Sample ID: 460-80389-10

Client Matrix: Water

Date Sampled: 07/31/2014 1115

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06813.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1147			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	5.0	U	2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	0.29	J	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	0.42	J	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	14		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **RXMW-6**

Lab Sample ID: 460-80389-10

Client Matrix: Water

Date Sampled: 07/31/2014 1115

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06813.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1147			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	0.72	J	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene	94		64 - 135
Dibromofluoromethane (Surr)	99		72 - 137
Toluene-d8 (Surr)	93		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **RXMW-6**

Lab Sample ID: 460-80389-10

Client Matrix: Water

Date Sampled: 07/31/2014 1115

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	A06813.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1147			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1147				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **MW-17**

Lab Sample ID: 460-80389-11

Client Matrix: Water

Date Sampled: 07/31/2014 1145

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71820.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0234			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	0.25	J	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	5.0	U	2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	0.37	J	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.7		0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	35		0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	0.23	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **MW-17**

Lab Sample ID: 460-80389-11

Client Matrix: Water

Date Sampled: 07/31/2014 1145

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71820.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0234			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	8.0		0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
4-Bromofluorobenzene	98		64 - 135
Dibromofluoromethane (Surr)	107		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **MW-17**

Lab Sample ID: 460-80389-11

Client Matrix: Water

Date Sampled: 07/31/2014 1145

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71820.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0234			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0234				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3936.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	08/06/2014 1903			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.35	1.0
Chloroethane		1.0	U	0.34	1.0
Methylene Chloride		0.52	J B	0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.25	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.1	U	0.65	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.33	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.20	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.092	1.0
Toluene		0.20	J	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.29	1.0
m-Xylene & p-Xylene		1.0	U	0.60	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.23	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3936.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	08/06/2014 1903			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.33	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane (Surr)	113		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3936.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	08/06/2014 1903			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3907.D
Dilution:	1.0			Initial Weight/Volume:	5.452 g
Analysis Date:	08/06/2014 0700			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.96	U	0.15	0.96
Bromomethane		0.96	U	0.41	0.96
Vinyl chloride		0.96	U	0.33	0.96
Chloroethane		0.96	U	0.32	0.96
Methylene Chloride		0.96	U	0.14	0.96
Acetone		4.8	U	1.6	4.8
Carbon disulfide		0.96	U	0.14	0.96
Trichlorofluoromethane		0.96	U	0.15	0.96
1,1-Dichloroethene		0.96	U	0.18	0.96
1,1-Dichloroethane		0.96	U	0.11	0.96
trans-1,2-Dichloroethene		0.96	U	0.12	0.96
cis-1,2-Dichloroethene		0.96	U	0.11	0.96
Chloroform		0.96	U	0.23	0.96
1,2-Dichloroethane		0.96	U	0.17	0.96
2-Butanone (MEK)		4.8	U	0.61	4.8
1,1,1-Trichloroethane		0.96	U	0.12	0.96
Carbon tetrachloride		0.96	U	0.14	0.96
Dichlorobromomethane		0.96	U	0.31	0.96
1,2-Dichloropropane		0.96	U	0.14	0.96
cis-1,3-Dichloropropene		0.96	U	0.13	0.96
Trichloroethene		0.96	U	0.12	0.96
Chlorodibromomethane		0.96	U	0.096	0.96
1,1,2-Trichloroethane		0.96	U	0.13	0.96
Benzene		0.96	U	0.14	0.96
trans-1,3-Dichloropropene		0.96	U	0.096	0.96
Bromoform		0.96	U	0.16	0.96
4-Methyl-2-pentanone (MIBK)		4.8	U	0.19	4.8
2-Hexanone		4.8	U	0.12	4.8
Tetrachloroethene		0.96	U	0.12	0.96
1,1,2,2-Tetrachloroethane		0.96	U	0.086	0.96
Toluene		0.15	J	0.13	0.96
Chlorobenzene		0.96	U	0.17	0.96
Ethylbenzene		0.96	U	0.16	0.96
Styrene		0.96	U	0.27	0.96
m-Xylene & p-Xylene		0.96	U	0.57	0.96
o-Xylene		0.96	U	0.18	0.96
1,1,2-Trichloro-1,2,2-trifluoroethane		0.96	U	0.11	0.96
Methyl tert-butyl ether		0.96	U	0.11	0.96
Cyclohexane		0.96	U	0.12	0.96
Ethylene Dibromide		0.96	U	0.14	0.96
1,3-Dichlorobenzene		0.96	U	0.15	0.96
1,4-Dichlorobenzene		0.96	U	0.11	0.96
1,2-Dichlorobenzene		0.96	U	0.096	0.96
Dichlorodifluoromethane		0.96	U	0.21	0.96
1,2,4-Trichlorobenzene		0.96	U	0.18	0.96
1,4-Dioxane		19	U	12	19

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3907.D
Dilution:	1.0			Initial Weight/Volume:	5.452 g
Analysis Date:	08/06/2014 0700			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.96	U	0.15	0.96
1,2-Dibromo-3-Chloropropane		0.96	U	0.42	0.96
Chlorobromomethane		0.96	U	0.11	0.96
Isopropylbenzene		0.96	U	0.11	0.96
Methyl acetate		4.8	U	0.31	4.8
Methylcyclohexane		0.96	U	0.096	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane (Surr)	120		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3907.D
Dilution:	1.0			Initial Weight/Volume:	5.452 g
Analysis Date:	08/06/2014 0700			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1702				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3908.D
Dilution:	1.0			Initial Weight/Volume:	5.102 g
Analysis Date:	08/06/2014 0724			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.0	U	0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.1	U	0.64	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.20	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0
Toluene		0.23	J	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.60	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U *	13	20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3908.D
Dilution:	1.0			Initial Weight/Volume:	5.102 g
Analysis Date:	08/06/2014 0724			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.44	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.32	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	128		70 - 130
Toluene-d8 (Surr)	105		70 - 130
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane (Surr)	128		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3908.D
Dilution:	1.0			Initial Weight/Volume:	5.102 g
Analysis Date:	08/06/2014 0724			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3909.D
Dilution:	1.0			Initial Weight/Volume:	5.135 g
Analysis Date:	08/06/2014 0748			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.35	1.0
Chloroethane		1.0	U	0.34	1.0
Methylene Chloride		1.1		0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.20	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.25	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.1	U	0.65	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.33	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.21	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.092	1.0
Toluene		0.22	J	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.29	1.0
m-Xylene & p-Xylene		1.0	U	0.61	1.0
o-Xylene		1.0	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.23	1.0
1,2,4-Trichlorobenzene		1.0	U	0.20	1.0
1,4-Dioxane		21	U	13	21

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3909.D
Dilution:	1.0			Initial Weight/Volume:	5.135 g
Analysis Date:	08/06/2014 0748			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.33	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane (Surr)	117		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3909.D
Dilution:	1.0			Initial Weight/Volume:	5.135 g
Analysis Date:	08/06/2014 0748			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1703				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3972.D
Dilution:	1.0			Initial Weight/Volume:	5.181 g
Analysis Date:	08/07/2014 1309			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.35	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		0.85	J B	0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.1	U	0.64	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.20	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0
Toluene		0.22	J	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.60	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3972.D
Dilution:	1.0			Initial Weight/Volume:	5.181 g
Analysis Date:	08/07/2014 1309			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.32	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	129		70 - 130
Toluene-d8 (Surr)	105		70 - 130
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane (Surr)	125		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3972.D
Dilution:	1.0			Initial Weight/Volume:	5.181 g
Analysis Date:	08/07/2014 1309			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3910.D
Dilution:	1.0			Initial Weight/Volume:	5.347 g
Analysis Date:	08/06/2014 0813			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.97	U	0.16	0.97
Bromomethane		0.97	U	0.42	0.97
Vinyl chloride		0.97	U	0.33	0.97
Chloroethane		0.97	U	0.32	0.97
Methylene Chloride		0.97	U	0.15	0.97
Acetone		4.9	U	1.6	4.9
Carbon disulfide		0.97	U	0.15	0.97
Trichlorofluoromethane		0.97	U	0.16	0.97
1,1-Dichloroethene		0.97	U	0.18	0.97
1,1-Dichloroethane		0.97	U	0.11	0.97
trans-1,2-Dichloroethene		0.97	U	0.13	0.97
cis-1,2-Dichloroethene		0.97	U	0.11	0.97
Chloroform		0.97	U	0.23	0.97
1,2-Dichloroethane		0.97	U	0.18	0.97
2-Butanone (MEK)		4.9	U	0.61	4.9
1,1,1-Trichloroethane		0.97	U	0.13	0.97
Carbon tetrachloride		0.97	U	0.15	0.97
Dichlorobromomethane		0.97	U	0.31	0.97
1,2-Dichloropropane		0.97	U	0.15	0.97
cis-1,3-Dichloropropene		0.97	U	0.14	0.97
Trichloroethene		0.97	U	0.12	0.97
Chlorodibromomethane		0.97	U	0.097	0.97
1,1,2-Trichloroethane		0.97	U	0.14	0.97
Benzene		0.97	U	0.15	0.97
trans-1,3-Dichloropropene		0.97	U	0.097	0.97
Bromoform		0.97	U	0.17	0.97
4-Methyl-2-pentanone (MIBK)		4.9	U	0.19	4.9
2-Hexanone		4.9	U	0.13	4.9
Tetrachloroethene		0.97	U	0.12	0.97
1,1,2,2-Tetrachloroethane		0.97	U	0.088	0.97
Toluene		0.97	U	0.14	0.97
Chlorobenzene		0.97	U	0.18	0.97
Ethylbenzene		0.97	U	0.17	0.97
Styrene		0.97	U	0.27	0.97
m-Xylene & p-Xylene		0.97	U	0.57	0.97
o-Xylene		0.97	U	0.18	0.97
1,1,2-Trichloro-1,2,2-trifluoroethane		0.97	U	0.11	0.97
Methyl tert-butyl ether		0.97	U	0.11	0.97
Cyclohexane		0.97	U	0.13	0.97
Ethylene Dibromide		0.97	U	0.15	0.97
1,3-Dichlorobenzene		0.97	U	0.16	0.97
1,4-Dichlorobenzene		0.97	U	0.11	0.97
1,2-Dichlorobenzene		0.97	U	0.097	0.97
Dichlorodifluoromethane		0.97	U	0.21	0.97
1,2,4-Trichlorobenzene		0.97	U	0.18	0.97
1,4-Dioxane		19	U	12	19

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3910.D
Dilution:	1.0			Initial Weight/Volume:	5.347 g
Analysis Date:	08/06/2014 0813			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.97	U	0.16	0.97
1,2-Dibromo-3-Chloropropane		0.97	U	0.43	0.97
Chlorobromomethane		0.97	U	0.11	0.97
Isopropylbenzene		0.97	U	0.11	0.97
Methyl acetate		4.9	U	0.31	4.9
Methylcyclohexane		0.97	U	0.097	0.97

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		70 - 130
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane (Surr)	119		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-240219	Lab File ID:	D3910.D
Dilution:	1.0			Initial Weight/Volume:	5.347 g
Analysis Date:	08/06/2014 0813			Final Weight/Volume:	5 mL
Prep Date:	08/01/2014 1704				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **TB0731**

Lab Sample ID: 460-80389-18TB

Client Matrix: Water

Date Sampled: 07/31/2014 0700

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71804.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2024			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	22		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **TB0731**

Lab Sample ID: 460-80389-18TB

Client Matrix: Water

Date Sampled: 07/31/2014 0700

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71804.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2024			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
4-Bromofluorobenzene	99		64 - 135
Dibromofluoromethane (Surr)	106		72 - 137
Toluene-d8 (Surr)	102		70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **TB0731**

Lab Sample ID: 460-80389-18TB

Client Matrix: Water

Date Sampled: 07/31/2014 0700

Date Received: 08/01/2014 1340

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71804.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2024			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2024				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83625.D
Dilution:	1.0			Initial Weight/Volume:	210 mL
Analysis Date:	08/04/2014 0600			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	12	U	2.1	12
1,2,4,5-Tetrachlorobenzene	12	U	2.1	12
2,2'-oxybis[1-chloropropane]	12	U	1.5	12
2,3,4,6-Tetrachlorophenol	12	U	1.1	12
2,4,5-Trichlorophenol	12	U	2.6	12
2,4,6-Trichlorophenol	12	U	1.7	12
2,4-Dichlorophenol	12	U	1.3	12
2,4-Dimethylphenol	12	U	1.4	12
2,4-Dinitrophenol	36	U	2.4	36
2,4-Dinitrotoluene	2.4	U	0.33	2.4
2,6-Dinitrotoluene	2.4	U	0.32	2.4
2-Chloronaphthalene	12	U	1.5	12
2-Chlorophenol	12	U	1.1	12
2-Methylnaphthalene	12	U	1.8	12
2-Methylphenol	12	U	1.7	12
2-Nitroaniline	24	U	2.4	24
2-Nitrophenol	12	U	0.81	12
3,3'-Dichlorobenzidine	24	U *	3.8	24
3-Nitroaniline	24	U	3.5	24
4,6-Dinitro-2-methylphenol	36	U	3.6	36
4-Bromophenyl phenyl ether	12	U	1.3	12
4-Chloro-3-methylphenol	12	U	1.3	12
4-Chloroaniline	1.2	U *	0.38	1.2
4-Chlorophenyl phenyl ether	12	U	1.8	12
4-Methylphenol	12	U	1.2	12
4-Nitroaniline	24	U	3.5	24
4-Nitrophenol	36	U	2.4	36
Acenaphthene	12	U	1.3	12
Acenaphthylene	12	U	2.1	12
Acetophenone	12	U	1.1	12
Anthracene	12	U	1.0	12
Atrazine	12	U	1.2	12
Benzaldehyde	12	U	2.5	12
Benzo[a]anthracene	1.2	U	0.21	1.2
Benzo[a]pyrene	1.2	U *	0.17	1.2
Benzo[b]fluoranthene	1.2	U	0.25	1.2
Benzo[g,h,i]perylene	12	U	1.1	12
Benzo[k]fluoranthene	1.2	U	0.17	1.2
Bis(2-chloroethoxy)methane	12	U	1.2	12
Bis(2-chloroethyl)ether	1.2	U	0.36	1.2
Bis(2-ethylhexyl) phthalate	12	U	0.96	12
Butyl benzyl phthalate	12	U	1.7	12
Caprolactam	12	U	1.1	12
Carbazole	12	U	1.4	12
Chrysene	12	U	1.7	12
Dibenz(a,h)anthracene	1.2	U	0.19	1.2

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83625.D
Dilution:	1.0			Initial Weight/Volume:	210 mL
Analysis Date:	08/04/2014 0600			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	12	U	1.8	12
Diethyl phthalate	12	U	1.7	12
Dimethyl phthalate	12	U	1.3	12
Di-n-butyl phthalate	12	U	1.2	12
Di-n-octyl phthalate	12	U	1.0	12
Fluoranthene	2.4	J	1.3	12
Fluorene	12	U *	2.0	12
Hexachlorobenzene	1.2	U	0.24	1.2
Hexachlorobutadiene	2.4	U	0.81	2.4
Hexachlorocyclopentadiene	12	U	1.8	12
Hexachloroethane	1.2	U	0.18	1.2
Indeno[1,2,3-cd]pyrene	1.2	U	0.13	1.2
Isophorone	12	U	1.5	12
Naphthalene	12	U	2.4	12
Nitrobenzene	1.2	U	0.40	1.2
N-Nitrosodi-n-propylamine	1.2	U	0.32	1.2
N-Nitrosodiphenylamine	12	U	1.2	12
Pentachlorophenol	36	U	3.2	36
Phenanthrene	3.7	J	1.4	12
Phenol	12	U	0.71	12
Pyrene	2.2	J	1.3	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	100		51 - 126
2-Fluorobiphenyl	93		50 - 120
2-Fluorophenol (Surr)	42		15 - 96
Nitrobenzene-d5 (Surr)	97		60 - 114
Phenol-d5 (Surr)	31		4 - 86
Terphenyl-d14 (Surr)	114		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83625.D
Dilution:	1.0			Initial Weight/Volume:	210 mL
Analysis Date:	08/04/2014 0600			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83626.D
Dilution:	1.0			Initial Weight/Volume:	220 mL
Analysis Date:	08/04/2014 0621			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	11	U	2.0	11
1,2,4,5-Tetrachlorobenzene	11	U	2.0	11
2,2'-oxybis[1-chloropropane]	11	U	1.5	11
2,3,4,6-Tetrachlorophenol	11	U	1.0	11
2,4,5-Trichlorophenol	11	U	2.5	11
2,4,6-Trichlorophenol	11	U	1.6	11
2,4-Dichlorophenol	11	U	1.3	11
2,4-Dimethylphenol	11	U	1.4	11
2,4-Dinitrophenol	34	U	2.3	34
2,4-Dinitrotoluene	2.3	U	0.32	2.3
2,6-Dinitrotoluene	2.3	U	0.31	2.3
2-Chloronaphthalene	11	U	1.5	11
2-Chlorophenol	11	U	1.1	11
2-Methylnaphthalene	11	U	1.7	11
2-Methylphenol	11	U	1.6	11
2-Nitroaniline	23	U	2.3	23
2-Nitrophenol	11	U	0.77	11
3,3'-Dichlorobenzidine	23	U *	3.6	23
3-Nitroaniline	23	U	3.3	23
4,6-Dinitro-2-methylphenol	34	U	3.4	34
4-Bromophenyl phenyl ether	11	U	1.3	11
4-Chloro-3-methylphenol	11	U	1.3	11
4-Chloroaniline	1.1	U *	0.36	1.1
4-Chlorophenyl phenyl ether	11	U	1.7	11
4-Methylphenol	11	U	1.1	11
4-Nitroaniline	23	U	3.3	23
4-Nitrophenol	34	U	2.3	34
Acenaphthene	11	U	1.3	11
Acenaphthylene	11	U	2.0	11
Acetophenone	11	U	1.0	11
Anthracene	11	U	0.97	11
Atrazine	11	U	1.1	11
Benzaldehyde	11	U	2.4	11
Benzo[a]anthracene	1.1	U	0.20	1.1
Benzo[a]pyrene	0.33	J *	0.16	1.1
Benzo[b]fluoranthene	1.1	U	0.24	1.1
Benzo[g,h,i]perylene	11	U	1.1	11
Benzo[k]fluoranthene	1.1	U	0.16	1.1
Bis(2-chloroethoxy)methane	11	U	1.1	11
Bis(2-chloroethyl)ether	1.1	U	0.34	1.1
Bis(2-ethylhexyl) phthalate	11	U	0.92	11
Butyl benzyl phthalate	11	U	1.6	11
Caprolactam	11	U	1.0	11
Carbazole	1.7	J	1.4	11
Chrysene	11	U	1.6	11
Dibenz(a,h)anthracene	1.1	U	0.18	1.1

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83626.D
Dilution:	1.0			Initial Weight/Volume:	220 mL
Analysis Date:	08/04/2014 0621			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	11	U	1.7	11
Diethyl phthalate	11	U	1.6	11
Dimethyl phthalate	11	U	1.3	11
Di-n-butyl phthalate	11	U	1.1	11
Di-n-octyl phthalate	11	U	1.0	11
Fluoranthene	2.2	J	1.3	11
Fluorene	11	U *	1.9	11
Hexachlorobenzene	1.1	U	0.23	1.1
Hexachlorobutadiene	2.3	U	0.77	2.3
Hexachlorocyclopentadiene	11	U	1.7	11
Hexachloroethane	1.1	U	0.17	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.13	1.1
Isophorone	11	U	1.5	11
Naphthalene	2.3	J	2.3	11
Nitrobenzene	1.1	U	0.39	1.1
N-Nitrosodi-n-propylamine	1.1	U	0.31	1.1
N-Nitrosodiphenylamine	11	U	1.1	11
Pentachlorophenol	34	U	3.1	34
Phenanthrene	6.7	J	1.4	11
Phenol	11	U	0.68	11
Pyrene	2.2	J	1.3	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93		51 - 126
2-Fluorobiphenyl	94		50 - 120
2-Fluorophenol (Surr)	31		15 - 96
Nitrobenzene-d5 (Surr)	83		60 - 114
Phenol-d5 (Surr)	28		4 - 86
Terphenyl-d14 (Surr)	99		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83626.D
Dilution:	1.0			Initial Weight/Volume:	220 mL
Analysis Date:	08/04/2014 0621			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	12.40	26	J

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83627.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0642			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	11	U	2.0	11
1,2,4,5-Tetrachlorobenzene	11	U	2.0	11
2,2'-oxybis[1-chloropropane]	11	U	1.4	11
2,3,4,6-Tetrachlorophenol	11	U	0.97	11
2,4,5-Trichlorophenol	11	U	2.4	11
2,4,6-Trichlorophenol	11	U	1.5	11
2,4-Dichlorophenol	11	U	1.2	11
2,4-Dimethylphenol	11	U	1.3	11
2,4-Dinitrophenol	33	U	2.2	33
2,4-Dinitrotoluene	2.2	U	0.30	2.2
2,6-Dinitrotoluene	2.2	U	0.29	2.2
2-Chloronaphthalene	11	U	1.4	11
2-Chlorophenol	11	U	1.0	11
2-Methylnaphthalene	11	U	1.6	11
2-Methylphenol	11	U	1.5	11
2-Nitroaniline	22	U	2.2	22
2-Nitrophenol	11	U	0.74	11
3,3'-Dichlorobenzidine	22	U *	3.5	22
3-Nitroaniline	22	U	3.2	22
4,6-Dinitro-2-methylphenol	33	U	3.3	33
4-Bromophenyl phenyl ether	11	U	1.2	11
4-Chloro-3-methylphenol	11	U	1.2	11
4-Chloroaniline	1.1	U *	0.35	1.1
4-Chlorophenyl phenyl ether	11	U	1.6	11
4-Methylphenol	11	U	1.1	11
4-Nitroaniline	22	U	3.2	22
4-Nitrophenol	33	U	2.2	33
Acenaphthene	11	U	1.2	11
Acenaphthylene	11	U	2.0	11
Acetophenone	11	U	0.97	11
Anthracene	11	U	0.92	11
Atrazine	11	U	1.1	11
Benzaldehyde	11	U	2.3	11
Benzo[a]anthracene	1.1	U	0.20	1.1
Benzo[a]pyrene	1.1	U *	0.15	1.1
Benzo[b]fluoranthene	1.1	U	0.23	1.1
Benzo[g,h,i]perylene	11	U	1.0	11
Benzo[k]fluoranthene	1.1	U	0.15	1.1
Bis(2-chloroethoxy)methane	11	U	1.1	11
Bis(2-chloroethyl)ether	1.1	U	0.33	1.1
Bis(2-ethylhexyl) phthalate	8.2	J	0.88	11
Butyl benzyl phthalate	11	U	1.5	11
Caprolactam	11	U	0.99	11
Carbazole	11	U	1.3	11
Chrysene	11	U	1.5	11
Dibenz(a,h)anthracene	1.1	U	0.17	1.1

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83627.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0642			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	11	U	1.6	11
Diethyl phthalate	11	U	1.5	11
Dimethyl phthalate	11	U	1.2	11
Di-n-butyl phthalate	11	U	1.1	11
Di-n-octyl phthalate	11	U	0.96	11
Fluoranthene	11	U	1.2	11
Fluorene	11	U *	1.8	11
Hexachlorobenzene	1.1	U	0.22	1.1
Hexachlorobutadiene	2.2	U	0.74	2.2
Hexachlorocyclopentadiene	11	U	1.6	11
Hexachloroethane	1.1	U	0.16	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.12	1.1
Isophorone	11	U	1.4	11
Naphthalene	11	U	2.2	11
Nitrobenzene	1.1	U	0.37	1.1
N-Nitrosodi-n-propylamine	1.1	U	0.29	1.1
N-Nitrosodiphenylamine	11	U	1.1	11
Pentachlorophenol	33	U	2.9	33
Phenanthrene	11	U	1.3	11
Phenol	11	U	0.65	11
Pyrene	11	U	1.2	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92		51 - 126
2-Fluorobiphenyl	93		50 - 120
2-Fluorophenol (Surr)	48		15 - 96
Nitrobenzene-d5 (Surr)	88		60 - 114
Phenol-d5 (Surr)	36		4 - 86
Terphenyl-d14 (Surr)	98		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83627.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0642			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	2.28	54	J
2216-34-4	Octane, 4-methyl-	2.71	45	J N
2216-30-0	Heptane, 2,5-dimethyl-	2.78	50	J N
2051-30-1	Octane, 2,6-dimethyl-	3.31	50	J N
17301-94-9	Nonane, 4-methyl-	3.55	46	J N
611-14-3	Benzene, 1-ethyl-2-methyl-	3.72	77	J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	4.10	42	J N
135-01-3	Benzene, 1,2-diethyl-	4.29	110	J N
	Unknown	4.36	120	J
135-01-3	Benzene, 1,2-diethyl-	4.38	48	J N
1074-55-1	Benzene, 1-methyl-4-propyl-	4.43	90	J N
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	4.51	51	J N
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	4.53	44	J N
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	4.58	310	J N
1120-21-4	Undecane	4.65	42	J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	4.82	56	J N
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	4.84	73	J N
767-58-8	Indan, 1-methyl-	4.99	55	J N
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	5.07	88	J N
4920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)-	5.35	43	J N

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83628.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0703			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	11	U	2.0	11
1,2,4,5-Tetrachlorobenzene	11	U	2.0	11
2,2'-oxybis[1-chloropropane]	11	U	1.4	11
2,3,4,6-Tetrachlorophenol	11	U	0.97	11
2,4,5-Trichlorophenol	11	U	2.4	11
2,4,6-Trichlorophenol	11	U	1.5	11
2,4-Dichlorophenol	11	U	1.2	11
2,4-Dimethylphenol	11	U	1.3	11
2,4-Dinitrophenol	33	U	2.2	33
2,4-Dinitrotoluene	2.2	U	0.30	2.2
2,6-Dinitrotoluene	2.2	U	0.29	2.2
2-Chloronaphthalene	11	U	1.4	11
2-Chlorophenol	11	U	1.0	11
2-Methylnaphthalene	2.3	J	1.6	11
2-Methylphenol	11	U	1.5	11
2-Nitroaniline	22	U	2.2	22
2-Nitrophenol	11	U	0.74	11
3,3'-Dichlorobenzidine	22	U *	3.5	22
3-Nitroaniline	22	U	3.2	22
4,6-Dinitro-2-methylphenol	33	U	3.3	33
4-Bromophenyl phenyl ether	11	U	1.2	11
4-Chloro-3-methylphenol	11	U	1.2	11
4-Chloroaniline	1.1	U *	0.35	1.1
4-Chlorophenyl phenyl ether	11	U	1.6	11
4-Methylphenol	11	U	1.1	11
4-Nitroaniline	22	U	3.2	22
4-Nitrophenol	33	U	2.2	33
Acenaphthene	11	U	1.2	11
Acenaphthylene	11	U	2.0	11
Acetophenone	11	U	0.97	11
Anthracene	11	U	0.92	11
Atrazine	11	U	1.1	11
Benzaldehyde	11	U	2.3	11
Benzo[a]anthracene	1.1	U	0.20	1.1
Benzo[a]pyrene	1.1	U *	0.15	1.1
Benzo[b]fluoranthene	1.1	U	0.23	1.1
Benzo[g,h,i]perylene	11	U	1.0	11
Benzo[k]fluoranthene	1.1	U	0.15	1.1
Bis(2-chloroethoxy)methane	11	U	1.1	11
Bis(2-chloroethyl)ether	1.1	U	0.33	1.1
Bis(2-ethylhexyl) phthalate	11	U	0.88	11
Butyl benzyl phthalate	11	U	1.5	11
Caprolactam	11	U	0.99	11
Carbazole	11	U	1.3	11
Chrysene	11	U	1.5	11
Dibenz(a,h)anthracene	1.1	U	0.17	1.1

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83628.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0703			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	11	U	1.6	11
Diethyl phthalate	11	U	1.5	11
Dimethyl phthalate	11	U	1.2	11
Di-n-butyl phthalate	11	U	1.1	11
Di-n-octyl phthalate	11	U	0.96	11
Fluoranthene	11	U	1.2	11
Fluorene	11	U *	1.8	11
Hexachlorobenzene	1.1	U	0.22	1.1
Hexachlorobutadiene	2.2	U	0.74	2.2
Hexachlorocyclopentadiene	11	U	1.6	11
Hexachloroethane	1.1	U	0.16	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.12	1.1
Isophorone	11	U	1.4	11
Naphthalene	11	U	2.2	11
Nitrobenzene	1.1	U	0.37	1.1
N-Nitrosodi-n-propylamine	1.1	U	0.29	1.1
N-Nitrosodiphenylamine	11	U	1.1	11
Pentachlorophenol	33	U	2.9	33
Phenanthrene	11	U	1.3	11
Phenol	11	U	0.65	11
Pyrene	11	U	1.2	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	76		51 - 126
2-Fluorobiphenyl	88		50 - 120
2-Fluorophenol (Surr)	46		15 - 96
Nitrobenzene-d5 (Surr)	77		60 - 114
Phenol-d5 (Surr)	34		4 - 86
Terphenyl-d14 (Surr)	93		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83628.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0703			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **20**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
127-18-4	Tetrachloroethylene	2.29	50	J N
103-65-1	Benzene, propyl-	3.51	87	J N
611-14-3	Benzene, 1-ethyl-2-methyl-	3.72	84	J N
2783-26-8	2-Tolyloxirane	3.98	30	J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	4.06	24	J N
135-01-3	Benzene, 1,2-diethyl-	4.28	88	J N
	Unknown	4.35	130	J
1074-17-5	Benzene, 1-methyl-2-propyl-	4.43	59	J N
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	4.50	33	J N
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	4.52	25	J N
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	4.58	290	J N
	Unknown	4.61	210	J
95-93-2	Benzene, 1,2,4,5-tetramethyl-	4.82	64	J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	4.85	74	J N
3454-07-7	Benzene, 1-ethenyl-4-ethyl-	5.00	67	J N
824-90-8	1-Phenyl-1-butene	5.06	98	J N
	Unknown	5.15	22	J
	Unknown	5.35	31	J
56253-64-6	Benzene, (2-methyl-1-butenyl)-	5.37	27	J N
90-12-0	Naphthalene, 1-methyl-	6.13	27	J N

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83629.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0725			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	11	U	2.0	11
1,2,4,5-Tetrachlorobenzene	11	U	2.0	11
2,2'-oxybis[1-chloropropane]	11	U	1.4	11
2,3,4,6-Tetrachlorophenol	11	U	0.97	11
2,4,5-Trichlorophenol	11	U	2.4	11
2,4,6-Trichlorophenol	11	U	1.5	11
2,4-Dichlorophenol	11	U	1.2	11
2,4-Dimethylphenol	11	U	1.3	11
2,4-Dinitrophenol	33	U	2.2	33
2,4-Dinitrotoluene	2.2	U	0.30	2.2
2,6-Dinitrotoluene	2.2	U	0.29	2.2
2-Chloronaphthalene	11	U	1.4	11
2-Chlorophenol	11	U	1.0	11
2-Methylnaphthalene	11	U	1.6	11
2-Methylphenol	11	U	1.5	11
2-Nitroaniline	22	U	2.2	22
2-Nitrophenol	11	U	0.74	11
3,3'-Dichlorobenzidine	22	U *	3.5	22
3-Nitroaniline	22	U	3.2	22
4,6-Dinitro-2-methylphenol	33	U	3.3	33
4-Bromophenyl phenyl ether	11	U	1.2	11
4-Chloro-3-methylphenol	11	U	1.2	11
4-Chloroaniline	1.1	U *	0.35	1.1
4-Chlorophenyl phenyl ether	11	U	1.6	11
4-Methylphenol	11	U	1.1	11
4-Nitroaniline	22	U	3.2	22
4-Nitrophenol	33	U	2.2	33
Acenaphthene	11	U	1.2	11
Acenaphthylene	11	U	2.0	11
Acetophenone	11	U	0.97	11
Anthracene	11	U	0.92	11
Atrazine	11	U	1.1	11
Benzaldehyde	11	U	2.3	11
Benzo[a]anthracene	1.1	U	0.20	1.1
Benzo[a]pyrene	1.1	U *	0.15	1.1
Benzo[b]fluoranthene	1.1	U	0.23	1.1
Benzo[g,h,i]perylene	11	U	1.0	11
Benzo[k]fluoranthene	1.1	U	0.15	1.1
Bis(2-chloroethoxy)methane	11	U	1.1	11
Bis(2-chloroethyl)ether	1.1	U	0.33	1.1
Bis(2-ethylhexyl) phthalate	11	U	0.88	11
Butyl benzyl phthalate	11	U	1.5	11
Caprolactam	11	U	0.99	11
Carbazole	11	U	1.3	11
Chrysene	11	U	1.5	11
Dibenz(a,h)anthracene	1.1	U	0.17	1.1

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83629.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0725			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	11	U	1.6	11
Diethyl phthalate	11	U	1.5	11
Dimethyl phthalate	11	U	1.2	11
Di-n-butyl phthalate	11	U	1.1	11
Di-n-octyl phthalate	11	U	0.96	11
Fluoranthene	11	U	1.2	11
Fluorene	11	U *	1.8	11
Hexachlorobenzene	1.1	U	0.22	1.1
Hexachlorobutadiene	2.2	U	0.74	2.2
Hexachlorocyclopentadiene	11	U	1.6	11
Hexachloroethane	1.1	U	0.16	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.12	1.1
Isophorone	11	U	1.4	11
Naphthalene	11	U	2.2	11
Nitrobenzene	1.1	U	0.37	1.1
N-Nitrosodi-n-propylamine	1.1	U	0.29	1.1
N-Nitrosodiphenylamine	11	U	1.1	11
Pentachlorophenol	33	U	2.9	33
Phenanthrene	2.0	J	1.3	11
Phenol	11	U	0.65	11
Pyrene	11	U	1.2	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	94		51 - 126
2-Fluorobiphenyl	101		50 - 120
2-Fluorophenol (Surr)	34		15 - 96
Nitrobenzene-d5 (Surr)	95		60 - 114
Phenol-d5 (Surr)	28		4 - 86
Terphenyl-d14 (Surr)	106		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83629.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0725			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83630.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0746			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	11	U	2.0	11
1,2,4,5-Tetrachlorobenzene	11	U	2.0	11
2,2'-oxybis[1-chloropropane]	11	U	1.4	11
2,3,4,6-Tetrachlorophenol	11	U	0.97	11
2,4,5-Trichlorophenol	11	U	2.4	11
2,4,6-Trichlorophenol	11	U	1.5	11
2,4-Dichlorophenol	11	U	1.2	11
2,4-Dimethylphenol	11	U	1.3	11
2,4-Dinitrophenol	33	U	2.2	33
2,4-Dinitrotoluene	2.2	U	0.30	2.2
2,6-Dinitrotoluene	2.2	U	0.29	2.2
2-Chloronaphthalene	11	U	1.4	11
2-Chlorophenol	11	U	1.0	11
2-Methylnaphthalene	11	U	1.6	11
2-Methylphenol	11	U	1.5	11
2-Nitroaniline	22	U	2.2	22
2-Nitrophenol	11	U	0.74	11
3,3'-Dichlorobenzidine	22	U *	3.5	22
3-Nitroaniline	22	U	3.2	22
4,6-Dinitro-2-methylphenol	33	U	3.3	33
4-Bromophenyl phenyl ether	11	U	1.2	11
4-Chloro-3-methylphenol	11	U	1.2	11
4-Chloroaniline	1.1	U *	0.35	1.1
4-Chlorophenyl phenyl ether	11	U	1.6	11
4-Methylphenol	11	U	1.1	11
4-Nitroaniline	22	U	3.2	22
4-Nitrophenol	33	U	2.2	33
Acenaphthene	11	U	1.2	11
Acenaphthylene	11	U	2.0	11
Acetophenone	11	U	0.97	11
Anthracene	11	U	0.92	11
Atrazine	11	U	1.1	11
Benzaldehyde	11	U	2.3	11
Benzo[a]anthracene	1.1	U	0.20	1.1
Benzo[a]pyrene	1.1	U *	0.15	1.1
Benzo[b]fluoranthene	1.1	U	0.23	1.1
Benzo[g,h,i]perylene	11	U	1.0	11
Benzo[k]fluoranthene	1.1	U	0.15	1.1
Bis(2-chloroethoxy)methane	11	U	1.1	11
Bis(2-chloroethyl)ether	1.1	U	0.33	1.1
Bis(2-ethylhexyl) phthalate	11	U	0.88	11
Butyl benzyl phthalate	11	U	1.5	11
Caprolactam	11	U	0.99	11
Carbazole	11	U	1.3	11
Chrysene	11	U	1.5	11
Dibenz(a,h)anthracene	1.1	U	0.17	1.1

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83630.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0746			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	11	U	1.6	11
Diethyl phthalate	11	U	1.5	11
Dimethyl phthalate	11	U	1.2	11
Di-n-butyl phthalate	11	U	1.1	11
Di-n-octyl phthalate	11	U	0.96	11
Fluoranthene	11	U	1.2	11
Fluorene	11	U *	1.8	11
Hexachlorobenzene	1.1	U	0.22	1.1
Hexachlorobutadiene	2.2	U	0.74	2.2
Hexachlorocyclopentadiene	11	U	1.6	11
Hexachloroethane	1.1	U	0.16	1.1
Indeno[1,2,3-cd]pyrene	1.1	U	0.12	1.1
Isophorone	11	U	1.4	11
Naphthalene	11	U	2.2	11
Nitrobenzene	1.1	U	0.37	1.1
N-Nitrosodi-n-propylamine	1.1	U	0.29	1.1
N-Nitrosodiphenylamine	11	U	1.1	11
Pentachlorophenol	33	U	2.9	33
Phenanthrene	11	U	1.3	11
Phenol	11	U	0.65	11
Pyrene	11	U	1.2	11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96		51 - 126
2-Fluorobiphenyl	97		50 - 120
2-Fluorophenol (Surr)	34		15 - 96
Nitrobenzene-d5 (Surr)	96		60 - 114
Phenol-d5 (Surr)	31		4 - 86
Terphenyl-d14 (Surr)	107		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83630.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/04/2014 0746			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
31158-91-5	Hexadecanoic acid, 1,1-dimethylethyl est	9.95	19	J N
646-13-9	Octadecanoic acid, 2-methylpropyl ester	10.68	12	J N

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83631.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/04/2014 0808			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	10	U	1.9	10
1,2,4,5-Tetrachlorobenzene	10	U	1.9	10
2,2'-oxybis[1-chloropropane]	10	U	1.4	10
2,3,4,6-Tetrachlorophenol	10	U	0.93	10
2,4,5-Trichlorophenol	10	U	2.3	10
2,4,6-Trichlorophenol	10	U	1.5	10
2,4-Dichlorophenol	10	U	1.1	10
2,4-Dimethylphenol	10	U	1.3	10
2,4-Dinitrophenol	31	U	2.1	31
2,4-Dinitrotoluene	2.1	U	0.29	2.1
2,6-Dinitrotoluene	2.1	U	0.28	2.1
2-Chloronaphthalene	10	U	1.4	10
2-Chlorophenol	10	U	0.97	10
2-Methylnaphthalene	10	U	1.6	10
2-Methylphenol	10	U	1.5	10
2-Nitroaniline	21	U	2.1	21
2-Nitrophenol	10	U	0.71	10
3,3'-Dichlorobenzidine	21	U *	3.3	21
3-Nitroaniline	21	U	3.0	21
4,6-Dinitro-2-methylphenol	31	U	3.1	31
4-Bromophenyl phenyl ether	10	U	1.1	10
4-Chloro-3-methylphenol	10	U	1.1	10
4-Chloroaniline	1.0	U *	0.33	1.0
4-Chlorophenyl phenyl ether	10	U	1.6	10
4-Methylphenol	10	U	1.0	10
4-Nitroaniline	21	U	3.0	21
4-Nitrophenol	31	U	2.1	31
Acenaphthene	10	U	1.1	10
Acenaphthylene	10	U	1.9	10
Acetophenone	10	U	0.93	10
Anthracene	10	U	0.89	10
Atrazine	10	U	1.0	10
Benzaldehyde	10	U	2.2	10
Benzo[a]anthracene	1.0	U	0.19	1.0
Benzo[a]pyrene	1.0	U *	0.15	1.0
Benzo[b]fluoranthene	1.0	U	0.22	1.0
Benzo[g,h,i]perylene	10	U	0.97	10
Benzo[k]fluoranthene	1.0	U	0.15	1.0
Bis(2-chloroethoxy)methane	10	U	1.0	10
Bis(2-chloroethyl)ether	1.0	U	0.31	1.0
Bis(2-ethylhexyl) phthalate	10	U	0.84	10
Butyl benzyl phthalate	10	U	1.5	10
Caprolactam	10	U	0.95	10
Carbazole	10	U	1.3	10
Chrysene	10	U	1.5	10
Dibenz(a,h)anthracene	1.0	U	0.17	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83631.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/04/2014 0808			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	10	U	1.6	10
Diethyl phthalate	10	U	1.5	10
Dimethyl phthalate	10	U	1.1	10
Di-n-butyl phthalate	10	U	1.0	10
Di-n-octyl phthalate	10	U	0.92	10
Fluoranthene	10	U	1.1	10
Fluorene	10	U *	1.8	10
Hexachlorobenzene	1.0	U	0.21	1.0
Hexachlorobutadiene	2.1	U	0.71	2.1
Hexachlorocyclopentadiene	10	U	1.6	10
Hexachloroethane	1.0	U	0.16	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Isophorone	10	U	1.4	10
Naphthalene	10	U	2.1	10
Nitrobenzene	1.0	U	0.35	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.28	1.0
N-Nitrosodiphenylamine	10	U	1.0	10
Pentachlorophenol	31	U	2.8	31
Phenanthrene	10	U	1.3	10
Phenol	10	U	0.63	10
Pyrene	10	U	1.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		51 - 126
2-Fluorobiphenyl	92		50 - 120
2-Fluorophenol (Surr)	32		15 - 96
Nitrobenzene-d5 (Surr)	93		60 - 114
Phenol-d5 (Surr)	26		4 - 86
Terphenyl-d14 (Surr)	114		72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-240301	Lab File ID:	M83631.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/04/2014 0808			Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **14**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	3.58	17	J N
	Unknown	3.73	9.7	J
	Unknown	3.99	13	J
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	4.19	9.0	J N
71186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	4.29	9.3	J N
	Unknown	4.55	8.1	J
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethyl-	4.72	7.4	J N
1000260-99-2	4-Amino-2,6-dimethyl-3-pyridyl 1-adamant	4.79	11	J N
1000155-85-6	cis-Decalin, 2-syn-methyl-	4.83	9.0	J N
4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	4.88	12	J N
1000155-85-6	cis-Decalin, 2-syn-methyl-	4.94	9.8	J N
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl-	5.00	7.7	J N
56253-64-6	Benzene, (2-methyl-1-butenyl)-	5.34	13	J N
17301-23-4	Undecane, 2,6-dimethyl-	5.42	7.1	J N

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8 | Date Sampled: 07/31/2014 1045
Client Matrix: Solid | % Moisture: 2.7 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3464.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1143			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	45	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	51	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	49	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	52	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.1	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.6	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	78	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3464.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1143			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	40	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	45	340
Fluorene		340	U	43	340
Hexachlorobenzene		34	U	4.6	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	39	340
Nitrobenzene		34	U *	4.8	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	33	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	43	340
Phenol		340	U	46	340
Pyrene		340	U	28	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	104		19 - 114
2-Fluorobiphenyl	82		49 - 112
2-Fluorophenol (Surr)	74		39 - 103
Nitrobenzene-d5 (Surr)	85		40 - 106
Phenol-d5 (Surr)	79		44 - 104
Terphenyl-d14 (Surr)	105		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3464.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1143			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9 | Date Sampled: 07/31/2014 1100
Client Matrix: Solid | % Moisture: 4.4 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3465.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1206			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	45	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	51	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	39	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	39	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	41	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	41	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	26	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	45	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	32	340
Caprolactam		340	U	80	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.4	34

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3465.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1206			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	41	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	43	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	41	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.8	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102		19 - 114
2-Fluorobiphenyl	87		49 - 112
2-Fluorophenol (Surr)	77		39 - 103
Nitrobenzene-d5 (Surr)	87		40 - 106
Phenol-d5 (Surr)	84		44 - 104
Terphenyl-d14 (Surr)	115		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3465.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1206			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12 | Date Sampled: 07/31/2014 1215
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3466.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/05/2014 1229			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		8.9	J	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	32	340
Caprolactam		340	U	79	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3466.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/05/2014 1229			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	109		19 - 114
2-Fluorobiphenyl	89		49 - 112
2-Fluorophenol (Surr)	81		39 - 103
Nitrobenzene-d5 (Surr)	91		40 - 106
Phenol-d5 (Surr)	87		44 - 104
Terphenyl-d14 (Surr)	115		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3466.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/05/2014 1229			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
111-06-8	Hexadecanoic acid, butyl ester	9.83	520	J N
123-95-5	Octadecanoic acid, butyl ester	10.54	300	J N

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13 | Date Sampled: 07/31/2014 1230
Client Matrix: Solid | % Moisture: 4.5 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240910	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	z3020.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 1448			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	46	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	85	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	140	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	50	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		35	U	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		350	U	40	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240910	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	z3020.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 1448			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		350	U	46	350
Fluorene		350	U	44	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.4	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U *	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		350	U	44	350
Phenol		350	U	47	350
Pyrene		350	U	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	87		19 - 114
2-Fluorobiphenyl	95		49 - 112
2-Fluorophenol (Surr)	86		39 - 103
Nitrobenzene-d5 (Surr)	92		40 - 106
Phenol-d5 (Surr)	84		44 - 104
Terphenyl-d14 (Surr)	117		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240910	Instrument ID:	CBNAMS11
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	z3020.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 1448			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
793-24-8	1,4-Benzenediamine, N-(1,3-dimethylbutyl	10.92	530	J N

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14 | Date Sampled: 07/31/2014 1300
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3471.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1424			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	51	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		9.7	J	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.6	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3471.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1424			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	45	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	39	340
Nitrobenzene		34	U *	4.8	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	43	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	98		19 - 114
2-Fluorobiphenyl	98		49 - 112
2-Fluorophenol (Surr)	79		39 - 103
Nitrobenzene-d5 (Surr)	96		40 - 106
Phenol-d5 (Surr)	79		44 - 104
Terphenyl-d14 (Surr)	94		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3471.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1424			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
111-06-8	Hexadecanoic acid, butyl ester	9.83	370	J N

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15 | Date Sampled: 07/31/2014 1330
Client Matrix: Solid | % Moisture: 5.2 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3472.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1447			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	47	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	39	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dinitrophenol		710	U	200	710
2,4-Dinitrotoluene		71	U	11	71
2,6-Dinitrotoluene		71	U	10	71
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	150	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		710	U	95	710
4-Bromophenyl phenyl ether		350	U	35	350
4-Chloro-3-methylphenol		350	U	53	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	69	350
4-Nitroaniline		710	U	110	710
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	51	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		35	U	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		350	U	41	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3472.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1447			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		350	U	46	350
Fluorene		350	U	45	350
Hexachlorobenzene		35	U	4.8	35
Hexachlorobutadiene		71	U	8.5	71
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.5	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U *	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		710	U	100	710
Phenanthrene		350	U	44	350
Phenol		350	U	47	350
Pyrene		350	U	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		19 - 114
2-Fluorobiphenyl	93		49 - 112
2-Fluorophenol (Surr)	76		39 - 103
Nitrobenzene-d5 (Surr)	90		40 - 106
Phenol-d5 (Surr)	78		44 - 104
Terphenyl-d14 (Surr)	99		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3472.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/05/2014 1447			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16 | Date Sampled: 07/31/2014 1400
Client Matrix: Solid | % Moisture: 4.9 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3421.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 1136			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	47	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	150	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	95	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	51	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		35	U	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		350	U	41	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3421.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 1136			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		350	U	46	350
Fluorene		350	U	44	350
Hexachlorobenzene		35	U	4.8	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.5	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U *	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		350	U	44	350
Phenol		350	U	47	350
Pyrene		350	U	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92		19 - 114
2-Fluorobiphenyl	99		49 - 112
2-Fluorophenol (Surr)	76		39 - 103
Nitrobenzene-d5 (Surr)	94		40 - 106
Phenol-d5 (Surr)	75		44 - 104
Terphenyl-d14 (Surr)	74		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3421.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 1136			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17 | Date Sampled: 07/31/2014 1430
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3473.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1510			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		8.6	J	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3473.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1510			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	98		19 - 114
2-Fluorobiphenyl	98		49 - 112
2-Fluorophenol (Surr)	81		39 - 103
Nitrobenzene-d5 (Surr)	95		40 - 106
Phenol-d5 (Surr)	83		44 - 104
Terphenyl-d14 (Surr)	105		41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-240689	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240245	Lab File ID:	x3473.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/05/2014 1510			Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2134			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1238			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.052	U	0.018	0.052
alpha-BHC	0.052	U	0.0094	0.052
beta-BHC	0.052	U	0.014	0.052
delta-BHC	0.052	U	0.013	0.052
gamma-BHC (Lindane)	0.052	U	0.015	0.052
Chlordane (technical)	0.52	U	0.22	0.52
4,4'-DDD	0.052	U	0.020	0.052
4,4'-DDE	0.052	U	0.017	0.052
4,4'-DDT	0.052	U	0.018	0.052
Dieldrin	0.052	U	0.023	0.052
Endosulfan I	0.052	U	0.017	0.052
Endosulfan II	0.052	U	0.017	0.052
Endosulfan sulfate	0.052	U	0.017	0.052
Endrin	0.052	U	0.018	0.052
Endrin aldehyde	0.052	U	0.017	0.052
Endrin ketone	0.052	U	0.017	0.052
Heptachlor	0.052	U	0.015	0.052
Heptachlor epoxide	0.052	U	0.017	0.052
Methoxychlor	0.052	U	0.016	0.052
Toxaphene	0.52	U	0.35	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		50 - 147
DCB Decachlorobiphenyl	78		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1238			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		50 - 147
DCB Decachlorobiphenyl	75		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1249			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.050	U	0.017	0.050
alpha-BHC	0.050	U	0.0090	0.050
beta-BHC	0.050	U	0.013	0.050
delta-BHC	0.050	U	0.012	0.050
gamma-BHC (Lindane)	0.050	U	0.014	0.050
Chlordane (technical)	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.019	0.050
4,4'-DDE	0.050	U	0.016	0.050
4,4'-DDT	0.050	U	0.017	0.050
Dieldrin	0.050	U	0.022	0.050
Endosulfan I	0.050	U	0.016	0.050
Endosulfan II	0.050	U	0.016	0.050
Endosulfan sulfate	0.050	U	0.016	0.050
Endrin	0.050	U	0.017	0.050
Endrin aldehyde	0.050	U	0.016	0.050
Endrin ketone	0.050	U	0.016	0.050
Heptachlor	0.050	U	0.014	0.050
Heptachlor epoxide	0.050	U	0.016	0.050
Methoxychlor	0.050	U	0.015	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		50 - 147
DCB Decachlorobiphenyl	70		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1249			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		50 - 147
DCB Decachlorobiphenyl	59		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1301			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.050	U	0.017	0.050
alpha-BHC	0.050	U	0.0090	0.050
beta-BHC	0.050	U	0.013	0.050
delta-BHC	0.050	U	0.012	0.050
gamma-BHC (Lindane)	0.050	U	0.014	0.050
Chlordane (technical)	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.019	0.050
4,4'-DDE	0.050	U	0.016	0.050
4,4'-DDT	0.050	U	0.017	0.050
Dieldrin	0.050	U	0.022	0.050
Endosulfan I	0.050	U	0.016	0.050
Endosulfan II	0.050	U	0.016	0.050
Endosulfan sulfate	0.050	U	0.016	0.050
Endrin	0.050	U	0.017	0.050
Endrin aldehyde	0.050	U	0.016	0.050
Endrin ketone	0.050	U	0.016	0.050
Heptachlor	0.050	U	0.014	0.050
Heptachlor epoxide	0.050	U	0.016	0.050
Methoxychlor	0.050	U	0.015	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		50 - 147
DCB Decachlorobiphenyl	43		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1301			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		50 - 147
DCB Decachlorobiphenyl	33		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1312			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.050	U	0.017	0.050
alpha-BHC	0.050	U	0.0090	0.050
beta-BHC	0.050	U	0.013	0.050
delta-BHC	0.050	U	0.012	0.050
gamma-BHC (Lindane)	0.050	U	0.014	0.050
Chlordane (technical)	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.019	0.050
4,4'-DDE	0.050	U	0.016	0.050
4,4'-DDT	0.050	U	0.017	0.050
Dieldrin	0.050	U	0.022	0.050
Endosulfan I	0.050	U	0.016	0.050
Endosulfan II	0.050	U	0.016	0.050
Endosulfan sulfate	0.050	U	0.016	0.050
Endrin	0.050	U	0.017	0.050
Endrin aldehyde	0.050	U	0.016	0.050
Endrin ketone	0.050	U	0.016	0.050
Heptachlor	0.050	U	0.014	0.050
Heptachlor epoxide	0.050	U	0.016	0.050
Methoxychlor	0.050	U	0.015	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		50 - 147
DCB Decachlorobiphenyl	38	p	26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1312			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		50 - 147
DCB Decachlorobiphenyl	59		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1324			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.052	U	0.018	0.052
alpha-BHC	0.052	U	0.0094	0.052
beta-BHC	0.052	U	0.014	0.052
delta-BHC	0.052	U	0.013	0.052
gamma-BHC (Lindane)	0.052	U	0.015	0.052
Chlordane (technical)	0.52	U	0.22	0.52
4,4'-DDD	0.052	U	0.020	0.052
4,4'-DDE	0.052	U	0.017	0.052
4,4'-DDT	0.052	U	0.018	0.052
Dieldrin	0.052	U	0.023	0.052
Endosulfan I	0.052	U	0.017	0.052
Endosulfan II	0.052	U	0.017	0.052
Endosulfan sulfate	0.052	U	0.017	0.052
Endrin	0.052	U	0.018	0.052
Endrin aldehyde	0.052	U	0.017	0.052
Endrin ketone	0.052	U	0.017	0.052
Heptachlor	0.052	U	0.015	0.052
Heptachlor epoxide	0.052	U	0.017	0.052
Methoxychlor	0.052	U	0.016	0.052
Toxaphene	0.52	U	0.35	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		50 - 147
DCB Decachlorobiphenyl	63		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1324			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		50 - 147
DCB Decachlorobiphenyl	54		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1335			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.052	U	0.018	0.052
alpha-BHC	0.052	U	0.0094	0.052
beta-BHC	0.052	U	0.014	0.052
delta-BHC	0.052	U	0.013	0.052
gamma-BHC (Lindane)	0.052	U	0.015	0.052
Chlordane (technical)	0.52	U	0.22	0.52
4,4'-DDD	0.052	U	0.020	0.052
4,4'-DDE	0.052	U	0.017	0.052
4,4'-DDT	0.052	U	0.018	0.052
Dieldrin	0.052	U	0.023	0.052
Endosulfan I	0.052	U	0.017	0.052
Endosulfan II	0.052	U	0.017	0.052
Endosulfan sulfate	0.052	U	0.017	0.052
Endrin	0.052	U	0.018	0.052
Endrin aldehyde	0.052	U	0.017	0.052
Endrin ketone	0.052	U	0.017	0.052
Heptachlor	0.052	U	0.015	0.052
Heptachlor epoxide	0.052	U	0.017	0.052
Methoxychlor	0.052	U	0.016	0.052
Toxaphene	0.52	U	0.35	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		50 - 147
DCB Decachlorobiphenyl	51		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1335			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		50 - 147
DCB Decachlorobiphenyl	42		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1347			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.052	U	0.018	0.052
alpha-BHC	0.052	U	0.0094	0.052
beta-BHC	0.052	U	0.014	0.052
delta-BHC	0.052	U	0.013	0.052
gamma-BHC (Lindane)	0.052	U	0.015	0.052
Chlordane (technical)	0.52	U	0.22	0.52
4,4'-DDD	0.052	U	0.020	0.052
4,4'-DDE	0.052	U	0.017	0.052
4,4'-DDT	0.052	U	0.018	0.052
Dieldrin	0.052	U	0.023	0.052
Endosulfan I	0.052	U	0.017	0.052
Endosulfan II	0.052	U	0.017	0.052
Endosulfan sulfate	0.052	U	0.017	0.052
Endrin	0.052	U	0.018	0.052
Endrin aldehyde	0.052	U	0.017	0.052
Endrin ketone	0.052	U	0.017	0.052
Heptachlor	0.052	U	0.015	0.052
Heptachlor epoxide	0.052	U	0.017	0.052
Methoxychlor	0.052	U	0.016	0.052
Toxaphene	0.52	U	0.35	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		50 - 147
DCB Decachlorobiphenyl	67		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Prep Method:	3510C	Prep Batch:	460-240508	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1347			Injection Volume:	1 uL
Prep Date:	08/04/2014 0814			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		50 - 147
DCB Decachlorobiphenyl	59		26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0031 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0902			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.6	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.6	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.6	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.6	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.6	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0031 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0902			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		76 - 149
Tetrachloro-m-xylene	98		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0916			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		76 - 149
Tetrachloro-m-xylene	91		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0916			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		76 - 149
Tetrachloro-m-xylene	89		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0929			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.2	7.0
Dieldrin		7.0	U	1.2	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.2	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		76 - 149
Tetrachloro-m-xylene	97		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0929			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		76 - 149
Tetrachloro-m-xylene	93		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0004 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0943			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	99		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0004 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0943			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		76 - 149
Tetrachloro-m-xylene	94		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0025 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0957			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.7	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.7	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.7	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.7	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.7	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		76 - 149
Tetrachloro-m-xylene	98		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0025 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 0957			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		76 - 149
Tetrachloro-m-xylene	95		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1011			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.1	U	1.4	7.1
4,4'-DDE		7.1	U	1.4	7.1
4,4'-DDT		7.1	U	1.7	7.1
Aldrin		7.1	U	1.5	7.1
alpha-BHC		7.1	U	1.6	7.1
beta-BHC		7.1	U	1.7	7.1
Chlordane (technical)		71	U	20	71
delta-BHC		7.1	U	1.3	7.1
Dieldrin		7.1	U	1.3	7.1
Endosulfan I		7.1	U	1.6	7.1
Endosulfan II		7.1	U	1.4	7.1
Endosulfan sulfate		7.1	U	1.4	7.1
Endrin		7.1	U	1.7	7.1
Endrin aldehyde		7.1	U	1.1	7.1
Endrin ketone		7.1	U	1.4	7.1
gamma-BHC (Lindane)		7.1	U	1.3	7.1
Heptachlor		7.1	U	1.7	7.1
Heptachlor epoxide		7.1	U	1.6	7.1
Methoxychlor		7.1	U	1.7	7.1
Toxaphene		71	U	19	71

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	94		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1011			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		76 - 149
Tetrachloro-m-xylene	92		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240766	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/07/2014 0824			Injection Volume:	1 uL
Prep Date:	08/05/2014 1133			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		76 - 149
Tetrachloro-m-xylene	85		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240766	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/07/2014 0824			Injection Volume:	1 uL
Prep Date:	08/05/2014 1133			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		76 - 149
Tetrachloro-m-xylene	84		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1024			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.2	7.0
Dieldrin		7.0	U	1.2	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.2	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		76 - 149
Tetrachloro-m-xylene	97		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240466	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1024			Injection Volume:	1 uL
Prep Date:	08/04/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		76 - 149
Tetrachloro-m-xylene	94		72 - 136

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 0944			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.42	U	0.28	0.42
Aroclor 1221	0.42	U	0.28	0.42
Aroclor 1232	0.42	U	0.28	0.42
Aroclor 1242	0.42	U	0.28	0.42
Aroclor 1248	0.42	U	0.28	0.42
Aroclor 1254	0.42	U	0.22	0.42
Aroclor 1260	0.42	U	0.22	0.42
Aroclor-1262	0.42	U	0.22	0.42
Aroclor 1268	0.42	U	0.22	0.42
Polychlorinated biphenyls, Total	0.42	U	0.28	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 0944			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1330			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor-1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65	p	13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1330			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1346			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor-1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	32		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1346			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	32		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1401			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor-1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1401			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1418			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.42	U	0.28	0.42
Aroclor 1221	0.42	U	0.28	0.42
Aroclor 1232	0.42	U	0.28	0.42
Aroclor 1242	0.42	U	0.28	0.42
Aroclor 1248	0.42	U	0.28	0.42
Aroclor 1254	0.42	U	0.22	0.42
Aroclor 1260	0.42	U	0.22	0.42
Aroclor-1262	0.42	U	0.22	0.42
Aroclor 1268	0.42	U	0.22	0.42
Polychlorinated biphenyls, Total	0.42	U	0.28	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1418			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	51		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1434			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.42	U	0.28	0.42
Aroclor 1221	0.42	U	0.28	0.42
Aroclor 1232	0.42	U	0.28	0.42
Aroclor 1242	0.42	U	0.28	0.42
Aroclor 1248	0.42	U	0.28	0.42
Aroclor 1254	0.42	U	0.22	0.42
Aroclor 1260	0.42	U	0.22	0.42
Aroclor-1262	0.42	U	0.22	0.42
Aroclor 1268	0.42	U	0.22	0.42
Polychlorinated biphenyls, Total	0.42	U	0.28	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1434			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	42		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1451			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.42	U	0.28	0.42
Aroclor 1221	0.42	U	0.28	0.42
Aroclor 1232	0.42	U	0.28	0.42
Aroclor 1242	0.42	U	0.28	0.42
Aroclor 1248	0.42	U	0.28	0.42
Aroclor 1254	0.42	U	0.22	0.42
Aroclor 1260	0.42	U	0.22	0.42
Aroclor-1262	0.42	U	0.22	0.42
Aroclor 1268	0.42	U	0.22	0.42
Polychlorinated biphenyls, Total	0.42	U	0.28	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240773	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-240506	Initial Weight/Volume:	120 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/05/2014 1451			Injection Volume:	1 uL
Prep Date:	08/04/2014 0805			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0031 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1409			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0031 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1409			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1428			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1428			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1447			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0071 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1447			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0004 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1506			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0004 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1506			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0025 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1525			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0025 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1525			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1544			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		71	U	16	71
Aroclor 1221		71	U	16	71
Aroclor 1232		71	U	16	71
Aroclor 1242		71	U	16	71
Aroclor 1248		71	U	16	71
Aroclor 1254		71	U	20	71
Aroclor 1260		71	U	20	71
Aroclor-1262		71	U	20	71
Aroclor 1268		71	U	20	71
Polychlorinated biphenyls, Total		71	U	20	71

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0088 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1544			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240767	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 0638			Injection Volume:	1 uL
Prep Date:	08/05/2014 1146			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240767	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 0638			Injection Volume:	1 uL
Prep Date:	08/05/2014 1146			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1603			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240468	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/04/2014 1603			Injection Volume:	1 uL
Prep Date:	08/04/2014 0245			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1835			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	3920		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	87.4	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	93400		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	4.8	J	3.8	50.0
Chromium	22.7		4.6	10.0
Copper	19.9	J	6.2	25.0
Iron	14100		51.4	150
Potassium	10100		281	5000
Magnesium	10900		355	5000
Manganese	397		4.3	15.0
Sodium	142000		514	5000
Nickel	19.1	J	7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	10.2	J	4.2	50.0
Zinc	58.9		5.9	30.0

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1719			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	107	J	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	56.3	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	92200		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	10300		281	5000
Magnesium	10200		355	5000

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-3**

Lab Sample ID: 460-80389-1

Client Matrix: Water

Date Sampled: 07/31/2014 0730

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	136		4.3	15.0
Sodium	155000		514	5000
Nickel	40.0	U	7.8	40.0
Lead	8.0	J	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	7.2	J	5.9	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1442			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1531			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1838			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	27000		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	457		6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	69900		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	28.8	J	3.8	50.0
Chromium	141		4.6	10.0
Copper	86.7		6.2	25.0
Iron	57000		51.4	150
Potassium	16900		281	5000
Magnesium	19800		355	5000
Manganese	2150		4.3	15.0
Nickel	77.7		7.8	40.0
Lead	28.2		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	67.5		4.2	50.0
Zinc	219		5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2237			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	391000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1723			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	77.9	J	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	157	J	6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	65500		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	7.4	J	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	8680		281	5000
Magnesium	12200		355	5000
Manganese	1830		4.3	15.0
Nickel	12.1	J	7.8	40.0
Lead	14.7		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	13.0	J	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1315			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	421000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1444			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1533			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-1**

Lab Sample ID: 460-80389-2

Client Matrix: Water

Date Sampled: 07/31/2014 0800

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1842			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	1920		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	106	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	33300		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	6.7	J	4.6	10.0
Copper	12.3	J	6.2	25.0
Iron	4220		51.4	150
Potassium	8220		281	5000
Magnesium	6590		355	5000
Manganese	162		4.3	15.0
Nickel	10.5	J	7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	5.5	J	4.2	50.0
Zinc	20.9	J	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2240			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1120000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1727			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	200	U	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	94.5	J	6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	35300		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	9310		281	5000
Magnesium	6470		355	5000
Manganese	135		4.3	15.0
Nickel	40.0	U	7.8	40.0
Lead	9.3	J	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1319			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1220000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1419			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1535			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4**

Lab Sample ID: 460-80389-3

Client Matrix: Water

Date Sampled: 07/31/2014 0830

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1846			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	1930		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	99.8	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	30300		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	7.1	J	4.6	10.0
Copper	10.8	J	6.2	25.0
Iron	3960		51.4	150
Potassium	7910		281	5000
Magnesium	6030		355	5000
Manganese	149		4.3	15.0
Nickel	10.1	J	7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	5.1	J	4.2	50.0
Zinc	19.9	J	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2244			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1090000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1742			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	200	U	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	93.0	J	6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	35500		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	9090		281	5000
Magnesium	6530		355	5000
Manganese	144		4.3	15.0
Nickel	40.0	U	7.8	40.0
Lead	9.7	J	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1334			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1230000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1447			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1537			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-4D**

Lab Sample ID: 460-80389-4

Client Matrix: Water

Date Sampled: 07/31/2014 0845

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1850			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	11400		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	348		6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	190000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	9.3	J	3.8	50.0
Chromium	82.3		4.6	10.0
Copper	59.8		6.2	25.0
Iron	30800		51.4	150
Potassium	27800		281	5000
Magnesium	34400		355	5000
Manganese	1010		4.3	15.0
Nickel	43.4		7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	31.8	J	4.2	50.0
Zinc	110		5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2248			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1150000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1746			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	167	J	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	193	J	6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	202000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Potassium	27900		281	5000
Magnesium	34500		355	5000
Manganese	872		4.3	15.0
Nickel	10.2	J	7.8	40.0
Lead	10.6		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	13.3	J	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1338			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	1500	U	514	1500
Sodium	1220000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1449			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1539			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-5**

Lab Sample ID: 460-80389-5

Client Matrix: Water

Date Sampled: 07/31/2014 0915

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1854			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	6390		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	318		6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	201000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	13.6	J	3.8	50.0
Chromium	120		4.6	10.0
Copper	48.5		6.2	25.0
Potassium	23200		281	5000
Magnesium	47700		355	5000
Manganese	711		4.3	15.0
Nickel	50.9		7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	14.9	J	4.2	50.0
Zinc	414		5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2302			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	23700		1030	3000
Sodium	452000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1704			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	202		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	275		6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	228000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	14.0	J	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Potassium	25900		281	5000
Magnesium	52700		355	5000
Manganese	880		4.3	15.0
Nickel	26.3	J	7.8	40.0
Lead	11.4		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	214		5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1301			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	1500	U	514	1500
Sodium	512000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1451			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1541			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-6**

Lab Sample ID: 460-80389-6

Client Matrix: Water

Date Sampled: 07/31/2014 0945

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1857			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	14300		73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	176	J	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	134000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	23.4	J	3.8	50.0
Chromium	79.9		4.6	10.0
Copper	98.1		6.2	25.0
Iron	40800		51.4	150
Potassium	14800		281	5000
Magnesium	37500		355	5000
Manganese	1340		4.3	15.0
Nickel	65.2		7.8	40.0
Lead	24.3		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	46.9	J	4.2	50.0
Zinc	112		5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20			Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2306			Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	658000		10300	100000

6010C Metals (ICP)-Dissolved

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1750			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	158	J	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	85.0	J	6.5	200

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

6010C Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Beryllium	2.0	U	1.1	2.0
Calcium	150000		416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	4.2	J	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	13600		281	5000
Magnesium	38800		355	5000
Manganese	1350		4.3	15.0
Nickel	17.1	J	7.8	40.0
Lead	12.5		4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	14.8	J	5.9	30.0

Analysis Method:	6010C	Analysis Batch:	460-241575	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1341			Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	697000		5140	50000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1456			Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Prep Method:	7470A	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1543			Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **GW-2**

Lab Sample ID: 460-80389-7

Client Matrix: Water

Date Sampled: 07/31/2014 1015

Date Received: 08/01/2014 1340

7470A Mercury (CVAA)-Dissolved

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

% Moisture: 2.7

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.38 g
Analysis Date:	08/04/2014 2106			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.31	J	0.29	1.5
Aluminum		4520		16.5	29.8
Arsenic		2.2	U	0.61	2.2
Barium		44.5		1.3	29.8
Beryllium		0.30	U	0.20	0.30
Calcium		827		57.0	745
Cadmium		0.60	U	0.21	0.60
Cobalt		8.4		0.67	7.5
Chromium		14.2		0.60	1.5
Copper		24.5		1.3	3.7
Iron		17900		18.6	22.4
Potassium		1480		20.6	745
Magnesium		1600		49.5	745
Manganese		386		0.64	2.2
Sodium		130	J	56.3	745
Nickel		14.2		1.3	6.0
Lead		3.1		0.61	1.5
Antimony		3.0	U	1.1	3.0
Selenium		3.0	U	0.85	3.0
Thallium		3.0	U	1.5	3.0
Vanadium		19.8		0.62	7.5
Zinc		18.8		1.3	4.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	08/06/2014 1043			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.011	0.016

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

% Moisture: 4.4

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.27 g
Analysis Date:	08/04/2014 2110			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.6	U	0.32	1.6
Aluminum		3530		18.2	33.0
Arsenic		2.5	U	0.67	2.5
Barium		35.0		1.4	33.0
Beryllium		0.33	U	0.22	0.33
Calcium		492	J	63.0	824
Cadmium		0.66	U	0.23	0.66
Cobalt		3.9	J	0.74	8.2
Chromium		9.8		0.66	1.6
Copper		12.1		1.5	4.1
Iron		9210		20.5	24.7
Potassium		1060		22.7	824
Magnesium		1250		54.7	824
Manganese		134		0.71	2.5
Sodium		423	J	62.3	824
Nickel		10.9		1.5	6.6
Lead		1.9		0.68	1.6
Antimony		3.3	U	1.2	3.3
Selenium		3.3	U	0.94	3.3
Thallium		3.3	U	1.6	3.3
Vanadium		11.9		0.68	8.2
Zinc		13.9		1.4	4.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/06/2014 1045			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.50 g
Analysis Date:	08/04/2014 2113			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.4	U	0.27	1.4
Aluminum		3440		15.3	27.7
Arsenic		2.1	U	0.57	2.1
Barium		36.7		1.2	27.7
Beryllium		0.28	U	0.19	0.28
Calcium		681	J	53.1	694
Cadmium		0.55	U	0.20	0.55
Cobalt		5.2	J	0.63	6.9
Chromium		10.7		0.56	1.4
Copper		14.6		1.2	3.5
Iron		11700		17.3	20.8
Potassium		1290		19.1	694
Magnesium		1340		46.1	694
Manganese		171		0.60	2.1
Sodium		694	U	52.4	694
Nickel		10.9		1.2	5.5
Lead		2.4		0.57	1.4
Antimony		2.8	U	1.0	2.8
Selenium		2.8	U	0.79	2.8
Thallium		2.8	U	1.4	2.8
Vanadium		13.0		0.57	6.9
Zinc		24.9		1.2	4.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/06/2014 1047			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.39 g
Analysis Date:	08/04/2014 2117			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.5	U	0.29	1.5
Aluminum		3130		16.7	30.1
Arsenic		2.3	U	0.62	2.3
Barium		33.1		1.3	30.1
Beryllium		0.30	U	0.20	0.30
Calcium		782		57.6	754
Cadmium		0.60	U	0.21	0.60
Cobalt		4.4	J	0.68	7.5
Chromium		10.7		0.60	1.5
Copper		16.6		1.3	3.8
Iron		11300		18.8	22.6
Potassium		911		20.8	754
Magnesium		1090		50.0	754
Manganese		126		0.65	2.3
Sodium		754	U	57.0	754
Nickel		11.3		1.3	6.0
Lead		2.1		0.62	1.5
Antimony		3.0	U	1.1	3.0
Selenium		3.0	U	0.86	3.0
Thallium		3.0	U	1.5	3.0
Vanadium		14.2		0.62	7.5
Zinc		14.6		1.3	4.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/06/2014 1036			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.32 g
Analysis Date:	08/04/2014 2120			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.6	U	0.30	1.6
Aluminum		6450		17.3	31.3
Arsenic		2.3	U	0.64	2.3
Barium		98.9		1.4	31.3
Beryllium		0.31	U	0.21	0.31
Calcium		817		59.8	782
Cadmium		0.63	U	0.22	0.63
Cobalt		5.6	J	0.71	7.8
Chromium		16.3		0.63	1.6
Copper		11.1		1.4	3.9
Iron		13700		19.5	23.4
Potassium		3280		21.6	782
Magnesium		3020		51.9	782
Manganese		166		0.67	2.3
Sodium		164	J	59.1	782
Nickel		17.6		1.4	6.3
Lead		2.4		0.64	1.6
Antimony		3.1	U	1.2	3.1
Selenium		3.1	U	0.89	3.1
Thallium		3.1	U	1.5	3.1
Vanadium		19.3		0.65	7.8
Zinc		27.4		1.3	4.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	08/06/2014 1049			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.012	J	0.012	0.016

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.24 g
Analysis Date:	08/04/2014 2140			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.7	U	0.33	1.7
Aluminum		2930		18.8	34.0
Arsenic		2.6	U	0.70	2.6
Barium		33.8	J	1.5	34.0
Beryllium		0.34	U	0.23	0.34
Calcium		472	J	65.1	850
Cadmium		0.68	U	0.24	0.68
Cobalt		3.2	J	0.77	8.5
Chromium		7.3		0.68	1.7
Copper		9.0		1.5	4.3
Iron		6040		21.2	25.5
Potassium		967		23.5	850
Magnesium		1040		56.5	850
Manganese		134		0.73	2.6
Sodium		850	U	64.3	850
Nickel		8.1		1.5	6.8
Lead		1.4	J	0.70	1.7
Antimony		3.4	U	1.3	3.4
Selenium		3.4	U	0.97	3.4
Thallium		3.4	U	1.7	3.4
Vanadium		7.9	J	0.70	8.5
Zinc		10.5		1.5	5.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	08/06/2014 1051			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.011	0.016

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.23 g
Analysis Date:	08/04/2014 2144			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.7	U	0.33	1.7
Aluminum		5880		18.9	34.2
Arsenic		2.6	U	0.70	2.6
Barium		60.2		1.5	34.2
Beryllium		0.34	U	0.23	0.34
Calcium		403	J	65.4	855
Cadmium		0.68	U	0.24	0.68
Cobalt		5.8	J	0.77	8.6
Chromium		14.6		0.68	1.7
Copper		10.4		1.5	4.3
Iron		15800		21.3	25.7
Potassium		2260		23.6	855
Magnesium		2190		56.8	855
Manganese		265		0.74	2.6
Sodium		855	U	64.6	855
Nickel		13.2		1.5	6.8
Lead		3.4		0.70	1.7
Antimony		3.4	U	1.3	3.4
Selenium		3.4	U	0.97	3.4
Thallium		3.4	U	1.7	3.4
Vanadium		18.6		0.71	8.6
Zinc		42.1		1.5	5.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	08/06/2014 1058			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80389-1

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-240623	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0			Initial Weight/Volume:	1.29 g
Analysis Date:	08/04/2014 2147			Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.6	U	0.31	1.6
Aluminum		3710		17.8	32.3
Arsenic		2.4	U	0.66	2.4
Barium		45.9		1.4	32.3
Beryllium		0.32	U	0.22	0.32
Calcium		747	J	61.7	807
Cadmium		0.65	U	0.23	0.65
Cobalt		3.9	J	0.73	8.1
Chromium		9.5		0.65	1.6
Copper		9.1		1.4	4.0
Iron		9050		20.1	24.2
Potassium		1740		22.3	807
Magnesium		1670		53.6	807
Manganese		150		0.70	2.4
Sodium		807	U	61.0	807
Nickel		10.6		1.4	6.5
Lead		1.8		0.66	1.6
Antimony		3.2	U	1.2	3.2
Selenium		3.2	U	0.92	3.2
Thallium		3.2	U	1.6	3.2
Vanadium		12.2		0.67	8.1
Zinc		21.6		1.4	4.8

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/06/2014 1100			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

General Chemistry

Client Sample ID: **B-11 (0-2)**

Lab Sample ID: 460-80389-8

Client Matrix: Solid

Date Sampled: 07/31/2014 1045

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N
Percent Solids	97.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-11 (25-27)**

Lab Sample ID: 460-80389-9

Client Matrix: Solid

Date Sampled: 07/31/2014 1100

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-6 (0-2)**

Lab Sample ID: 460-80389-12

Client Matrix: Solid

Date Sampled: 07/31/2014 1215

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N
Percent Solids	96.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-6 (25-27)**

Lab Sample ID: 460-80389-13

Client Matrix: Solid

Date Sampled: 07/31/2014 1230

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N
Percent Solids	95.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-5 (0-2)**

Lab Sample ID: 460-80389-14

Client Matrix: Solid

Date Sampled: 07/31/2014 1300

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-5 (25-27)**

Lab Sample ID: 460-80389-15

Client Matrix: Solid

Date Sampled: 07/31/2014 1330

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N
Percent Solids	94.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240206		Analysis Date: 08/01/2014 1613				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-4 (0-2)**

Lab Sample ID: 460-80389-16

Client Matrix: Solid

Date Sampled: 07/31/2014 1400

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N
Percent Solids	95.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-4 (25-27)**

Lab Sample ID: 460-80389-17

Client Matrix: Solid

Date Sampled: 07/31/2014 1430

Date Received: 08/01/2014 1340

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N
Percent Solids	96.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240206	Analysis Date: 08/01/2014 1613						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	ISTD response or retention time outside acceptable limits
	*	MS or MSD exceeds the control limits
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	*	Duplicate analysis not within control limits.

QUALITY CONTROL RESULTS

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-240219					
460-80389-8	B-11 (0-2)	T	Solid	5035	
460-80389-9	B-11 (25-27)	T	Solid	5035	
460-80389-12	B-6 (0-2)	T	Solid	5035	
460-80389-13	B-6 (25-27)	T	Solid	5035	
460-80389-14	B-5 (0-2)	T	Solid	5035	
460-80389-15	B-5 (25-27)	T	Solid	5035	
460-80389-16	B-4 (0-2)	T	Solid	5035	
460-80389-17	B-4 (25-27)	T	Solid	5035	
Analysis Batch:460-240843					
LCS 460-240843/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-240843/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-240843/6	Method Blank	T	Solid	8260C	
460-80389-8	B-11 (0-2)	T	Solid	8260C	460-240219
Analysis Batch:460-240922					
LCS 460-240922/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-240922/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-240922/6	Method Blank	T	Solid	8260C	
460-80389-9	B-11 (25-27)	T	Solid	8260C	460-240219
460-80389-13	B-6 (25-27)	T	Solid	8260C	460-240219
460-80389-14	B-5 (0-2)	T	Solid	8260C	460-240219
460-80389-15	B-5 (25-27)	T	Solid	8260C	460-240219
460-80389-17	B-4 (25-27)	T	Solid	8260C	460-240219
Analysis Batch:460-241085					
LCS 460-241085/4	Lab Control Sample	T	Water	8260C	
MB 460-241085/6	Method Blank	T	Water	8260C	
460-80389-1	GW-3	T	Water	8260C	
460-80389-1MS	Matrix Spike	T	Water	8260C	
460-80389-1MSD	Matrix Spike Duplicate	T	Water	8260C	
460-80389-2	GW-1	T	Water	8260C	
460-80389-5	GW-5	T	Water	8260C	
460-80389-6	GW-6	T	Water	8260C	
460-80389-11	MW-17	T	Water	8260C	
460-80389-18TB	TB0731	T	Water	8260C	
Analysis Batch:460-241089					
LCS 460-241089/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-241089/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-241089/6	Method Blank	T	Solid	8260C	
460-80389-12	B-6 (0-2)	T	Solid	8260C	460-240219

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-241152					
LCS 460-241152/4	Lab Control Sample	T	Solid	8260C	
LCSD 460-241152/5	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-241152/7	Method Blank	T	Solid	8260C	
460-80389-16	B-4 (0-2)	T	Solid	8260C	460-240219
Analysis Batch:460-241211					
LCS 460-241211/4	Lab Control Sample	T	Water	8260C	
MB 460-241211/7	Method Blank	T	Water	8260C	
460-80331-C-3 MS	Matrix Spike	T	Water	8260C	
460-80331-C-3 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-80389-3	GW-4	T	Water	8260C	
460-80389-4	GW-4D	T	Water	8260C	
460-80389-7	GW-2	T	Water	8260C	
460-80389-10	RXMW-6	T	Water	8260C	

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-240245					
LCS 460-240245/2-A	Lab Control Sample	T	Solid	3541	
LCS 460-240245/3-A	Lab Control Sample	T	Solid	3541	
MB 460-240245/1-A	Method Blank	T	Solid	3541	
480-64613-C-24-A MS	Matrix Spike	T	Solid	3541	
480-64613-C-24-B MSD	Matrix Spike Duplicate	T	Solid	3541	
460-80389-8	B-11 (0-2)	T	Solid	3541	
460-80389-9	B-11 (25-27)	T	Solid	3541	
460-80389-12	B-6 (0-2)	T	Solid	3541	
460-80389-13	B-6 (25-27)	T	Solid	3541	
460-80389-14	B-5 (0-2)	T	Solid	3541	
460-80389-15	B-5 (25-27)	T	Solid	3541	
460-80389-16	B-4 (0-2)	T	Solid	3541	
460-80389-17	B-4 (25-27)	T	Solid	3541	
Prep Batch: 460-240301					
LCS 460-240301/2-A	Lab Control Sample	T	Water	3510C	
LCS 460-240301/4-A	Lab Control Sample	T	Water	3510C	
LCSD 460-240301/3-A	Lab Control Sample Duplicate	T	Water	3510C	
LCSD 460-240301/5-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-240301/1-A	Method Blank	T	Water	3510C	
460-80389-1	GW-3	T	Water	3510C	
460-80389-2	GW-1	T	Water	3510C	
460-80389-3	GW-4	T	Water	3510C	
460-80389-4	GW-4D	T	Water	3510C	
460-80389-5	GW-5	T	Water	3510C	
460-80389-6	GW-6	T	Water	3510C	
460-80389-7	GW-2	T	Water	3510C	
Analysis Batch:460-240443					
LCS 460-240245/3-A	Lab Control Sample	T	Solid	8270D	460-240245
MB 460-240245/1-A	Method Blank	T	Solid	8270D	460-240245
480-64613-C-24-A MS	Matrix Spike	T	Solid	8270D	460-240245
480-64613-C-24-B MSD	Matrix Spike Duplicate	T	Solid	8270D	460-240245
460-80389-16	B-4 (0-2)	T	Solid	8270D	460-240245

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:460-240456					
LCS 460-240301/2-A	Lab Control Sample	T	Water	8270D	460-240301
LCS 460-240301/4-A	Lab Control Sample	T	Water	8270D	460-240301
LCSD 460-240301/3-A	Lab Control Sample Duplicate	T	Water	8270D	460-240301
LCSD 460-240301/5-A	Lab Control Sample Duplicate	T	Water	8270D	460-240301
MB 460-240301/1-A	Method Blank	T	Water	8270D	460-240301
460-80389-1	GW-3	T	Water	8270D	460-240301
460-80389-2	GW-1	T	Water	8270D	460-240301
460-80389-3	GW-4	T	Water	8270D	460-240301
460-80389-4	GW-4D	T	Water	8270D	460-240301
460-80389-5	GW-5	T	Water	8270D	460-240301
460-80389-6	GW-6	T	Water	8270D	460-240301
460-80389-7	GW-2	T	Water	8270D	460-240301
Analysis Batch:460-240573					
LCS 460-240245/2-A	Lab Control Sample	T	Solid	8270D	460-240245
Analysis Batch:460-240689					
460-80389-8	B-11 (0-2)	T	Solid	8270D	460-240245
460-80389-9	B-11 (25-27)	T	Solid	8270D	460-240245
460-80389-12	B-6 (0-2)	T	Solid	8270D	460-240245
460-80389-14	B-5 (0-2)	T	Solid	8270D	460-240245
460-80389-15	B-5 (25-27)	T	Solid	8270D	460-240245
460-80389-17	B-4 (25-27)	T	Solid	8270D	460-240245
Analysis Batch:460-240910					
460-80389-13	B-6 (25-27)	T	Solid	8270D	460-240245

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-240466					
LCS 460-240466/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240466/1-A	Method Blank	T	Solid	3546	
460-80389-8	B-11 (0-2)	T	Solid	3546	
460-80389-8MS	Matrix Spike	T	Solid	3546	
460-80389-8MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80389-9	B-11 (25-27)	T	Solid	3546	
460-80389-12	B-6 (0-2)	T	Solid	3546	
460-80389-13	B-6 (25-27)	T	Solid	3546	
460-80389-14	B-5 (0-2)	T	Solid	3546	
460-80389-15	B-5 (25-27)	T	Solid	3546	
460-80389-17	B-4 (25-27)	T	Solid	3546	
Prep Batch: 460-240468					
LCS 460-240468/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240468/1-A	Method Blank	T	Solid	3546	
460-79915-D-16-F MS	Matrix Spike	T	Solid	3546	
460-79915-D-16-G MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80389-8	B-11 (0-2)	T	Solid	3546	
460-80389-9	B-11 (25-27)	T	Solid	3546	
460-80389-12	B-6 (0-2)	T	Solid	3546	
460-80389-13	B-6 (25-27)	T	Solid	3546	
460-80389-14	B-5 (0-2)	T	Solid	3546	
460-80389-15	B-5 (25-27)	T	Solid	3546	
460-80389-17	B-4 (25-27)	T	Solid	3546	
Analysis Batch:460-240505					
LCS 460-240466/2-A	Lab Control Sample	T	Solid	8081B	460-240466
MB 460-240466/1-A	Method Blank	T	Solid	8081B	460-240466
460-80389-8	B-11 (0-2)	T	Solid	8081B	460-240466
460-80389-8MS	Matrix Spike	T	Solid	8081B	460-240466
460-80389-8MSD	Matrix Spike Duplicate	T	Solid	8081B	460-240466
460-80389-9	B-11 (25-27)	T	Solid	8081B	460-240466
460-80389-12	B-6 (0-2)	T	Solid	8081B	460-240466
460-80389-13	B-6 (25-27)	T	Solid	8081B	460-240466
460-80389-14	B-5 (0-2)	T	Solid	8081B	460-240466
460-80389-15	B-5 (25-27)	T	Solid	8081B	460-240466
460-80389-17	B-4 (25-27)	T	Solid	8081B	460-240466

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-240506					
LCS 460-240506/2-A	Lab Control Sample	T	Water	3510C	
MB 460-240506/1-A	Method Blank	T	Water	3510C	
460-80349-A-4-A MS	Matrix Spike	T	Water	3510C	
460-80349-B-4-A MSD	Matrix Spike Duplicate	T	Water	3510C	
460-80389-1	GW-3	T	Water	3510C	
460-80389-2	GW-1	T	Water	3510C	
460-80389-3	GW-4	T	Water	3510C	
460-80389-4	GW-4D	T	Water	3510C	
460-80389-5	GW-5	T	Water	3510C	
460-80389-6	GW-6	T	Water	3510C	
460-80389-7	GW-2	T	Water	3510C	
Prep Batch: 460-240508					
LCS 460-240508/2-A	Lab Control Sample	T	Water	3510C	
MB 460-240508/1-A	Method Blank	T	Water	3510C	
460-80349-A-4-C MS	Matrix Spike	T	Water	3510C	
460-80349-B-4-B MSD	Matrix Spike Duplicate	T	Water	3510C	
460-80389-1	GW-3	T	Water	3510C	
460-80389-2	GW-1	T	Water	3510C	
460-80389-3	GW-4	T	Water	3510C	
460-80389-4	GW-4D	T	Water	3510C	
460-80389-5	GW-5	T	Water	3510C	
460-80389-6	GW-6	T	Water	3510C	
460-80389-7	GW-2	T	Water	3510C	
Analysis Batch:460-240564					
LCS 460-240468/2-A	Lab Control Sample	T	Solid	8082A	460-240468
MB 460-240468/1-A	Method Blank	T	Solid	8082A	460-240468
460-79915-D-16-F MS	Matrix Spike	T	Solid	8082A	460-240468
460-79915-D-16-G MSD	Matrix Spike Duplicate	T	Solid	8082A	460-240468
460-80389-8	B-11 (0-2)	T	Solid	8082A	460-240468
460-80389-9	B-11 (25-27)	T	Solid	8082A	460-240468
460-80389-12	B-6 (0-2)	T	Solid	8082A	460-240468
460-80389-13	B-6 (25-27)	T	Solid	8082A	460-240468
460-80389-14	B-5 (0-2)	T	Solid	8082A	460-240468
460-80389-15	B-5 (25-27)	T	Solid	8082A	460-240468
460-80389-17	B-4 (25-27)	T	Solid	8082A	460-240468
Analysis Batch:460-240696					
LCS 460-240506/2-A	Lab Control Sample	T	Water	8082A	460-240506
MB 460-240506/1-A	Method Blank	T	Water	8082A	460-240506
460-80349-A-4-A MS	Matrix Spike	T	Water	8082A	460-240506
460-80349-B-4-A MSD	Matrix Spike Duplicate	T	Water	8082A	460-240506
460-80389-1	GW-3	T	Water	8082A	460-240506

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-240765					
LCS 460-240508/2-A	Lab Control Sample	T	Water	8081B	460-240508
MB 460-240508/1-A	Method Blank	T	Water	8081B	460-240508
460-80349-A-4-C MS	Matrix Spike	T	Water	8081B	460-240508
460-80349-B-4-B MSD	Matrix Spike Duplicate	T	Water	8081B	460-240508
460-80389-1	GW-3	T	Water	8081B	460-240508
460-80389-2	GW-1	T	Water	8081B	460-240508
460-80389-3	GW-4	T	Water	8081B	460-240508
460-80389-4	GW-4D	T	Water	8081B	460-240508
460-80389-5	GW-5	T	Water	8081B	460-240508
460-80389-6	GW-6	T	Water	8081B	460-240508
460-80389-7	GW-2	T	Water	8081B	460-240508
Prep Batch: 460-240766					
LCS 460-240766/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240766/1-A	Method Blank	T	Solid	3546	
460-80314-D-7-B MS	Matrix Spike	T	Solid	3546	
460-80314-D-7-C MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80389-16	B-4 (0-2)	T	Solid	3546	
Prep Batch: 460-240767					
LCS 460-240767/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240767/1-A	Method Blank	T	Solid	3546	
460-80249-F-12-D MS	Matrix Spike	T	Solid	3546	
460-80249-F-12-E MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80389-16	B-4 (0-2)	T	Solid	3546	
Analysis Batch:460-240773					
460-80389-2	GW-1	T	Water	8082A	460-240506
460-80389-3	GW-4	T	Water	8082A	460-240506
460-80389-4	GW-4D	T	Water	8082A	460-240506
460-80389-5	GW-5	T	Water	8082A	460-240506
460-80389-6	GW-6	T	Water	8082A	460-240506
460-80389-7	GW-2	T	Water	8082A	460-240506
Analysis Batch:460-240955					
LCS 460-240767/2-A	Lab Control Sample	T	Solid	8082A	460-240767
MB 460-240767/1-A	Method Blank	T	Solid	8082A	460-240767
460-80249-F-12-D MS	Matrix Spike	T	Solid	8082A	460-240767
460-80249-F-12-E MSD	Matrix Spike Duplicate	T	Solid	8082A	460-240767
460-80389-16	B-4 (0-2)	T	Solid	8082A	460-240767

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-241166					
LCS 460-240766/2-A	Lab Control Sample	T	Solid	8081B	460-240766
MB 460-240766/1-A	Method Blank	T	Solid	8081B	460-240766
460-80314-D-7-B MS	Matrix Spike	T	Solid	8081B	460-240766
460-80314-D-7-C MSD	Matrix Spike Duplicate	T	Solid	8081B	460-240766
460-80389-16	B-4 (0-2)	T	Solid	8081B	460-240766

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-240229					
LCS 460-240229/2-A	Lab Control Sample	T	Water	3010A	
MB 460-240229/1-A	Method Blank	T	Water	3010A	
460-80271-D-5-B DU	Duplicate	T	Water	3010A	
460-80271-D-5-B DU ^2	Duplicate	T	Water	3010A	
460-80271-D-5-C MS	Matrix Spike	T	Water	3010A	
460-80271-D-5-C MS ^2	Matrix Spike	T	Water	3010A	
460-80389-1	GW-3	T	Water	3010A	
460-80389-2	GW-1	T	Water	3010A	
460-80389-3	GW-4	T	Water	3010A	
460-80389-4	GW-4D	T	Water	3010A	
460-80389-5	GW-5	T	Water	3010A	
460-80389-6	GW-6	T	Water	3010A	
460-80389-7	GW-2	T	Water	3010A	
Prep Batch: 460-240433					
LCSSRM 460-240433/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-240433/1-A ^2	Method Blank	T	Solid	3050B	
460-80362-A-5-B DU ^4	Duplicate	T	Solid	3050B	
460-80362-A-5-C MS ^4	Matrix Spike	T	Solid	3050B	
460-80389-8	B-11 (0-2)	T	Solid	3050B	
460-80389-9	B-11 (25-27)	T	Solid	3050B	
460-80389-12	B-6 (0-2)	T	Solid	3050B	
460-80389-13	B-6 (25-27)	T	Solid	3050B	
460-80389-14	B-5 (0-2)	T	Solid	3050B	
460-80389-15	B-5 (25-27)	T	Solid	3050B	
460-80389-16	B-4 (0-2)	T	Solid	3050B	
460-80389-17	B-4 (25-27)	T	Solid	3050B	
Prep Batch: 460-240577					
LCS 460-240577/2-A	Lab Control Sample	T	Water	7470A	
MB 460-240577/1-A	Method Blank	T	Water	7470A	
460-80389-1	GW-3	T	Water	7470A	
460-80389-2	GW-1	T	Water	7470A	
460-80389-3	GW-4	T	Water	7470A	
460-80389-3DU	Duplicate	T	Water	7470A	
460-80389-3MS	Matrix Spike	T	Water	7470A	
460-80389-4	GW-4D	T	Water	7470A	
460-80389-5	GW-5	T	Water	7470A	
460-80389-6	GW-6	T	Water	7470A	
460-80389-7	GW-2	T	Water	7470A	

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-240620					
LCS 460-240577/2-A	Lab Control Sample	T	Water	7470A	460-240577
MB 460-240577/1-A	Method Blank	T	Water	7470A	460-240577
460-80389-1	GW-3	T	Water	7470A	460-240577
460-80389-2	GW-1	T	Water	7470A	460-240577
460-80389-3	GW-4	T	Water	7470A	460-240577
460-80389-3DU	Duplicate	T	Water	7470A	460-240577
460-80389-3MS	Matrix Spike	T	Water	7470A	460-240577
460-80389-4	GW-4D	T	Water	7470A	460-240577
460-80389-5	GW-5	T	Water	7470A	460-240577
460-80389-6	GW-6	T	Water	7470A	460-240577
460-80389-7	GW-2	T	Water	7470A	460-240577
Analysis Batch:460-240623					
LCS 460-240229/2-A	Lab Control Sample	T	Water	6010C	460-240229
MB 460-240229/1-A	Method Blank	T	Water	6010C	460-240229
LCSSRM 460-240433/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-240433
MB 460-240433/1-A ^2	Method Blank	T	Solid	6010C	460-240433
460-80271-D-5-B DU	Duplicate	T	Water	6010C	460-240229
460-80271-D-5-B DU ^2	Duplicate	T	Water	6010C	460-240229
460-80271-D-5-C MS	Matrix Spike	T	Water	6010C	460-240229
460-80271-D-5-C MS ^2	Matrix Spike	T	Water	6010C	460-240229
460-80362-A-5-B DU ^4	Duplicate	T	Solid	6010C	460-240433
460-80362-A-5-C MS ^4	Matrix Spike	T	Solid	6010C	460-240433
460-80389-1	GW-3	T	Water	6010C	460-240229
460-80389-2	GW-1	T	Water	6010C	460-240229
460-80389-3	GW-4	T	Water	6010C	460-240229
460-80389-4	GW-4D	T	Water	6010C	460-240229
460-80389-5	GW-5	T	Water	6010C	460-240229
460-80389-6	GW-6	T	Water	6010C	460-240229
460-80389-7	GW-2	T	Water	6010C	460-240229
460-80389-8	B-11 (0-2)	T	Solid	6010C	460-240433
460-80389-9	B-11 (25-27)	T	Solid	6010C	460-240433
460-80389-12	B-6 (0-2)	T	Solid	6010C	460-240433
460-80389-13	B-6 (25-27)	T	Solid	6010C	460-240433
460-80389-14	B-5 (0-2)	T	Solid	6010C	460-240433
460-80389-15	B-5 (25-27)	T	Solid	6010C	460-240433
460-80389-16	B-4 (0-2)	T	Solid	6010C	460-240433
460-80389-17	B-4 (25-27)	T	Solid	6010C	460-240433

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-240787					
LCS 460-240787/2-A	Lab Control Sample	T	Water	7470A	
MB 460-240779/1-B	Method Blank	D	Water	7470A	
460-80276-E-2-E DU	Duplicate	D	Water	7470A	
460-80276-E-2-F MS	Matrix Spike	D	Water	7470A	
460-80389-1	GW-3	D	Water	7470A	
460-80389-2	GW-1	D	Water	7470A	
460-80389-3	GW-4	D	Water	7470A	
460-80389-4	GW-4D	D	Water	7470A	
460-80389-5	GW-5	D	Water	7470A	
460-80389-6	GW-6	D	Water	7470A	
460-80389-7	GW-2	D	Water	7470A	
Analysis Batch:460-240837					
LCS 460-240787/2-A	Lab Control Sample	T	Water	7470A	460-240787
MB 460-240779/1-B	Method Blank	D	Water	7470A	460-240787
460-80276-E-2-E DU	Duplicate	D	Water	7470A	460-240787
460-80276-E-2-F MS	Matrix Spike	D	Water	7470A	460-240787
460-80389-1	GW-3	D	Water	7470A	460-240787
460-80389-2	GW-1	D	Water	7470A	460-240787
460-80389-3	GW-4	D	Water	7470A	460-240787
460-80389-4	GW-4D	D	Water	7470A	460-240787
460-80389-5	GW-5	D	Water	7470A	460-240787
460-80389-6	GW-6	D	Water	7470A	460-240787
460-80389-7	GW-2	D	Water	7470A	460-240787
Prep Batch: 460-240923					
LCSSRM 460-240923/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-240923/10-A	Method Blank	T	Solid	7471B	
460-80389-8	B-11 (0-2)	T	Solid	7471B	
460-80389-9	B-11 (25-27)	T	Solid	7471B	
460-80389-12	B-6 (0-2)	T	Solid	7471B	
460-80389-13	B-6 (25-27)	T	Solid	7471B	
460-80389-13DU	Duplicate	T	Solid	7471B	
460-80389-13MS	Matrix Spike	T	Solid	7471B	
460-80389-14	B-5 (0-2)	T	Solid	7471B	
460-80389-15	B-5 (25-27)	T	Solid	7471B	
460-80389-16	B-4 (0-2)	T	Solid	7471B	
460-80389-17	B-4 (25-27)	T	Solid	7471B	

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-240973					
LCS 460-240973/2-A	Lab Control Sample	T	Water	3010A	
MB 460-240971/1-B	Method Blank	D	Water	3010A	
460-80389-1	GW-3	D	Water	3010A	
460-80389-2	GW-1	D	Water	3010A	
460-80389-3	GW-4	D	Water	3010A	
460-80389-4	GW-4D	D	Water	3010A	
460-80389-5	GW-5	D	Water	3010A	
460-80389-6	GW-6	D	Water	3010A	
460-80389-6DU	Duplicate	D	Water	3010A	
460-80389-6MS	Matrix Spike	D	Water	3010A	
460-80389-7	GW-2	D	Water	3010A	
Analysis Batch:460-241006					
LCSSRM 460-240923/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	460-240923
MB 460-240923/10-A	Method Blank	T	Solid	7471B	460-240923
460-80389-8	B-11 (0-2)	T	Solid	7471B	460-240923
460-80389-9	B-11 (25-27)	T	Solid	7471B	460-240923
460-80389-12	B-6 (0-2)	T	Solid	7471B	460-240923
460-80389-13	B-6 (25-27)	T	Solid	7471B	460-240923
460-80389-13DU	Duplicate	T	Solid	7471B	460-240923
460-80389-13MS	Matrix Spike	T	Solid	7471B	460-240923
460-80389-14	B-5 (0-2)	T	Solid	7471B	460-240923
460-80389-15	B-5 (25-27)	T	Solid	7471B	460-240923
460-80389-16	B-4 (0-2)	T	Solid	7471B	460-240923
460-80389-17	B-4 (25-27)	T	Solid	7471B	460-240923
Analysis Batch:460-241240					
LCS 460-240973/2-A	Lab Control Sample	T	Water	6010C	460-240973
MB 460-240971/1-B	Method Blank	D	Water	6010C	460-240973
460-80389-1	GW-3	D	Water	6010C	460-240973
460-80389-2	GW-1	D	Water	6010C	460-240973
460-80389-3	GW-4	D	Water	6010C	460-240973
460-80389-4	GW-4D	D	Water	6010C	460-240973
460-80389-5	GW-5	D	Water	6010C	460-240973
460-80389-6	GW-6	D	Water	6010C	460-240973
460-80389-6DU	Duplicate	D	Water	6010C	460-240973
460-80389-6MS	Matrix Spike	D	Water	6010C	460-240973
460-80389-7	GW-2	D	Water	6010C	460-240973

Client: FPM Group Limited

Job Number: 460-80389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-241575					
460-80389-2	GW-1	D	Water	6010C	460-240973
460-80389-3	GW-4	D	Water	6010C	460-240973
460-80389-4	GW-4D	D	Water	6010C	460-240973
460-80389-5	GW-5	D	Water	6010C	460-240973
460-80389-6	GW-6	D	Water	6010C	460-240973
460-80389-6DU	Duplicate	D	Water	6010C	460-240973
460-80389-6MS	Matrix Spike	D	Water	6010C	460-240973
460-80389-7	GW-2	D	Water	6010C	460-240973

Report Basis
D = Dissolved
T = Total

General Chemistry					
Analysis Batch:460-240206					
460-80387-D-6 DU	Duplicate	T	Solid	Moisture	
460-80389-8	B-11 (0-2)	T	Solid	Moisture	
460-80389-9	B-11 (25-27)	T	Solid	Moisture	
460-80389-12	B-6 (0-2)	T	Solid	Moisture	
460-80389-13	B-6 (25-27)	T	Solid	Moisture	
460-80389-14	B-5 (0-2)	T	Solid	Moisture	
460-80389-15	B-5 (25-27)	T	Solid	Moisture	
460-80389-16	B-4 (0-2)	T	Solid	Moisture	
460-80389-17	B-4 (25-27)	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-240843/6		116	92	98	113
MB 460-240922/6		126	94	98	117
MB 460-241089/6		113	96	99	112
MB 460-241152/7		112	91	95	109
LCS 460-240843/3		106	96	105	111
LCS 460-240922/3		106	93	102	108
LCS 460-241089/3		111	99	109	116
LCS 460-241152/4		105	93	101	111
LCSD 460-240843/4		110	99	110	114
LCSD 460-240922/4		113	103	112	120
LCSD 460-241089/4		117	106	115	122
LCSD 460-241152/5		106	93	102	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-80389-8	B-11 (0-2)	130	113	111	137*
460-80389-9	B-11 (25-27)	118	102	99	119
460-80389-12	B-6 (0-2)	116	99	100	113
460-80389-13	B-6 (25-27)	123	100	96	120
460-80389-14	B-5 (0-2)	128	105	104	128
460-80389-15	B-5 (25-27)	115	97	92	117
460-80389-16	B-4 (0-2)	129	105	104	125
460-80389-17	B-4 (25-27)	121	101	95	119

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-80389-1	GW-3	115	99	109	99
460-80389-2	GW-1	115	98	109	98
460-80389-3	GW-4	109	103	105	102
460-80389-4	GW-4D	106	98	102	101
460-80389-5	GW-5	118	100	109	101
460-80389-6	GW-6	116	98	109	100
460-80389-7	GW-2	97	100	105	101
460-80389-10	RXMW-6	92	94	99	93
460-80389-11	MW-17	111	98	107	99
460-80389-18	TB0731	112	99	106	102

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-241085/6		110	98	101	105
MB 460-241211/7		101	105	104	108
LCS 460-241085/4		107	101	104	105
LCS 460-241211/4		98	100	100	104
460-80389-1 MS	GW-3 MS	110	103	106	107
460-80331-C-3 MS		97	103	98	105
460-80389-1 MSD	GW-3 MSD	110	103	106	108
460-80331-C-3 MSD		90	96	91	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	72-137

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
460-80389-8	B-11 (0-2)	104	82	74	85	79	105
460-80389-9	B-11 (25-27)	102	87	77	87	84	115
460-80389-12	B-6 (0-2)	109	89	81	91	87	115
460-80389-13	B-6 (25-27)	87	95	86	92	84	117
460-80389-14	B-5 (0-2)	98	98	79	96	79	94
460-80389-15	B-5 (25-27)	91	93	76	90	78	99
460-80389-16	B-4 (0-2)	92	99	76	94	75	74
460-80389-17	B-4 (25-27)	98	98	81	95	83	105
MB 460-240245/1-A		108	92	82	94	88	106
LCS 460-240245/2-A		97	81	68	81	72	87
LCS 460-240245/3-A		102	85	77	88	80	102
480-64613-C-24-A MS		105	90	75	86	79	96
480-64613-C-24-B MSD		103	90	74	86	76	97

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	19-114
FBP = 2-Fluorobiphenyl	49-112
2FP = 2-Fluorophenol (Surr)	39-103
NBZ = Nitrobenzene-d5 (Surr)	40-106
PHL = Phenol-d5 (Surr)	44-104
TPH = Terphenyl-d14 (Surr)	41-145

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
460-80389-1	GW-3	100	93	42	97	31	114
460-80389-2	GW-1	93	94	31	83	28	99
460-80389-3	GW-4	92	93	48	88	36	98
460-80389-4	GW-4D	76	88	46	77	34	93
460-80389-5	GW-5	94	101	34	95	28	106
460-80389-6	GW-6	96	97	34	96	31	107
460-80389-7	GW-2	91	92	32	93	26	114
MB 460-240301/1-A		99	111	52	105	36	123
LCS 460-240301/2-A		91	99	41	88	33	98
LCS 460-240301/4-A		102	110	56	109	35	114
LCSD 460-240301/3-A		91	96	46	92	33	98
LCSD 460-240301/5-A		92	99	47	95	29	108

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	51-126
FBP = 2-Fluorobiphenyl	50-120
2FP = 2-Fluorophenol (Surr)	15-96
NBZ = Nitrobenzene-d5 (Surr)	60-114
PHL = Phenol-d5 (Surr)	4-86
TPH = Terphenyl-d14 (Surr)	72-130

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-80389-8	B-11 (0-2)	98	100	98	100
460-80389-9	B-11 (25-27)	88	90	89	91
460-80389-12	B-6 (0-2)	94	98	93	97
460-80389-13	B-6 (25-27)	91	96	94	99
460-80389-14	B-5 (0-2)	94	97	95	98
460-80389-15	B-5 (25-27)	87	93	92	94
460-80389-16	B-4 (0-2)	83	89	84	85
460-80389-17	B-4 (25-27)	90	94	94	97

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	76-149
TCX = Tetrachloro-m-xylene	72-136

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MB 460-240466/1-A		86	89	82	82
MB 460-240766/1-A		98	105	101	105
LCS 460-240466/2-A		89	88	84	88
LCS 460-240766/2-A		98	101	101	110
460-80389-8 MS	B-11 (0-2) MS	91	90	87	97
460-80314-D-7-B MS		90	93	93	106
460-80389-8 MSD	B-11 (0-2) MSD	91	93	92	98
460-80314-D-7-C MSD		98	97	100	111

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	72-136
DCB = DCB Decachlorobiphenyl	76-149

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-80389-1	GW-3	95	100	75	78
460-80389-2	GW-1	91	99	59	70
460-80389-3	GW-4	81	99	33	43
460-80389-4	GW-4D	66	89	38p	59
460-80389-5	GW-5	91	108	54	63
460-80389-6	GW-6	88	100	42	51
460-80389-7	GW-2	101	108	59	67
MB 460-240508/1-A		121	123	70	69
LCS 460-240508/2-A		107	103	72	70
460-80349-A-4-C MS		107	107	82	88
460-80349-B-4-B MSD		111	110	83	112

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-147
DCB = DCB Decachlorobiphenyl	26-150

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-80389-8	B-11 (0-2)	88	87
460-80389-9	B-11 (25-27)	93	91
460-80389-12	B-6 (0-2)	89	87
460-80389-13	B-6 (25-27)	98	96
460-80389-14	B-5 (0-2)	98	96
460-80389-15	B-5 (25-27)	94	94
460-80389-16	B-4 (0-2)	99	99
460-80389-17	B-4 (25-27)	92	106
MB 460-240468/1-A		88	91
MB 460-240767/1-A		118	113
LCS 460-240468/2-A		95	97
LCS 460-240767/2-A		117	116
460-79915-D-16-F MS		98	100
460-80249-F-12-D MS		95	92
460-79915-D-16-G MSD		102	105
460-80249-F-12-E MSD		96	92

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	53-150

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-80389-1	GW-3	75	75
460-80389-2	GW-1	65p	104
460-80389-3	GW-4	32	32
460-80389-4	GW-4D	37	37
460-80389-5	GW-5	51	55
460-80389-6	GW-6	42	43
460-80389-7	GW-2	60	58
MB 460-240506/1-A		66	63
LCS 460-240506/2-A		90	88
460-80349-A-4-A MS		84	83
460-80349-B-4-A MSD		82	88

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	13-150

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240843

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240843/6	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1727	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	5.0	U	0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	8.82		1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	1.0	U	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240843

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240843/6	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1727	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	70 - 130
4-Bromofluorobenzene	92	70 - 130
Toluene-d8 (Surr)	98	70 - 130
Dibromofluoromethane (Surr)	113	70 - 130

Method Blank TICs- Batch: 460-240843

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240843

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240843/3	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3874.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1602	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240843/4	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3875.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1627	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	103	96	74 - 128	6	30		
1,1-Dichloroethane	104	99	78 - 125	6	30		
2-Butanone (MEK)	112	105	58 - 140	6	30		
1,1,1-Trichloroethane	103	101	82 - 129	2	30		
Acetone	122	112	58 - 139	8	30		
1,2-Dichloropropane	97	94	72 - 123	2	30		
Bromomethane	115	111	62 - 150	3	30		
Carbon disulfide	93	87	73 - 127	6	30		
Carbon tetrachloride	107	102	77 - 137	5	30		
1,1,2-Trichloroethane	92	93	74 - 116	2	30		
Benzene	101	100	75 - 123	1	30		
Chlorodibromomethane	105	100	74 - 124	5	30		
Bromoform	101	96	70 - 130	6	30		
Chloroethane	112	111	60 - 140	1	30		
4-Methyl-2-pentanone (MIBK)	93	91	55 - 133	2	30		
Chloroform	107	103	77 - 122	4	30		
2-Hexanone	86	84	52 - 134	2	30		
Chloromethane	110	106	48 - 144	4	30		
cis-1,2-Dichloroethene	102	99	82 - 121	3	30		
1,1,2,2-Tetrachloroethane	91	87	66 - 121	5	30		
cis-1,3-Dichloropropene	96	95	75 - 119	1	30		
Chlorobenzene	93	93	80 - 120	1	30		
Dichlorobromomethane	107	102	77 - 122	4	30		
Ethylbenzene	91	89	80 - 120	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	104	73 - 134	4	30		
Methyl tert-butyl ether	94	89	75 - 124	5	30		
Cyclohexane	100	97	66 - 128	2	30		
Methylene Chloride	101	98	75 - 124	3	30		
Ethylene Dibromide	93	90	78 - 117	3	30		
m-Xylene & p-Xylene	91	91	79 - 120	0	30		
1,3-Dichlorobenzene	92	90	78 - 120	3	30		
o-Xylene	95	93	77 - 120	1	30		
1,4-Dichlorobenzene	91	87	77 - 120	5	30		
Styrene	94	92	78 - 120	1	30		
Tetrachloroethene	97	95	80 - 127	1	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240843

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240843/3	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3874.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1602	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240843/4	Analysis Batch:	460-240843	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3875.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/05/2014 1627	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	103	97	52 - 145	7	30		
Toluene	92	91	82 - 117	1	30		
1,2,4-Trichlorobenzene	94	91	81 - 127	3	30		
1,4-Dioxane	105	109	69 - 142	4	30		
trans-1,2-Dichloroethene	103	101	83 - 124	2	30		
1,2,3-Trichlorobenzene	93	91	81 - 123	2	30		
trans-1,3-Dichloropropene	86	83	74 - 119	3	30		
Trichloroethene	105	102	78 - 122	2	30		
Chlorobromomethane	104	101	82 - 127	3	30		
Trichlorofluoromethane	116	110	63 - 147	5	30		
Isopropylbenzene	102	102	80 - 120	0	30		
Vinyl chloride	111	108	62 - 132	2	30		
1,2-Dichloroethane	107	103	79 - 120	4	30		
Methyl acetate	101	93	61 - 137	8	30		
1,2-Dichlorobenzene	94	91	77 - 120	3	30		
Methylcyclohexane	100	101	80 - 125	1	30		
1,2-Dibromo-3-Chloropropane	91	86	61 - 125	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	110	70 - 130
4-Bromofluorobenzene	96	99	70 - 130
Toluene-d8 (Surr)	105	110	70 - 130
Dibromofluoromethane (Surr)	111	114	70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240922

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240922/6	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	5.0	U	0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	5.0	U	1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	1.0	U	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240922

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-240922/6	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126	70 - 130
4-Bromofluorobenzene	94	70 - 130
Toluene-d8 (Surr)	98	70 - 130
Dibromofluoromethane (Surr)	117	70 - 130

Method Blank TICs- Batch: 460-240922

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240922

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240922/3	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3902.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0442	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240922/4	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0506	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	94	96	74 - 128	2	30		
1,1-Dichloroethane	101	102	78 - 125	2	30		
2-Butanone (MEK)	103	110	58 - 140	7	30		
1,1,1-Trichloroethane	100	102	82 - 129	2	30		
Acetone	106	114	58 - 139	7	30		
1,2-Dichloropropane	95	102	72 - 123	7	30		
Bromomethane	100	108	62 - 150	8	30		
Carbon disulfide	78	80	73 - 127	2	30		
Carbon tetrachloride	101	104	77 - 137	3	30		
1,1,2-Trichloroethane	90	97	74 - 116	8	30		
Benzene	98	100	75 - 123	2	30		
Chlorodibromomethane	92	96	74 - 124	4	30		
Bromoform	91	93	70 - 130	2	30		
Chloroethane	98	104	60 - 140	7	30		
4-Methyl-2-pentanone (MIBK)	91	95	55 - 133	4	30		
Chloroform	104	108	77 - 122	4	30		
2-Hexanone	86	90	52 - 134	5	30		
Chloromethane	94	100	48 - 144	6	30		
cis-1,2-Dichloroethene	98	101	82 - 121	2	30		
1,1,2,2-Tetrachloroethane	86	92	66 - 121	6	30		
cis-1,3-Dichloropropene	88	93	75 - 119	5	30		
Chlorobenzene	91	94	80 - 120	3	30		
Dichlorobromomethane	98	102	77 - 122	4	30		
Ethylbenzene	87	90	80 - 120	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	102	73 - 134	1	30		
Methyl tert-butyl ether	90	96	75 - 124	7	30		
Cyclohexane	95	97	66 - 128	2	30		
Methylene Chloride	96	101	75 - 124	5	30		
Ethylene Dibromide	88	93	78 - 117	5	30		
m-Xylene & p-Xylene	89	92	79 - 120	3	30		
1,3-Dichlorobenzene	91	93	78 - 120	2	30		
o-Xylene	94	96	77 - 120	3	30		
1,4-Dichlorobenzene	88	93	77 - 120	5	30		
Styrene	93	96	78 - 120	4	30		
Tetrachloroethene	90	94	80 - 127	4	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240922

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-240922/3	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3902.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0442	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240922/4	Analysis Batch:	460-240922	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 0506	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	88	92	52 - 145	4	30		
Toluene	89	91	82 - 117	2	30		
1,2,4-Trichlorobenzene	94	95	81 - 127	1	30		
1,4-Dioxane	105	119	69 - 142	13	30		
trans-1,2-Dichloroethene	97	101	83 - 124	4	30		
1,2,3-Trichlorobenzene	92	94	81 - 123	2	30		
trans-1,3-Dichloropropene	81	84	74 - 119	4	30		
Trichloroethene	101	104	78 - 122	3	30		
Chlorobromomethane	102	104	82 - 127	2	30		
Trichlorofluoromethane	98	104	63 - 147	5	30		
Isopropylbenzene	101	100	80 - 120	1	30		
Vinyl chloride	96	103	62 - 132	7	30		
1,2-Dichloroethane	105	107	79 - 120	2	30		
Methyl acetate	92	98	61 - 137	7	30		
1,2-Dichlorobenzene	92	94	77 - 120	2	30		
Methylcyclohexane	97	100	80 - 125	4	30		
1,2-Dibromo-3-Chloropropane	76	81	61 - 125	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	113	70 - 130
4-Bromofluorobenzene	93	103	70 - 130
Toluene-d8 (Surr)	102	112	70 - 130
Dibromofluoromethane (Surr)	108	120	70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241085

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241085/6	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71802.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1937	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 1937				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
2-Butanone (MEK)	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Acetone	5.0	U	2.7	5.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Bromoform	1.0	U	0.19	1.0
Chloroethane	1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Chloroform	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Chlorobenzene	1.0	U	0.11	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Ethylbenzene	1.0	U	0.10	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
o-Xylene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.15	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241085

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241085/6	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71802.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1937	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 1937				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.080	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
Methyl acetate	5.0	U	0.34	5.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Methylcyclohexane	1.0	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	70 - 130
4-Bromofluorobenzene	98	64 - 135
Toluene-d8 (Surr)	101	70 - 130
Dibromofluoromethane (Surr)	105	72 - 137

Method Blank TICs- Batch: 460-241085

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-241085

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-241085/4	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71800.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1851	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 1851				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	20.0	21.4	107	71 - 123	
1,1-Dichloroethane	20.0	19.3	97	75 - 126	
2-Butanone (MEK)	100	107	107	52 - 140	
1,1,1-Trichloroethane	20.0	19.2	96	73 - 134	
Acetone	100	123	123	26 - 150	
1,2-Dichloropropane	20.0	18.3	91	70 - 120	
Bromomethane	20.0	19.9	100	27 - 150	
Carbon disulfide	20.0	22.3	112	61 - 126	
Carbon tetrachloride	20.0	21.4	107	58 - 150	
1,1,2-Trichloroethane	20.0	20.1	101	68 - 121	
Benzene	20.0	19.8	99	69 - 125	
Chlorodibromomethane	20.0	17.9	89	63 - 131	
Bromoform	20.0	17.0	85	50 - 134	
Chloroethane	20.0	20.6	103	58 - 145	
4-Methyl-2-pentanone (MIBK)	100	95.8	96	56 - 132	
Chloroform	20.0	20.1	100	81 - 122	
2-Hexanone	100	102	102	49 - 131	
Chloromethane	20.0	20.8	104	43 - 145	
cis-1,2-Dichloroethene	20.0	18.5	92	78 - 121	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	55 - 133	
cis-1,3-Dichloropropene	20.0	19.4	97	71 - 120	
Chlorobenzene	20.0	19.6	98	77 - 120	
Dichlorobromomethane	20.0	19.9	100	72 - 123	
Ethylbenzene	20.0	19.2	96	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.3	117	60 - 144	
Methyl tert-butyl ether	20.0	18.0	90	73 - 125	
Cyclohexane	20.0	19.0	95	62 - 135	
Methylene Chloride	20.0	19.7	98	76 - 123	
Ethylene Dibromide	20.0	20.1	100	77 - 117	
m-Xylene & p-Xylene	20.0	19.2	96	78 - 119	
1,3-Dichlorobenzene	20.0	19.7	99	75 - 120	
o-Xylene	20.0	18.4	92	79 - 120	
1,4-Dichlorobenzene	20.0	19.4	97	75 - 120	
Styrene	20.0	18.8	94	76 - 120	
Tetrachloroethene	20.0	20.5	102	70 - 136	
Dichlorodifluoromethane	20.0	18.1	90	40 - 150	
Toluene	20.0	19.9	100	78 - 120	
1,2,4-Trichlorobenzene	20.0	19.3	97	76 - 129	
1,4-Dioxane	400	389	97	46 - 150	
trans-1,2-Dichloroethene	20.0	19.4	97	79 - 120	
1,2,3-Trichlorobenzene	20.0	20.8	104	72 - 135	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-241085

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-241085/4	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71800.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1851	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 1851				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	20.0	17.8	89	71 - 123	
Trichloroethene	20.0	19.2	96	74 - 120	
Chlorobromomethane	20.0	20.1	101	70 - 134	
Trichlorofluoromethane	20.0	22.4	112	65 - 142	
Isopropylbenzene	20.0	19.8	99	74 - 127	
Vinyl chloride	20.0	20.4	102	56 - 137	
1,2-Dichloroethane	20.0	20.9	104	75 - 127	
Methyl acetate	100	107	107	62 - 140	
1,2-Dichlorobenzene	20.0	19.6	98	81 - 120	
Methylcyclohexane	20.0	18.9	94	64 - 136	
1,2-Dibromo-3-Chloropropane	20.0	23.4	117	53 - 136	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 130
4-Bromofluorobenzene	101	64 - 135
Toluene-d8 (Surr)	104	70 - 130
Dibromofluoromethane (Surr)	105	72 - 137

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-241085

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-80389-1	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71813.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2352			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2352				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80389-1	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71814.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0015			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0015				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	105	103	71 - 123	3	30		
1,1-Dichloroethane	97	99	75 - 126	1	30		
2-Butanone (MEK)	98	97	52 - 140	1	30		
1,1,1-Trichloroethane	95	98	73 - 134	3	30		
Acetone	101	99	26 - 150	1	30		
1,2-Dichloropropane	91	92	70 - 120	1	30		
Bromomethane	159	154	27 - 150	3	30	*	*
Carbon disulfide	89	89	61 - 126	1	30		
Carbon tetrachloride	108	109	58 - 150	0	30		
1,1,2-Trichloroethane	104	102	68 - 121	2	30		
Benzene	98	99	69 - 125	1	30		
Chlorodibromomethane	86	86	63 - 131	0	30		
Bromoform	79	79	50 - 134	1	30		
Chloroethane	131	128	58 - 145	3	30		
4-Methyl-2-pentanone (MIBK)	98	99	56 - 132	1	30		
Chloroform	102	102	81 - 122	0	30		
2-Hexanone	105	104	49 - 131	1	30		
Chloromethane	111	113	43 - 145	2	30		
cis-1,2-Dichloroethene	91	92	78 - 121	1	30		
1,1,2,2-Tetrachloroethane	106	105	55 - 133	1	30		
cis-1,3-Dichloropropene	92	93	71 - 120	1	30		
Chlorobenzene	97	97	77 - 120	0	30		
Dichlorobromomethane	96	97	72 - 123	1	30		
Ethylbenzene	93	94	74 - 120	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	113	115	60 - 144	2	30		
Methyl tert-butyl ether	89	90	73 - 125	0	30		
Cyclohexane	92	93	62 - 135	2	30		
Methylene Chloride	97	98	76 - 123	1	30		
Ethylene Dibromide	104	102	77 - 117	2	30		
m-Xylene & p-Xylene	92	93	78 - 119	1	30		
1,3-Dichlorobenzene	93	94	75 - 120	1	30		
o-Xylene	88	90	79 - 120	2	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-241085

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-80389-1	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71813.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 2352			Final Weight/Volume:	5 mL
Prep Date:	08/06/2014 2352				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80389-1	Analysis Batch:	460-241085	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71814.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0015			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0015				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dichlorobenzene	93	94	75 - 120	2	30		
Styrene	89	90	76 - 120	1	30		
Tetrachloroethene	98	99	70 - 136	1	30		
Dichlorodifluoromethane	102	104	40 - 150	2	30		
Toluene	96	98	78 - 120	1	30		
1,2,4-Trichlorobenzene	90	91	76 - 129	2	30		
1,4-Dioxane	121	100	46 - 150	19	30		
trans-1,2-Dichloroethene	99	100	79 - 120	1	30		
1,2,3-Trichlorobenzene	94	96	72 - 135	3	30		
trans-1,3-Dichloropropene	91	94	71 - 123	4	30		
Trichloroethene	97	98	74 - 120	1	30		
Chlorobromomethane	102	104	70 - 134	1	30		
Trichlorofluoromethane	127	123	65 - 142	4	30		
Isopropylbenzene	94	95	74 - 127	1	30		
Vinyl chloride	111	111	56 - 137	0	30		
1,2-Dichloroethane	109	109	75 - 127	0	30		
Methyl acetate	101	100	62 - 140	1	30		
1,2-Dichlorobenzene	94	96	81 - 120	2	30		
Methylcyclohexane	90	91	64 - 136	1	30		
1,2-Dibromo-3-Chloropropane	125	125	53 - 136	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	110	70 - 130
4-Bromofluorobenzene	103	103	64 - 135
Toluene-d8 (Surr)	106	106	70 - 130
Dibromofluoromethane (Surr)	107	108	72 - 137

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241089

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241089/6	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3928.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1546	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	24.4		0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	11.7		1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	0.337	J	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241089

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241089/6	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3928.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1546	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	70 - 130
4-Bromofluorobenzene	96	70 - 130
Toluene-d8 (Surr)	99	70 - 130
Dibromofluoromethane (Surr)	112	70 - 130

Method Blank TICs- Batch: 460-241089

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241089

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241089/3	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1416	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241089/4	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1444	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	97	99	74 - 128	3	30		
1,1-Dichloroethane	105	107	78 - 125	1	30		
2-Butanone (MEK)	121	123	58 - 140	1	30		
1,1,1-Trichloroethane	102	107	82 - 129	4	30		
Acetone	115	121	58 - 139	5	30		
1,2-Dichloropropane	105	104	72 - 123	0	30		
Bromomethane	103	108	62 - 150	5	30		
Carbon disulfide	81	80	73 - 127	1	30		
Carbon tetrachloride	103	106	77 - 137	2	30		
1,1,2-Trichloroethane	92	98	74 - 116	6	30		
Benzene	101	104	75 - 123	3	30		
Chlorodibromomethane	97	97	74 - 124	0	30		
Bromoform	91	96	70 - 130	5	30		
Chloroethane	101	110	60 - 140	8	30		
4-Methyl-2-pentanone (MIBK)	91	96	55 - 133	5	30		
Chloroform	110	111	77 - 122	1	30		
2-Hexanone	86	91	52 - 134	5	30		
Chloromethane	98	103	48 - 144	6	30		
cis-1,2-Dichloroethene	104	103	82 - 121	1	30		
1,1,2,2-Tetrachloroethane	86	91	66 - 121	5	30		
cis-1,3-Dichloropropene	97	96	75 - 119	1	30		
Chlorobenzene	96	97	80 - 120	1	30		
Dichlorobromomethane	105	105	77 - 122	0	30		
Ethylbenzene	93	96	80 - 120	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	101	104	73 - 134	4	30		
Methyl tert-butyl ether	95	98	75 - 124	2	30		
Cyclohexane	100	103	66 - 128	3	30		
Methylene Chloride	103	104	75 - 124	1	30		
Ethylene Dibromide	91	96	78 - 117	5	30		
m-Xylene & p-Xylene	94	98	79 - 120	4	30		
1,3-Dichlorobenzene	93	94	78 - 120	1	30		
o-Xylene	98	101	77 - 120	2	30		
1,4-Dichlorobenzene	90	94	77 - 120	4	30		
Styrene	100	102	78 - 120	2	30		
Tetrachloroethene	95	98	80 - 127	3	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241089

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241089/3	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1416	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241089/4	Analysis Batch:	460-241089	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/06/2014 1444	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	87	95	52 - 145	8	30		
Toluene	93	97	82 - 117	4	30		
1,2,4-Trichlorobenzene	97	102	81 - 127	5	30		
1,4-Dioxane	108	104	69 - 142	4	30		
trans-1,2-Dichloroethene	101	105	83 - 124	4	30		
1,2,3-Trichlorobenzene	94	97	81 - 123	3	30		
trans-1,3-Dichloropropene	84	88	74 - 119	5	30		
Trichloroethene	106	108	78 - 122	2	30		
Chlorobromomethane	108	105	82 - 127	3	30		
Trichlorofluoromethane	100	106	63 - 147	6	30		
Isopropylbenzene	103	108	80 - 120	5	30		
Vinyl chloride	96	105	62 - 132	9	30		
1,2-Dichloroethane	108	111	79 - 120	3	30		
Methyl acetate	94	99	61 - 137	5	30		
1,2-Dichlorobenzene	93	97	77 - 120	4	30		
Methylcyclohexane	102	105	80 - 125	3	30		
1,2-Dibromo-3-Chloropropane	74	85	61 - 125	13	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	117	70 - 130
4-Bromofluorobenzene	99	106	70 - 130
Toluene-d8 (Surr)	109	115	70 - 130
Dibromofluoromethane (Surr)	116	122	70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241152

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241152/7	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3956.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0635	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	5.0	U	0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	6.06		1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	0.319	J	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241152

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241152/7	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3956.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0635	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	70 - 130
4-Bromofluorobenzene	91	70 - 130
Toluene-d8 (Surr)	95	70 - 130
Dibromofluoromethane (Surr)	109	70 - 130

Method Blank TICs- Batch: 460-241152

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241152

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241152/4	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3953.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241152/5	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3954.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0536	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	89	95	74 - 128	6	30		
1,1-Dichloroethane	96	97	78 - 125	1	30		
2-Butanone (MEK)	96	92	58 - 140	5	30		
1,1,1-Trichloroethane	94	95	82 - 129	1	30		
Acetone	100	101	58 - 139	1	30		
1,2-Dichloropropane	93	91	72 - 123	1	30		
Bromomethane	95	106	62 - 150	11	30		
Carbon disulfide	73	78	73 - 127	6	30		
Carbon tetrachloride	96	97	77 - 137	1	30		
1,1,2-Trichloroethane	86	82	74 - 116	6	30		
Benzene	91	92	75 - 123	1	30		
Chlorodibromomethane	86	87	74 - 124	1	30		
Bromoform	88	87	70 - 130	1	30		
Chloroethane	95	103	60 - 140	8	30		
4-Methyl-2-pentanone (MIBK)	87	87	55 - 133	0	30		
Chloroform	99	99	77 - 122	0	30		
2-Hexanone	83	83	52 - 134	0	30		
Chloromethane	86	98	48 - 144	13	30		
cis-1,2-Dichloroethene	93	95	82 - 121	2	30		
1,1,2,2-Tetrachloroethane	80	80	66 - 121	0	30		
cis-1,3-Dichloropropene	86	86	75 - 119	0	30		
Chlorobenzene	86	84	80 - 120	3	30		
Dichlorobromomethane	93	88	77 - 122	5	30		
Ethylbenzene	82	82	80 - 120	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	97	73 - 134	5	30		
Methyl tert-butyl ether	88	92	75 - 124	4	30		
Cyclohexane	90	93	66 - 128	4	30		
Methylene Chloride	93	95	75 - 124	3	30		
Ethylene Dibromide	85	86	78 - 117	1	30		
m-Xylene & p-Xylene	84	83	79 - 120	1	30		
1,3-Dichlorobenzene	84	83	78 - 120	1	30		
o-Xylene	89	87	77 - 120	1	30		
1,4-Dichlorobenzene	82	82	77 - 120	1	30		
Styrene	88	87	78 - 120	1	30		
Tetrachloroethene	86	86	80 - 127	1	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241152

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241152/4	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3953.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0426	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241152/5	Analysis Batch:	460-241152	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D3954.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0536	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	79	91	52 - 145	14	30		
Toluene	83	83	82 - 117	0	30		
1,2,4-Trichlorobenzene	84	87	81 - 127	3	30		
1,4-Dioxane	105	97	69 - 142	8	30		
trans-1,2-Dichloroethene	92	95	83 - 124	3	30		
1,2,3-Trichlorobenzene	83	84	81 - 123	1	30		
trans-1,3-Dichloropropene	77	78	74 - 119	1	30		
Trichloroethene	94	96	78 - 122	2	30		
Chlorobromomethane	96	94	82 - 127	2	30		
Trichlorofluoromethane	92	102	63 - 147	10	30		
Isopropylbenzene	93	92	80 - 120	1	30		
Vinyl chloride	90	103	62 - 132	13	30		
1,2-Dichloroethane	101	99	79 - 120	2	30		
Methyl acetate	89	94	61 - 137	6	30		
1,2-Dichlorobenzene	84	84	77 - 120	1	30		
Methylcyclohexane	91	93	80 - 125	2	30		
1,2-Dibromo-3-Chloropropane	74	73	61 - 125	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	106	70 - 130
4-Bromofluorobenzene	93	93	70 - 130
Toluene-d8 (Surr)	101	102	70 - 130
Dibromofluoromethane (Surr)	111	111	70 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241211

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241211/7	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0907	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0907				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
2-Butanone (MEK)	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Acetone	5.0	U	2.7	5.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Bromoform	1.0	U	0.19	1.0
Chloroethane	1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Chloroform	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Chlorobenzene	1.0	U	0.11	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Ethylbenzene	1.0	U	0.10	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
o-Xylene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.15	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-241211

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241211/7	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06806.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0907	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0907				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.080	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
Methyl acetate	5.0	U	0.34	5.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Methylcyclohexane	1.0	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 130
4-Bromofluorobenzene	105	64 - 135
Toluene-d8 (Surr)	104	70 - 130
Dibromofluoromethane (Surr)	108	72 - 137

Method Blank TICs- Batch: 460-241211

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-241211

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-241211/4	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0753	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0753				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	20.0	18.1	91	71 - 123	
1,1-Dichloroethane	20.0	19.6	98	75 - 126	
2-Butanone (MEK)	100	103	103	52 - 140	
1,1,1-Trichloroethane	20.0	19.5	98	73 - 134	
Acetone	100	106	106	26 - 150	
1,2-Dichloropropane	20.0	19.0	95	70 - 120	
Bromomethane	20.0	17.2	86	27 - 150	
Carbon disulfide	20.0	17.5	88	61 - 126	
Carbon tetrachloride	20.0	22.5	113	58 - 150	
1,1,2-Trichloroethane	20.0	18.4	92	68 - 121	
Benzene	20.0	18.1	91	69 - 125	
Chlorodibromomethane	20.0	19.6	98	63 - 131	
Bromoform	20.0	21.1	105	50 - 134	
Chloroethane	20.0	19.9	99	58 - 145	
4-Methyl-2-pentanone (MIBK)	100	91.8	92	56 - 132	
Chloroform	20.0	18.9	94	81 - 122	
2-Hexanone	100	87.4	87	49 - 131	
Chloromethane	20.0	16.5	82	43 - 145	
cis-1,2-Dichloroethene	20.0	18.7	93	78 - 121	
1,1,2,2-Tetrachloroethane	20.0	17.0	85	55 - 133	
cis-1,3-Dichloropropene	20.0	18.5	93	71 - 120	
Chlorobenzene	20.0	19.4	97	77 - 120	
Dichlorobromomethane	20.0	18.7	94	72 - 123	
Ethylbenzene	20.0	19.4	97	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.0	105	60 - 144	
Methyl tert-butyl ether	20.0	18.7	93	73 - 125	
Cyclohexane	20.0	21.3	106	62 - 135	
Methylene Chloride	20.0	18.2	91	76 - 123	
Ethylene Dibromide	20.0	18.1	91	77 - 117	
m-Xylene & p-Xylene	20.0	19.7	99	78 - 119	
1,3-Dichlorobenzene	20.0	19.0	95	75 - 120	
o-Xylene	20.0	19.9	99	79 - 120	
1,4-Dichlorobenzene	20.0	18.7	94	75 - 120	
Styrene	20.0	18.9	94	76 - 120	
Tetrachloroethene	20.0	22.3	112	70 - 136	
Dichlorodifluoromethane	20.0	16.9	85	40 - 150	
Toluene	20.0	18.4	92	78 - 120	
1,2,4-Trichlorobenzene	20.0	21.6	108	76 - 129	
1,4-Dioxane	400	450	113	46 - 150	
trans-1,2-Dichloroethene	20.0	19.8	99	79 - 120	
1,2,3-Trichlorobenzene	20.0	22.7	114	72 - 135	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-241211

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-241211/4	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 0753	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 0753				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	20.0	19.1	95	71 - 123	
Trichloroethene	20.0	19.5	98	74 - 120	
Chlorobromomethane	20.0	20.7	104	70 - 134	
Trichlorofluoromethane	20.0	19.1	95	65 - 142	
Isopropylbenzene	20.0	20.9	104	74 - 127	
Vinyl chloride	20.0	17.5	88	56 - 137	
1,2-Dichloroethane	20.0	19.7	99	75 - 127	
Methyl acetate	100	79.9	80	62 - 140	
1,2-Dichlorobenzene	20.0	18.4	92	81 - 120	
Methylcyclohexane	20.0	23.1	115	64 - 136	
1,2-Dibromo-3-Chloropropane	20.0	19.2	96	53 - 136	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 130
4-Bromofluorobenzene	100	64 - 135
Toluene-d8 (Surr)	100	70 - 130
Dibromofluoromethane (Surr)	104	72 - 137

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-241211

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-80331-C-3 MS	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06823.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1521			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1521				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80331-C-3 MSD	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06824.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1541			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1541				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	96	90	71 - 123	6	30		
1,1-Dichloroethane	98	91	75 - 126	8	30		
2-Butanone (MEK)	92	94	52 - 140	3	30		
1,1,1-Trichloroethane	98	93	73 - 134	5	30		
Acetone	125	123	26 - 150	2	30		
1,2-Dichloropropane	97	90	70 - 120	8	30		
Bromomethane	87	81	27 - 150	7	30		
Carbon disulfide	87	86	61 - 126	1	30		
Carbon tetrachloride	107	101	58 - 150	6	30		
1,1,2-Trichloroethane	91	84	68 - 121	7	30		
Benzene	87	80	69 - 125	7	30		
Chlorodibromomethane	81	77	63 - 131	6	30		
Bromoform	74	73	50 - 134	2	30		
Chloroethane	118	84	58 - 145	9	30		
4-Methyl-2-pentanone (MIBK)	94	86	56 - 132	9	30		
Chloroform	94	88	81 - 122	6	30		
2-Hexanone	92	85	49 - 131	7	30		
Chloromethane	82	79	43 - 145	4	30		
cis-1,2-Dichloroethene	91	86	78 - 121	5	30		
1,1,2,2-Tetrachloroethane	83	80	55 - 133	4	30		
cis-1,3-Dichloropropene	88	82	71 - 120	8	30		
Chlorobenzene	160	56	77 - 120	7	30	*	*
Dichlorobromomethane	89	82	72 - 123	8	30		
Ethylbenzene	98	94	74 - 120	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	105	102	60 - 144	4	30		
Methyl tert-butyl ether	95	88	73 - 125	8	30		
Cyclohexane	108	102	62 - 135	6	30		
Methylene Chloride	94	86	76 - 123	9	30		
Ethylene Dibromide	95	90	77 - 117	5	30		
m-Xylene & p-Xylene	102	96	78 - 119	6	30		
1,3-Dichlorobenzene	94	86	75 - 120	9	30		
o-Xylene	99	94	79 - 120	5	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-241211

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-80331-C-3 MS	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06823.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1521			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1521				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-80331-C-3 MSD	Analysis Batch:	460-241211	Instrument ID:	CVOAMS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A06824.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1541			Final Weight/Volume:	5 mL
Prep Date:	08/07/2014 1541				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dichlorobenzene	96	85	75 - 120	11	30		
Styrene	96	90	76 - 120	6	30		
Tetrachloroethene	108	102	70 - 136	6	30		
Dichlorodifluoromethane	82	78	40 - 150	5	30		
Toluene	89	83	78 - 120	7	30		
1,2,4-Trichlorobenzene	94	91	76 - 129	3	30		
1,4-Dioxane	109	129	46 - 150	12	30		
trans-1,2-Dichloroethene	98	91	79 - 120	7	30		
1,2,3-Trichlorobenzene	95	101	72 - 135	6	30		
trans-1,3-Dichloropropene	94	87	71 - 123	8	30		
Trichloroethene	100	93	74 - 120	7	30		
Chlorobromomethane	101	96	70 - 134	5	30		
Trichlorofluoromethane	97	88	65 - 142	9	30		
Isopropylbenzene	101	96	74 - 127	6	30		
Vinyl chloride	89	83	56 - 137	7	30		
1,2-Dichloroethane	99	91	75 - 127	9	30		
Methyl acetate	82	82	62 - 140	0	30		
1,2-Dichlorobenzene	92	84	81 - 120	9	30		
Methylcyclohexane	115	107	64 - 136	7	30		
1,2-Dibromo-3-Chloropropane	87	85	53 - 136	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	90	70 - 130
4-Bromofluorobenzene	103	96	64 - 135
Toluene-d8 (Surr)	98	91	70 - 130
Dibromofluoromethane (Surr)	105	97	72 - 137

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240245/1-A	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3402.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/04/2014 0404	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	44	330
1,2,4,5-Tetrachlorobenzene	330	U	44	330
2,2'-oxybis[1-chloropropane]	330	U	37	330
2,3,4,6-Tetrachlorophenol	330	U	43	330
2,4,5-Trichlorophenol	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
2,4-Dichlorophenol	330	U	48	330
2,4-Dimethylphenol	330	U	81	330
2,4-Dinitrophenol	670	U	190	670
2,4-Dinitrotoluene	67	U	11	67
2,6-Dinitrotoluene	67	U	10	67
2-Chloronaphthalene	330	U	37	330
2-Chlorophenol	330	U	43	330
2-Methylnaphthalene	330	U	42	330
2-Methylphenol	330	U	56	330
2-Nitroaniline	330	U	140	330
2-Nitrophenol	330	U	37	330
3,3'-Dichlorobenzidine	330	U	120	330
3-Nitroaniline	330	U	120	330
4,6-Dinitro-2-methylphenol	670	U	90	670
4-Bromophenyl phenyl ether	330	U	33	330
4-Chloro-3-methylphenol	330	U	50	330
4-Chloroaniline	330	U	87	330
4-Chlorophenyl phenyl ether	330	U	39	330
4-Methylphenol	330	U	65	330
4-Nitroaniline	670	U	100	670
4-Nitrophenol	330	U	210	330
Acenaphthene	330	U	48	330
Acenaphthylene	330	U	39	330
Acetophenone	330	U	51	330
Anthracene	330	U	40	330
Atrazine	330	U	51	330
Benzaldehyde	330	U	39	330
Benzo[a]anthracene	33	U	2.3	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[g,h,i]perylene	330	U	24	330
Benzo[k]fluoranthene	33	U	2.5	33
Bis(2-chloroethoxy)methane	330	U	43	330
Bis(2-chloroethyl)ether	33	U	4.5	33
Bis(2-ethylhexyl) phthalate	330	U	110	330
Butyl benzyl phthalate	330	U	30	330
Caprolactam	330	U	76	330
Carbazole	330	U	39	330
Chrysene	330	U	39	330

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240245/1-A	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3402.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/04/2014 0404	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	4.2	33
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Dimethyl phthalate	330	U	39	330
Di-n-butyl phthalate	330	U	41	330
Di-n-octyl phthalate	330	U	21	330
Fluoranthene	330	U	44	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
Hexachlorobutadiene	67	U	8.1	67
Hexachlorocyclopentadiene	330	U	39	330
Hexachloroethane	33	U	3.7	33
Indeno[1,2,3-cd]pyrene	33	U	6.1	33
Isophorone	330	U	40	330
Naphthalene	330	U	38	330
Nitrobenzene	33	U	4.7	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	670	U	99	670
Phenanthrene	330	U	42	330
Phenol	330	U	44	330
Pyrene	330	U	28	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	108	19 - 114
2-Fluorobiphenyl	92	49 - 112
2-Fluorophenol (Surr)	82	39 - 103
Nitrobenzene-d5 (Surr)	94	40 - 106
Phenol-d5 (Surr)	88	44 - 104
Terphenyl-d14 (Surr)	106	41 - 145

Method Blank TICs- Batch: 460-240245

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Aldol condensation product	2.45	10500	J A
	Aldol condensation product	3.02	301	J A

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240245/3-A	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 0451	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	6670	5420	81	10 - 139	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102	19 - 114
2-Fluorobiphenyl	85	49 - 112
2-Fluorophenol (Surr)	77	39 - 103
Nitrobenzene-d5 (Surr)	88	40 - 106
Phenol-d5 (Surr)	80	44 - 104
Terphenyl-d14 (Surr)	102	41 - 145

Lab Control Sample - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240245/2-A	Analysis Batch:	460-240573	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2014 1400	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2570	77	10 - 134	
1,2,4,5-Tetrachlorobenzene	3330	2540	76	45 - 95	
2,2'-oxybis[1-chloropropane]	3330	2200	66	31 - 101	
2,3,4,6-Tetrachlorophenol	3330	3010	90	49 - 104	
2,4,5-Trichlorophenol	3330	2550	77	49 - 96	
2,4,6-Trichlorophenol	3330	2570	77	49 - 96	
2,4-Dichlorophenol	3330	2430	73	50 - 100	
2,4-Dimethylphenol	3330	2440	73	46 - 95	
2,4-Dinitrophenol	6660	6390	96	10 - 139	
2,4-Dinitrotoluene	3330	3160	95	49 - 102	
2,6-Dinitrotoluene	3330	2940	88	52 - 104	
2-Chloronaphthalene	3330	2520	76	49 - 93	
2-Chlorophenol	3330	2230	67	49 - 96	
2-Methylnaphthalene	3330	2650	79	52 - 100	
2-Methylphenol	3330	2410	72	47 - 99	
2-Nitroaniline	3330	2630	79	35 - 92	
2-Nitrophenol	3330	2560	77	51 - 98	
3,3'-Dichlorobenzidine	3330	2300	69	9 - 89	
3-Nitroaniline	3330	2130	64	19 - 90	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240245/2-A	Analysis Batch:	460-240573	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2014 1400	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,6-Dinitro-2-methylphenol	6660	5880	88	14 - 128	
4-Bromophenyl phenyl ether	3330	2620	79	50 - 103	
4-Chloro-3-methylphenol	3330	2730	82	50 - 102	
4-Chloroaniline	3330	1780	54	10 - 86	
4-Chlorophenyl phenyl ether	3330	2850	86	49 - 95	
4-Methylphenol	3330	2410	72	43 - 100	
4-Nitroaniline	3330	3020	91	33 - 102	
4-Nitrophenol	6660	7480	112	34 - 112	
Acenaphthene	3330	2700	81	48 - 99	
Acenaphthylene	3330	2600	78	49 - 97	
Acetophenone	3330	2420	73	10 - 126	
Anthracene	3330	2730	82	51 - 97	
Atrazine	3330	1370	41	10 - 147	
Benzo[a]anthracene	3330	2750	83	51 - 97	
Benzo[a]pyrene	3330	2900	87	59 - 116	
Benzo[b]fluoranthene	3330	3070	92	55 - 115	
Benzo[g,h,i]perylene	3330	2640	79	46 - 120	
Benzo[k]fluoranthene	3330	3010	90	53 - 113	
Bis(2-chloroethoxy)methane	3330	2540	76	48 - 95	
Bis(2-chloroethyl)ether	3330	2380	71	45 - 92	
Bis(2-ethylhexyl) phthalate	3330	2900	87	47 - 102	
Butyl benzyl phthalate	3330	2750	83	47 - 107	
Caprolactam	3330	2760	83	10 - 120	
Carbazole	3330	2850	86	50 - 102	
Chrysene	3330	2610	78	50 - 94	
Dibenz(a,h)anthracene	3330	2960	89	48 - 115	
Dibenzofuran	3330	2690	81	50 - 96	
Diethyl phthalate	3330	3050	92	46 - 100	
Dimethyl phthalate	3330	2900	87	51 - 99	
Di-n-butyl phthalate	3330	3030	91	50 - 99	
Di-n-octyl phthalate	3330	3100	93	43 - 120	
Fluoranthene	3330	3050	92	45 - 101	
Fluorene	3330	2910	88	50 - 95	
Hexachlorobenzene	3330	2810	84	50 - 104	
Hexachlorobutadiene	3330	2560	77	49 - 97	
Hexachlorocyclopentadiene	3330	1820	55	43 - 115	
Hexachloroethane	3330	2370	71	47 - 88	
Indeno[1,2,3-cd]pyrene	3330	2860	86	47 - 124	
Isophorone	3330	2380	72	51 - 100	
Naphthalene	3330	2620	79	48 - 92	
Nitrobenzene	3330	2520	76	33 - 72	*

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240245

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240245/2-A	Analysis Batch:	460-240573	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2014 1400	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodi-n-propylamine	3330	2570	77	49 - 99	
N-Nitrosodiphenylamine	3330	2940	88	51 - 103	
Pentachlorophenol	6660	5600	84	37 - 99	
Phenanthrene	3330	2720	82	51 - 97	
Phenol	3330	2210	66	46 - 97	
Pyrene	3330	2490	75	39 - 119	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	97	19 - 114
2-Fluorobiphenyl	81	49 - 112
2-Fluorophenol (Surr)	68	39 - 103
Nitrobenzene-d5 (Surr)	81	40 - 106
Phenol-d5 (Surr)	72	44 - 104
Terphenyl-d14 (Surr)	87	41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240245

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64613-C-24-A MS	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 0514			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64613-C-24-B MSD	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.99 g
Analysis Date:	08/04/2014 0537			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	84	87	10 - 134	3	30		
1,2,4,5-Tetrachlorobenzene	86	89	45 - 95	4	30		
2,2'-oxybis[1-chloropropane]	68	68	31 - 101	1	30		
2,3,4,6-Tetrachlorophenol	96	97	49 - 104	1	30		
2,4,5-Trichlorophenol	86	86	49 - 96	0	30		
2,4,6-Trichlorophenol	87	89	49 - 96	2	30		
2,4-Dichlorophenol	78	80	50 - 100	3	30		
2,4-Dimethylphenol	78	80	46 - 95	2	30		
2,4-Dinitrophenol	105	110	10 - 139	4	30		
2,4-Dinitrotoluene	96	98	49 - 102	2	30		
2,6-Dinitrotoluene	92	95	52 - 104	3	30		
2-Chloronaphthalene	82	85	49 - 93	4	30		
2-Chlorophenol	72	72	49 - 96	1	30		
2-Methylnaphthalene	84	85	52 - 100	2	30		
2-Methylphenol	75	76	47 - 99	1	30		
2-Nitroaniline	80	86	35 - 92	8	30		
2-Nitrophenol	83	85	51 - 98	3	30		
3,3'-Dichlorobenzidine	71	75	9 - 89	6	30		
3-Nitroaniline	61	62	19 - 90	1	30		
4,6-Dinitro-2-methylphenol	100	104	14 - 128	5	30		
4-Bromophenyl phenyl ether	93	94	50 - 103	1	30		
4-Chloro-3-methylphenol	85	86	50 - 102	2	30		
4-Chloroaniline	48	49	10 - 86	2	30		
4-Chlorophenyl phenyl ether	91	92	49 - 95	2	30		
4-Methylphenol	73	73	43 - 100	0	30		
4-Nitroaniline	82	86	33 - 102	4	30		
4-Nitrophenol	95	98	34 - 112	3	30		
Acenaphthene	85	88	48 - 99	4	30		
Acenaphthylene	83	85	49 - 97	2	30		
Acetophenone	77	77	10 - 126	1	30		
Anthracene	87	90	51 - 97	4	30		
Atrazine	43	45	10 - 147	4	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240245

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64613-C-24-A MS	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 0514			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64613-C-24-B MSD	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.99 g
Analysis Date:	08/04/2014 0537			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	64	64	10 - 139	0	30	E	E
Benzo[a]anthracene	87	91	51 - 97	4	30		
Benzo[a]pyrene	93	97	59 - 116	4	30		
Benzo[b]fluoranthene	102	101	55 - 115	1	30		
Benzo[g,h,i]perylene	99	102	46 - 120	4	30		
Benzo[k]fluoranthene	90	99	53 - 113	9	30		
Bis(2-chloroethoxy)methane	83	85	48 - 95	3	30		
Bis(2-chloroethyl)ether	78	79	45 - 92	1	30		
Bis(2-ethylhexyl) phthalate	92	100	47 - 102	8	30		
Butyl benzyl phthalate	89	91	47 - 107	3	30		
Caprolactam	92	103	10 - 120	11	30		
Carbazole	88	90	50 - 102	3	30		
Chrysene	84	86	50 - 94	2	30		
Dibenz(a,h)anthracene	108	112	48 - 115	4	30		
Dibenzofuran	85	87	50 - 96	2	30		
Diethyl phthalate	92	95	46 - 100	3	30		
Dimethyl phthalate	90	93	51 - 99	3	30		
Di-n-butyl phthalate	94	97	50 - 99	3	30		
Di-n-octyl phthalate	92	95	43 - 120	4	30		
Fluoranthene	91	95	45 - 101	4	30		
Fluorene	90	92	50 - 95	2	30		
Hexachlorobenzene	98	99	50 - 104	1	30		
Hexachlorobutadiene	85	87	49 - 97	3	30		
Hexachlorocyclopentadiene	67	69	43 - 115	4	30		
Hexachloroethane	76	78	47 - 88	3	30		
Indeno[1,2,3-cd]pyrene	125	130	47 - 124	4	30	E *	E *
Isophorone	76	77	51 - 100	3	30		
Naphthalene	83	85	48 - 92	3	30		
Nitrobenzene	80	83	33 - 72	4	30	*	*
N-Nitrosodi-n-propylamine	82	82	49 - 99	1	30		
N-Nitrosodiphenylamine	103	106	51 - 103	3	30		*
Pentachlorophenol	88	90	37 - 99	2	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240245

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64613-C-24-A MS	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3405.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/04/2014 0514			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64613-C-24-B MSD	Analysis Batch:	460-240443	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240245	Lab File ID:	x3406.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.99 g
Analysis Date:	08/04/2014 0537			Final Weight/Volume:	0.5 mL
Prep Date:	08/01/2014 2102			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	90	91	51 - 97	2	30		
Phenol	70	69	46 - 97	2	30		
Pyrene	82	83	39 - 119	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	105	103	19 - 114
2-Fluorobiphenyl	90	90	49 - 112
2-Fluorophenol (Surr)	75	74	39 - 103
Nitrobenzene-d5 (Surr)	86	86	40 - 106
Phenol-d5 (Surr)	79	76	44 - 104
Terphenyl-d14 (Surr)	96	97	41 - 145

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240301

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 460-240301/1-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83611.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0102	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	10	U	1.8	10
1,2,4,5-Tetrachlorobenzene	10	U	1.8	10
2,2'-oxybis[1-chloropropane]	10	U	1.3	10
2,3,4,6-Tetrachlorophenol	10	U	0.89	10
2,4,5-Trichlorophenol	10	U	2.2	10
2,4,6-Trichlorophenol	10	U	1.4	10
2,4-Dichlorophenol	10	U	1.1	10
2,4-Dimethylphenol	10	U	1.2	10
2,4-Dinitrophenol	30	U	2.0	30
2,4-Dinitrotoluene	2.0	U	0.28	2.0
2,6-Dinitrotoluene	2.0	U	0.27	2.0
2-Chloronaphthalene	10	U	1.3	10
2-Chlorophenol	10	U	0.93	10
2-Methylnaphthalene	10	U	1.5	10
2-Methylphenol	10	U	1.4	10
2-Nitroaniline	20	U	2.0	20
2-Nitrophenol	10	U	0.68	10
3,3'-Dichlorobenzidine	20	U	3.2	20
3-Nitroaniline	20	U	2.9	20
4,6-Dinitro-2-methylphenol	30	U	3.0	30
4-Bromophenyl phenyl ether	10	U	1.1	10
4-Chloro-3-methylphenol	10	U	1.1	10
4-Chloroaniline	1.0	U	0.32	1.0
4-Chlorophenyl phenyl ether	10	U	1.5	10
4-Methylphenol	10	U	1.0	10
4-Nitroaniline	20	U	2.9	20
4-Nitrophenol	30	U	2.0	30
Acenaphthene	10	U	1.1	10
Acenaphthylene	10	U	1.8	10
Acetophenone	10	U	0.89	10
Anthracene	10	U	0.85	10
Atrazine	10	U	1.0	10
Benzaldehyde	10	U	2.1	10
Benzo[a]anthracene	1.0	U	0.18	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[g,h,i]perylene	10	U	0.93	10
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Bis(2-chloroethoxy)methane	10	U	1.0	10
Bis(2-chloroethyl)ether	1.0	U	0.30	1.0
Bis(2-ethylhexyl) phthalate	10	U	0.81	10
Butyl benzyl phthalate	10	U	1.4	10
Caprolactam	10	U	0.91	10
Carbazole	10	U	1.2	10
Chrysene	10	U	1.4	10

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240301

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 460-240301/1-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83611.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0102	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Dibenzofuran	10	U	1.5	10
Diethyl phthalate	10	U	1.4	10
Dimethyl phthalate	10	U	1.1	10
Di-n-butyl phthalate	10	U	1.0	10
Di-n-octyl phthalate	10	U	0.88	10
Fluoranthene	10	U	1.1	10
Fluorene	10	U	1.7	10
Hexachlorobenzene	1.0	U	0.20	1.0
Hexachlorobutadiene	2.0	U	0.68	2.0
Hexachlorocyclopentadiene	10	U	1.5	10
Hexachloroethane	1.0	U	0.15	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Isophorone	10	U	1.3	10
Naphthalene	10	U	2.0	10
Nitrobenzene	1.0	U	0.34	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	1.0	10
Pentachlorophenol	30	U	2.7	30
Phenanthrene	10	U	1.2	10
Phenol	10	U	0.60	10
Pyrene	10	U	1.1	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	99	51 - 126
2-Fluorobiphenyl	111	50 - 120
2-Fluorophenol (Surr)	52	15 - 96
Nitrobenzene-d5 (Surr)	105	60 - 114
Phenol-d5 (Surr)	36	4 - 86
Terphenyl-d14 (Surr)	123	72 - 130

Method Blank TICs- Batch: 460-240301

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
	Unknown	6.43	7.57	J

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240301

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-240301/2-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0123	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240301/3-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83613.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0145	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	95	103	66 - 112	8	30		
1,2,4,5-Tetrachlorobenzene	89	93	70 - 130	4	30		
2,2'-oxybis[1-chloropropane]	85	92	68 - 107	8	30		
2,3,4,6-Tetrachlorophenol	106	96	70 - 130	9	30		
2,4,5-Trichlorophenol	104	107	67 - 114	2	30		
2,4,6-Trichlorophenol	101	98	67 - 111	3	30		
2,4-Dichlorophenol	89	93	64 - 107	5	30		
2,4-Dimethylphenol	90	92	55 - 100	2	30		
2,4-Dinitrophenol	95	100	19 - 113	6	30		
2,4-Dinitrotoluene	96	100	65 - 113	4	30		
2,6-Dinitrotoluene	108	102	68 - 114	6	30		
2-Chloronaphthalene	94	95	65 - 107	1	30		
2-Chlorophenol	73	79	53 - 101	7	30		
2-Methylnaphthalene	87	89	66 - 102	2	30		
2-Methylphenol	74	71	40 - 90	4	30		
2-Nitroaniline	103	99	73 - 116	4	30		
2-Nitrophenol	88	100	65 - 107	12	30		
3,3'-Dichlorobenzidine	100	73	69 - 129	32	30		*
3-Nitroaniline	94	85	59 - 108	11	30		
4,6-Dinitro-2-methylphenol	97	100	58 - 115	4	30		
4-Bromophenyl phenyl ether	106	102	66 - 110	4	30		
4-Chloro-3-methylphenol	92	94	57 - 106	2	30		
4-Chloroaniline	91	65	58 - 105	34	30		*
4-Chlorophenyl phenyl ether	98	95	68 - 105	4	30		
4-Methylphenol	66	68	30 - 75	3	30		
4-Nitroaniline	92	84	49 - 119	9	30		
4-Nitrophenol	38	37	10 - 44	4	30		
Acenaphthene	98	99	66 - 108	1	30		
Acenaphthylene	99	96	67 - 107	2	30		
Acetophenone	96	95	68 - 109	1	30		
Anthracene	103	100	68 - 108	3	30		
Atrazine	78	77	56 - 116	2	30		
Benzo[a]anthracene	96	97	65 - 106	2	30		
Benzo[a]pyrene	118	110	58 - 101	7	30	*	*
Benzo[b]fluoranthene	108	110	65 - 111	2	30		

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240301

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-240301/2-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0123	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240301/3-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83613.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0145	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzo[g,h,i]perylene	115	114	65 - 134	1	30		
Benzo[k]fluoranthene	112	107	66 - 114	4	30		
Bis(2-chloroethoxy)methane	99	101	69 - 108	2	30		
Bis(2-chloroethyl)ether	86	91	62 - 108	6	30		
Bis(2-ethylhexyl) phthalate	103	108	66 - 114	5	30		
Butyl benzyl phthalate	105	106	66 - 115	0	30		
Caprolactam	29	25	10 - 30	17	30		
Carbazole	104	105	67 - 110	1	30		
Chrysene	98	100	68 - 112	2	30		
Dibenz(a,h)anthracene	124	123	67 - 124	0	30		
Dibenzofuran	97	95	68 - 105	2	30		
Diethyl phthalate	97	93	66 - 109	3	30		
Dimethyl phthalate	100	99	69 - 111	2	30		
Di-n-butyl phthalate	106	99	68 - 111	6	30		
Di-n-octyl phthalate	111	109	51 - 115	1	30		
Fluoranthene	100	95	68 - 108	5	30		
Fluorene	107	99	68 - 105	7	30	*	
Hexachlorobenzene	104	99	65 - 107	5	30		
Hexachlorobutadiene	72	86	52 - 99	17	30		
Hexachlorocyclopentadiene	76	84	40 - 105	9	30		
Hexachloroethane	66	74	50 - 99	12	30		
Indeno[1,2,3-cd]pyrene	111	112	68 - 121	2	30		
Isophorone	91	93	68 - 108	2	30		
Naphthalene	84	97	63 - 101	14	30		
Nitrobenzene	88	96	66 - 106	8	30		
N-Nitrosodi-n-propylamine	97	91	70 - 109	7	30		
N-Nitrosodiphenylamine	110	105	71 - 121	5	30		
Pentachlorophenol	96	100	55 - 116	4	30		
Phenanthrene	104	101	68 - 110	3	30		
Phenol	37	37	12 - 44	0	30		
Pyrene	99	103	61 - 110	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91	91	51 - 126
2-Fluorobiphenyl	99	96	50 - 120
2-Fluorophenol (Surr)	41	46	15 - 96

Client: FPM Group Limited

Job Number: 460-80389-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5 (Surr)	88	92	60 - 114
Phenol-d5 (Surr)	33	33	4 - 86
Terphenyl-d14 (Surr)	98	98	72 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-240301

Method: 8270D
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-240301/4-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0206	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-240301/5-A	Analysis Batch:	460-240456	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-240301	Lab File ID:	M83615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/04/2014 0227	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/02/2014 1032			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzaldehyde	132	113	52 - 150	16	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102	92	51 - 126
2-Fluorobiphenyl	110	99	50 - 120
2-Fluorophenol (Surr)	56	47	15 - 96
Nitrobenzene-d5 (Surr)	109	95	60 - 114
Phenol-d5 (Surr)	35	29	4 - 86
Terphenyl-d14 (Surr)	114	108	72 - 130

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240466

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-240466/1-A	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 0807	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
4,4'-DDD	6.7	U	1.3	6.7
Chlordane (technical)	67	U	19	67
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	72 - 136
DCB Decachlorobiphenyl	82	76 - 149

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	72 - 136
DCB Decachlorobiphenyl	82	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240466

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240466/2-A	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 0821	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	115	86	53 - 126	
alpha-BHC	133	110	82	50 - 129	
beta-BHC	133	110	83	51 - 131	
4,4'-DDD	133	113	84	50 - 131	
4,4'-DDE	133	113	85	49 - 130	
4,4'-DDT	133	115	86	48 - 132	
delta-BHC	133	114	85	40 - 130	
Dieldrin	133	114	85	48 - 126	
Endosulfan I	133	112	84	53 - 127	
Endosulfan II	133	113	85	52 - 127	
Endosulfan sulfate	133	115	87	52 - 124	
Endrin	133	113	85	48 - 126	
Endrin aldehyde	133	117	88	57 - 124	
Endrin ketone	133	114	86	55 - 124	
gamma-BHC (Lindane)	133	115	86	52 - 129	
Heptachlor	133	115	87	52 - 128	
Heptachlor epoxide	133	113	85	53 - 122	
Methoxychlor	133	110	83	47 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	72 - 136
DCB Decachlorobiphenyl	88	76 - 149

Lab Control Sample - Batch: 460-240466

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240466/2-A	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 0821	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	112	84	53 - 126	
alpha-BHC	133	105	79	50 - 129	
beta-BHC	133	103	78	51 - 131	
4,4'-DDD	133	109	82	50 - 131	
4,4'-DDE	133	110	82	49 - 130	
4,4'-DDT	133	110	83	48 - 132	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240466

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240466/2-A	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 0821	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	113	85	40 - 130	
Dieldrin	133	110	83	48 - 126	
Endosulfan I	133	112	84	53 - 127	
Endosulfan II	133	111	83	52 - 127	
Endosulfan sulfate	133	114	85	52 - 124	
Endrin	133	109	82	48 - 126	
Endrin aldehyde	133	115	87	57 - 124	
Endrin ketone	133	109	82	55 - 124	
gamma-BHC (Lindane)	133	111	84	52 - 129	
Heptachlor	133	113	85	52 - 128	
Heptachlor epoxide	133	111	83	53 - 122	
Methoxychlor	133	110	82	47 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	72 - 136
DCB Decachlorobiphenyl	84	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240466

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80389-8	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013381.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0051 g
Analysis Date:	08/04/2014 0835			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80389-8	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013382.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0240 g
Analysis Date:	08/04/2014 0849			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	95	96	69 - 138	1	30		
alpha-BHC	91	94	68 - 133	2	30		
beta-BHC	92	93	67 - 137	2	30		
4,4'-DDD	95	96	69 - 150	1	30		
4,4'-DDE	94	94	70 - 147	0	30		
4,4'-DDT	97	97	63 - 146	0	30		
delta-BHC	96	97	65 - 141	2	30		
Dieldrin	94	95	63 - 129	1	30		
Endosulfan I	94	95	69 - 140	2	30		
Endosulfan II	94	96	66 - 136	2	30		
Endosulfan sulfate	96	98	65 - 137	2	30		
Endrin	94	96	67 - 142	1	30		
Endrin aldehyde	97	99	67 - 134	2	30		
Endrin ketone	96	97	68 - 146	2	30		
gamma-BHC (Lindane)	96	98	68 - 134	2	30		
Heptachlor	95	97	67 - 136	2	30		
Heptachlor epoxide	93	94	68 - 136	0	30		
Methoxychlor	93	94	52 - 150	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	91	93	72 - 136
DCB Decachlorobiphenyl	97	98	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240466

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80389-8	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013381.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0051 g
Analysis Date:	08/04/2014 0835			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80389-8	Analysis Batch:	460-240505	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240466	Lab File ID:	PR013382.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0240 g
Analysis Date:	08/04/2014 0849			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	92	94	69 - 138	2	30		
alpha-BHC	86	86	68 - 133	0	30		
beta-BHC	84	88	67 - 137	5	30		
4,4'-DDD	92	93	69 - 150	1	30		
4,4'-DDE	92	94	70 - 147	1	30		
4,4'-DDT	94	94	63 - 146	1	30		
delta-BHC	93	95	65 - 141	2	30		
Dieldrin	92	94	63 - 129	2	30		
Endosulfan I	93	95	69 - 140	1	30		
Endosulfan II	93	94	66 - 136	2	30		
Endosulfan sulfate	95	97	65 - 137	2	30		
Endrin	92	94	67 - 142	2	30		
Endrin aldehyde	97	98	67 - 134	2	30		
Endrin ketone	92	94	68 - 146	1	30		
gamma-BHC (Lindane)	91	93	68 - 134	2	30		
Heptachlor	95	96	67 - 136	1	30		
Heptachlor epoxide	92	91	68 - 136	1	30		
Methoxychlor	91	94	52 - 150	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	90	91	72 - 136
DCB Decachlorobiphenyl	87	92	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240508

Method: 8081B
Preparation: 3510C

Lab Sample ID:	MB 460-240508/1-A	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494542.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1043	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	0.050	U	0.017	0.050
alpha-BHC	0.050	U	0.0090	0.050
beta-BHC	0.050	U	0.013	0.050
4,4'-DDD	0.050	U	0.019	0.050
Chlordane (technical)	0.50	U	0.21	0.50
4,4'-DDE	0.050	U	0.016	0.050
4,4'-DDT	0.050	U	0.017	0.050
delta-BHC	0.050	U	0.012	0.050
Dieldrin	0.050	U	0.022	0.050
Endosulfan I	0.050	U	0.016	0.050
Endosulfan II	0.050	U	0.016	0.050
Endosulfan sulfate	0.050	U	0.016	0.050
Endrin	0.050	U	0.017	0.050
Endrin aldehyde	0.050	U	0.016	0.050
Endrin ketone	0.050	U	0.016	0.050
gamma-BHC (Lindane)	0.050	U	0.014	0.050
Heptachlor	0.050	U	0.014	0.050
Heptachlor epoxide	0.050	U	0.016	0.050
Methoxychlor	0.050	U	0.015	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	123	50 - 147
DCB Decachlorobiphenyl	70	26 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	121	50 - 147
DCB Decachlorobiphenyl	69	26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240508

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 460-240508/2-A	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494543.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1055	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	1.60	1.75	110	65 - 147	
alpha-BHC	1.60	1.98	124	69 - 147	
beta-BHC	1.60	1.92	120	65 - 142	
4,4'-DDD	1.60	2.17	136	67 - 150	
4,4'-DDE	1.60	2.12	132	67 - 145	
4,4'-DDT	1.60	2.18	136	62 - 138	
delta-BHC	1.60	1.67	104	66 - 142	
Dieldrin	1.60	2.05	128	69 - 140	
Endosulfan I	1.60	2.03	127	69 - 145	
Endosulfan II	1.60	1.98	124	74 - 143	
Endosulfan sulfate	1.60	2.11	132	75 - 141	
Endrin	1.60	2.02	126	62 - 150	
Endrin aldehyde	1.60	1.95	122	76 - 136	
Endrin ketone	1.60	2.17	136	78 - 149	
gamma-BHC (Lindane)	1.60	2.05	128	70 - 148	
Heptachlor	1.60	1.79	112	66 - 146	
Heptachlor epoxide	1.60	1.96	122	68 - 147	
Methoxychlor	1.60	2.17	135	67 - 136	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	50 - 147
DCB Decachlorobiphenyl	72	26 - 150

Lab Control Sample - Batch: 460-240508

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 460-240508/2-A	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494543.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1055	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	1.60	1.65	103	65 - 147	
alpha-BHC	1.60	1.88	118	69 - 147	
beta-BHC	1.60	1.88	118	65 - 142	
4,4'-DDD	1.60	2.13	133	67 - 150	
4,4'-DDE	1.60	2.05	128	67 - 145	
4,4'-DDT	1.60	2.14	134	62 - 138	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240508

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 460-240508/2-A	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494543.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1055	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	1.60	1.56	98	66 - 142	
Dieldrin	1.60	1.97	123	69 - 140	
Endosulfan I	1.60	1.92	120	69 - 145	
Endosulfan II	1.60	1.93	121	74 - 143	
Endosulfan sulfate	1.60	1.99	124	75 - 141	
Endrin	1.60	1.95	122	62 - 150	
Endrin aldehyde	1.60	1.90	119	76 - 136	
Endrin ketone	1.60	2.02	126	78 - 149	
gamma-BHC (Lindane)	1.60	1.86	116	70 - 148	
Heptachlor	1.60	1.72	108	66 - 146	
Heptachlor epoxide	1.60	1.82	114	68 - 147	
Methoxychlor	1.60	2.07	130	67 - 136	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	103	50 - 147
DCB Decachlorobiphenyl	70	26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240508

Method: 8081B
Preparation: 3510C

MS Lab Sample ID:	460-80349-A-4-C MS	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494544.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1106			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80349-B-4-B MSD	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494545.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1118			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	85	88	65 - 147	3	30		
alpha-BHC	96	98	69 - 147	3	30		
beta-BHC	91	93	65 - 142	3	30		
4,4'-DDD	105	108	67 - 150	2	30		
4,4'-DDE	96	98	67 - 145	2	30		
4,4'-DDT	107	109	62 - 138	2	30		
delta-BHC	78	81	66 - 142	3	30		
Dieldrin	89	92	69 - 140	2	30		
Endosulfan I	96	99	69 - 145	3	30		
Endosulfan II	93	95	74 - 143	2	30		
Endosulfan sulfate	96	98	75 - 141	2	30		
Endrin	103	105	62 - 150	2	30		
Endrin aldehyde	92	93	76 - 136	2	30		
Endrin ketone	100	102	78 - 149	2	30		
gamma-BHC (Lindane)	96	99	70 - 148	3	30		
Heptachlor	89	91	66 - 146	3	30		
Heptachlor epoxide	93	95	68 - 147	3	30		
Methoxychlor	103	106	67 - 136	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	107	111	50 - 147
DCB Decachlorobiphenyl	88	112	26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240508

Method: 8081B
Preparation: 3510C

MS Lab Sample ID:	460-80349-A-4-C MS	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494544.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1106			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80349-B-4-B MSD	Analysis Batch:	460-240765	Instrument ID:	CPESTGC9
Client Matrix:	Water	Prep Batch:	460-240508	Lab File ID:	VR494545.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1118			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0814			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	78	79	65 - 147	1	30		
alpha-BHC	90	93	69 - 147	3	30		
beta-BHC	89	91	65 - 142	2	30		
4,4'-DDD	103	105	67 - 150	2	30		
4,4'-DDE	93	94	67 - 145	2	30		
4,4'-DDT	101	103	62 - 138	2	30		
delta-BHC	74	76	66 - 142	2	30		
Dieldrin	85	87	69 - 140	3	30		
Endosulfan I	90	91	69 - 145	2	30		
Endosulfan II	91	93	74 - 143	2	30		
Endosulfan sulfate	92	94	75 - 141	2	30		
Endrin	100	102	62 - 150	3	30		
Endrin aldehyde	91	93	76 - 136	2	30		
Endrin ketone	94	95	78 - 149	1	30		
gamma-BHC (Lindane)	88	90	70 - 148	2	30		
Heptachlor	85	86	66 - 146	2	30		
Heptachlor epoxide	88	89	68 - 147	1	30		
Methoxychlor	102	104	67 - 136	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	107	110	50 - 147
DCB Decachlorobiphenyl	82	83	26 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240766

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-240766/1-A	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013453.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0715	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
4,4'-DDD	6.7	U	1.3	6.7
Chlordane (technical)	67	U	19	67
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	72 - 136
DCB Decachlorobiphenyl	105	76 - 149

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	98	72 - 136
DCB Decachlorobiphenyl	101	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240766

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240766/2-A	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013454.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0729	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	135	101	53 - 126	
alpha-BHC	133	68.8	52	50 - 129	p
beta-BHC	133	135	102	51 - 131	
4,4'-DDD	133	142	106	50 - 131	
4,4'-DDE	133	140	105	49 - 130	
4,4'-DDT	133	144	108	48 - 132	
delta-BHC	133	143	107	40 - 130	
Dieldrin	133	140	105	48 - 126	
Endosulfan I	133	140	105	53 - 127	
Endosulfan II	133	141	106	52 - 127	
Endosulfan sulfate	133	145	109	52 - 124	
Endrin	133	140	105	48 - 126	
Endrin aldehyde	133	136	102	57 - 124	
Endrin ketone	133	145	109	55 - 124	
gamma-BHC (Lindane)	133	141	105	52 - 129	
Heptachlor	133	140	105	52 - 128	
Heptachlor epoxide	133	139	104	53 - 122	
Methoxychlor	133	141	106	47 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	101	72 - 136
DCB Decachlorobiphenyl	110	76 - 149

Lab Control Sample - Batch: 460-240766

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240766/2-A	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013454.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0729	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	130	98	53 - 126	
alpha-BHC	133	126	95	50 - 129	
beta-BHC	133	128	96	51 - 131	
4,4'-DDD	133	138	104	50 - 131	
4,4'-DDE	133	139	104	49 - 130	
4,4'-DDT	133	140	105	48 - 132	

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240766

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240766/2-A	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013454.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0729	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	139	105	40 - 130	
Dieldrin	133	139	104	48 - 126	
Endosulfan I	133	139	104	53 - 127	
Endosulfan II	133	138	104	52 - 127	
Endosulfan sulfate	133	143	107	52 - 124	
Endrin	133	137	103	48 - 126	
Endrin aldehyde	133	135	101	57 - 124	
Endrin ketone	133	141	106	55 - 124	
gamma-BHC (Lindane)	133	136	102	52 - 129	
Heptachlor	133	139	104	52 - 128	
Heptachlor epoxide	133	135	101	53 - 122	
Methoxychlor	133	139	104	47 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	98	72 - 136
DCB Decachlorobiphenyl	101	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240766

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80314-D-7-B MS	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013455.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/07/2014 0743			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80314-D-7-C MSD	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013456.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0756			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	96	105	69 - 138	10	30		
alpha-BHC	93	101	68 - 133	8	30		
beta-BHC	98	105	67 - 137	7	30		
4,4'-DDD	97	106	69 - 150	9	30		
4,4'-DDE	97	105	70 - 147	9	30		
4,4'-DDT	99	107	63 - 146	8	30		
delta-BHC	99	108	65 - 141	9	30		
Dieldrin	97	106	63 - 129	9	30		
Endosulfan I	96	105	69 - 140	9	30		
Endosulfan II	97	106	66 - 136	9	30		
Endosulfan sulfate	100	109	65 - 137	9	30		
Endrin	97	106	67 - 142	9	30		
Endrin aldehyde	80	97	67 - 134	19	30		
Endrin ketone	100	107	68 - 146	8	30		
gamma-BHC (Lindane)	98	107	68 - 134	9	30		
Heptachlor	96	105	67 - 136	9	30		
Heptachlor epoxide	95	104	68 - 136	9	30		
Methoxychlor	99	107	52 - 150	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	93	98	72 - 136
DCB Decachlorobiphenyl	106	111	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240766

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80314-D-7-B MS	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013455.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/07/2014 0743			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80314-D-7-C MSD	Analysis Batch:	460-241166	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240766	Lab File ID:	PR013456.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0756			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1133			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	92	99	69 - 138	7	30		
alpha-BHC	83	93	68 - 133	12	30		
beta-BHC	89	96	67 - 137	9	30		
4,4'-DDD	95	103	69 - 150	9	30		
4,4'-DDE	96	105	70 - 147	9	30		
4,4'-DDT	97	105	63 - 146	8	30		
delta-BHC	95	106	65 - 141	10	30		
Dieldrin	96	105	63 - 129	9	30		
Endosulfan I	94	104	69 - 140	9	30		
Endosulfan II	95	103	66 - 136	8	30		
Endosulfan sulfate	98	107	65 - 137	9	30		
Endrin	96	104	67 - 142	8	30		
Endrin aldehyde	74	92	67 - 134	22	30		
Endrin ketone	97	106	68 - 146	9	30		
gamma-BHC (Lindane)	92	101	68 - 134	10	30		
Heptachlor	96	104	67 - 136	9	30		
Heptachlor epoxide	94	101	68 - 136	8	30		
Methoxychlor	95	103	52 - 150	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	90	97	72 - 136
DCB Decachlorobiphenyl	93	100	76 - 149

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240468

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-240468/1-A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085350.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 1040	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor-1262	67	U	19	67
Aroclor 1268	67	U	19	67
Polychlorinated biphenyls, Total	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	53 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240468

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240468/2-A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 1059	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	328	98	64 - 145	
Aroclor 1260	333	323	97	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	53 - 150

Lab Control Sample - Batch: 460-240468

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240468/2-A	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/04/2014 1059	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	317	95	64 - 145	
Aroclor 1260	333	307	92	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240468

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-79915-D-16-F MS	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085353.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0144 g
Analysis Date:	08/04/2014 1137			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-79915-D-16-G MSD	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0315 g
Analysis Date:	08/04/2014 1156			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	105	101	64 - 145	4	30		
Aroclor 1260	102	109	59 - 150	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	100	105	53 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240468

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-79915-D-16-F MS	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085353.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0144 g
Analysis Date:	08/04/2014 1137			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-79915-D-16-G MSD	Analysis Batch:	460-240564	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240468	Lab File ID:	T085354.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0315 g
Analysis Date:	08/04/2014 1156			Final Weight/Volume:	10 mL
Prep Date:	08/04/2014 0245			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	94	100	64 - 145	6	30		
Aroclor 1260	97	103	59 - 150	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	102	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240506

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 460-240506/1-A	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103942.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1048	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor-1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	66	13 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	63	13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240506

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 460-240506/2-A	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103941.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1032	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	8.00	8.65	108	68 - 146	
Aroclor 1260	8.00	8.04	100	65 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	90	13 - 150

Lab Control Sample - Batch: 460-240506

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 460-240506/2-A	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103941.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1032	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	8.00	7.56	94	68 - 146	
Aroclor 1260	8.00	7.36	92	65 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240506

Method: 8082A
Preparation: 3510C

MS Lab Sample ID:	460-80349-A-4-A MS	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103940.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1016			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80349-B-4-A MSD	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103939.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1000			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	100	103	68 - 146	3	30		
Aroclor 1260	98	99	65 - 150	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	88	13 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240506

Method: 8082A
Preparation: 3510C

MS Lab Sample ID:	460-80349-A-4-A MS	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103940.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1016			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80349-B-4-A MSD	Analysis Batch:	460-240696	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-240506	Lab File ID:	QR103939.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/05/2014 1000			Final Weight/Volume:	1 mL
Prep Date:	08/04/2014 0805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	96	97	68 - 146	1	30		
Aroclor 1260	93	94	65 - 150	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	82	13 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240767

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-240767/1-A	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085421.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 0116	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor-1262	67	U	19	67
Aroclor 1268	67	U	19	67
Polychlorinated biphenyls, Total	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	118	53 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240767

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240767/2-A	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085422.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 0135	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	397	119	64 - 145	
Aroclor 1260	333	405	121	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	53 - 150

Lab Control Sample - Batch: 460-240767

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240767/2-A	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085422.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/06/2014 0135	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	388	117	64 - 145	
Aroclor 1260	333	388	116	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240767

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80249-F-12-D MS	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/06/2014 0154			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80249-F-12-E MSD	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/06/2014 0213			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	99	102	64 - 145	2	30		
Aroclor 1260	108	106	59 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	96	53 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240767

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80249-F-12-D MS	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/06/2014 0154			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80249-F-12-E MSD	Analysis Batch:	460-240955	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240767	Lab File ID:	T085424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/06/2014 0213			Final Weight/Volume:	10 mL
Prep Date:	08/05/2014 1135			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	98	100	64 - 145	1	30		
Aroclor 1260	100	102	59 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	92	53 - 150

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 460-240229/1-A	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1746	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	200	U	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	200	U	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	5000	U	416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	5000	U	281	5000
Magnesium	5000	U	355	5000
Manganese	15.0	U	4.3	15.0
Sodium	5000	U	514	5000
Nickel	40.0	U	7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-240229/2-A	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1750	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	50.0	52.75	106	80 - 120	
Aluminum	2000	2126	106	80 - 120	
Arsenic	2000	1951	98	80 - 120	
Barium	2000	2128	106	80 - 120	
Beryllium	50.0	52.79	106	80 - 120	
Calcium	20000	19920	100	80 - 120	
Cadmium	50.0	53.32	107	80 - 120	
Cobalt	500	532.2	106	80 - 120	
Chromium	200	208.6	104	80 - 120	
Copper	250	250.0	100	80 - 120	
Iron	1000	971.7	97	80 - 120	
Potassium	20000	19460	97	80 - 120	
Magnesium	20000	19980	100	80 - 120	
Manganese	500	525.7	105	80 - 120	
Sodium	20000	20050	100	80 - 120	
Nickel	500	552.0	110	80 - 120	
Lead	500	538.9	108	80 - 120	
Antimony	500	509.3	102	80 - 120	
Selenium	2000	2006	100	80 - 120	
Thallium	2000	2219	111	80 - 120	
Vanadium	500	507.3	101	80 - 120	
Zinc	500	551.9	110	80 - 120	

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-80271-D-5-C MS	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1805	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	10.0	U	50.0	52.36	105	75 - 125	
Aluminum	628		2000	2786	108	75 - 125	
Arsenic	15.0	U	2000	2020	101	75 - 125	
Barium	817		2000	2866	102	75 - 125	
Beryllium	2.0	U	50.0	51.54	103	75 - 125	
Cadmium	4.0	U	50.0	50.30	101	75 - 125	
Cobalt	50.0	U	500	495.1	99	75 - 125	
Chromium	10.0	U	200	199.7	100	75 - 125	
Copper	25.0	U	250	256.3	103	75 - 125	
Potassium	7510		20000	29000	107	75 - 125	
Magnesium	46800		20000	67280	102	75 - 125	
Manganese	10.3	J	500	511.8	100	75 - 125	
Nickel	40.0	U	500	510.7	102	75 - 125	
Antimony	20.0	U	500	521.4	104	75 - 125	
Selenium	20.0	U	2000	2062	103	75 - 125	
Thallium	20.0	U	2000	1929	96	75 - 125	
Vanadium	50.0	U	500	506.4	101	75 - 125	
Zinc	8.6	J	500	532.1	105	75 - 125	

Matrix Spike - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-80271-D-5-C MS ^2	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2230	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	383000		20000	389400	32	75 - 125	4
Iron	3000	U	1000	3000	NC	75 - 125	U
Sodium	1490000		20000	1467000	-95	75 - 125	4
Lead	200	U	500	573.8	115	75 - 125	

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-80271-D-5-B DU	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 1754	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	10.0	U	10.0	NC	20	U
Aluminum	628		632.7	0.7	20	
Arsenic	15.0	U	15.0	NC	20	U
Barium	817		850.8	4	20	
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	4.0	U	4.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Chromium	10.0	U	10.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Potassium	7510		7584	1	20	
Magnesium	46800		48510	4	20	
Manganese	10.3	J	10.61	3	20	J
Nickel	40.0	U	40.0	NC	20	U
Antimony	20.0	U	20.0	NC	20	U
Selenium	20.0	U	20.0	NC	20	U
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	8.6	J	8.87	3	20	J

Duplicate - Batch: 460-240229

Method: 6010C
Preparation: 3010A

Lab Sample ID:	460-80271-D-5-B DU ^2	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240229	Lab File ID:	240529.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/04/2014 2219	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/01/2014 1617				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Calcium	383000		376000	2	20	
Iron	3000	U	3000	NC	20	U
Sodium	1490000		1489000	0.2	20	
Lead	200	U	200	NC	20	U

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240433

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-240433/1-A ^2	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/04/2014 1945	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.19	1.0
Aluminum	20.0	U	11.1	20.0
Arsenic	1.5	U	0.41	1.5
Barium	20.0	U	0.87	20.0
Beryllium	0.20	U	0.14	0.20
Calcium	500	U	38.3	500
Cadmium	0.40	U	0.14	0.40
Cobalt	5.0	U	0.45	5.0
Chromium	1.0	U	0.40	1.0
Copper	2.5	U	0.88	2.5
Iron	15.0	U	12.5	15.0
Potassium	500	U	13.8	500
Magnesium	500	U	33.2	500
Manganese	1.5	U	0.43	1.5
Sodium	500	U	37.8	500
Nickel	4.0	U	0.90	4.0
Lead	1.0	U	0.41	1.0
Antimony	2.0	U	0.76	2.0
Selenium	2.0	U	0.57	2.0
Thallium	2.0	U	0.98	2.0
Vanadium	5.0	U	0.41	5.0
Zinc	3.0	U	0.86	3.0

Client: FPM Group Limited

Job Number: 460-80389-1

LCS-Certified Reference Material - Batch: 460-240433

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-240433/2-A	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	08/04/2014 2000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	42.3	42.85	101.3	66.2 - 134.0	
Aluminum	9310	8715	93.6	43.3 - 156.8	
Arsenic	168	166.6	99.2	70.8 - 129.8	
Barium	213	225.0	105.6	73.2 - 126.8	
Beryllium	110	110.9	100.8	75.1 - 125.5	
Calcium	6870	6844	99.6	74.4 - 125.8	
Cadmium	103	105.3	102.2	73.0 - 126.2	
Cobalt	131	139.0	106.1	74.4 - 125.2	
Chromium	119	121.8	102.4	69.7 - 129.4	
Copper	118	113.6	96.3	74.6 - 124.6	
Iron	13000	13360	102.8	32.2 - 167.7	
Potassium	3130	2923	93.4	62.9 - 136.7	
Magnesium	2780	2651	95.4	65.1 - 135.3	
Manganese	338	350.3	103.6	75.4 - 125.1	
Sodium	350	334.9	95.7	42.9 - 156.9	J
Nickel	70.0	75.41	107.7	70.9 - 129.0	
Lead	76.9	79.94	104.0	68.7 - 131.3	
Antimony	120	72.61	60.5	20.8 - 252.5	
Selenium	126	126.0	100.0	66.7 - 134.1	
Thallium	208	227.3	109.3	69.2 - 130.8	
Vanadium	87.1	85.13	97.7	63.1 - 136.6	
Zinc	276	294.9	106.8	71.4 - 128.6	

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike - Batch: 460-240433

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80362-A-5-C MS ^4	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	08/04/2014 2328	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	23.6	U	5.73	6.74	118	75 - 125	J
Aluminum	34200		229	38250	1782	75 - 125	4
Arsenic	35.3	U	229	211.6	92	75 - 125	
Barium	431	J	229	669.3	104	75 - 125	
Beryllium	4.7	U	5.73	6.97	122	75 - 125	
Calcium	1160	J	2290	3404	98	75 - 125	J
Cadmium	9.4	U	5.73	5.69	99	75 - 125	J
Cobalt	12.5	J	57.3	71.14	102	75 - 125	J
Chromium	40.8		22.9	62.53	95	75 - 125	
Copper	22.2	J	28.6	51.61	103	75 - 125	J
Iron	41700		115	42880	1019	75 - 125	4
Potassium	4140	J	2290	6423	100	75 - 125	J
Magnesium	5950	J	2290	8358	105	75 - 125	J
Manganese	1220		57.3	1305	144	75 - 125	4
Sodium	11800	U	2290	2010	88	75 - 125	J
Nickel	22.2	J	57.3	80.85	102	75 - 125	J
Lead	83.4		57.3	136.5	93	75 - 125	
Antimony	47.1	U	57.3	45.8	0	75 - 125	U N
Selenium	47.1	U	229	214.6	94	75 - 125	
Thallium	47.1	U	229	237.5	104	75 - 125	
Vanadium	67.1	J	57.3	122.9	97	75 - 125	
Zinc	163		57.3	225.8	110	75 - 125	

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240433

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80362-A-5-B DU ^4	Analysis Batch:	460-240623	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240433	Lab File ID:	240529.asc
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	08/04/2014 2317	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/03/2014 1717				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	23.6	U	22.7	NC	20	U
Aluminum	34200		34330	0.5	20	
Arsenic	35.3	U	34.0	NC	20	U
Barium	431	J	427.8	0.8	20	J
Beryllium	4.7	U	4.5	NC	20	U
Calcium	1160	J	1210	4	20	J
Cadmium	9.4	U	9.1	NC	20	U
Cobalt	12.5	J	12.22	2	20	J
Chromium	40.8		41.12	0.7	20	
Copper	22.2	J	23.65	6	20	J
Iron	41700		42410	2	20	
Potassium	4140	J	4080	1	20	J
Magnesium	5950	J	6091	2	20	J
Manganese	1220		1253	2	20	
Sodium	11800	U	11300	NC	20	U
Nickel	22.2	J	21.77	2	20	J
Lead	83.4		80.54	4	20	
Antimony	47.1	U	45.4	NC	20	U
Selenium	47.1	U	45.4	NC	20	U
Thallium	47.1	U	45.4	NC	20	U
Vanadium	67.1	J	67.26	0.2	20	J
Zinc	163		161.6	0.6	20	

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240973

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	MB 460-240971/1-B	Analysis Batch:	460-241240	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1653	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	10.0	U	1.9	10.0
Aluminum	200	U	73.6	200
Arsenic	15.0	U	4.3	15.0
Barium	200	U	6.5	200
Beryllium	2.0	U	1.1	2.0
Calcium	5000	U	416	5000
Cadmium	4.0	U	1.2	4.0
Cobalt	50.0	U	3.8	50.0
Chromium	10.0	U	4.6	10.0
Copper	25.0	U	6.2	25.0
Iron	150	U	51.4	150
Potassium	5000	U	281	5000
Magnesium	5000	U	355	5000
Manganese	15.0	U	4.3	15.0
Sodium	5000	U	514	5000
Nickel	40.0	U	7.8	40.0
Lead	10.0	U	4.6	10.0
Antimony	20.0	U	5.4	20.0
Selenium	20.0	U	6.7	20.0
Thallium	20.0	U	9.2	20.0
Vanadium	50.0	U	4.2	50.0
Zinc	30.0	U	5.9	30.0

Client: FPM Group Limited

Job Number: 460-80389-1

Lab Control Sample - Batch: 460-240973

Method: 6010C
Preparation: 3010A

Lab Sample ID:	LCS 460-240973/2-A	Analysis Batch:	460-241240	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1657	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	50.0	51.92	104	80 - 120	
Aluminum	2000	2011	101	80 - 120	
Arsenic	2000	1842	92	80 - 120	
Barium	2000	2018	101	80 - 120	
Beryllium	50.0	50.72	101	80 - 120	
Calcium	20000	19530	98	80 - 120	
Cadmium	50.0	50.91	102	80 - 120	
Cobalt	500	527.3	105	80 - 120	
Chromium	200	203.1	102	80 - 120	
Copper	250	257.5	103	80 - 120	
Iron	1000	935.4	94	80 - 120	
Potassium	20000	19630	98	80 - 120	
Magnesium	20000	19750	99	80 - 120	
Manganese	500	541.5	108	80 - 120	
Sodium	20000	20940	105	80 - 120	
Nickel	500	526.0	105	80 - 120	
Lead	500	545.0	109	80 - 120	
Antimony	500	483.5	97	80 - 120	
Selenium	2000	2020	101	80 - 120	
Thallium	2000	2143	107	80 - 120	
Vanadium	500	527.2	105	80 - 120	
Zinc	500	519.2	104	80 - 120	

Client: FPM Group Limited

Job Number: 460-80389-1

Matrix Spike - Batch: 460-240973

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-80389-6	Analysis Batch:	460-241240	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1712	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	10.0	U	50.0	50.23	100	75 - 125	
Aluminum	202		2000	2156	98	75 - 125	
Arsenic	15.0	U	2000	1858	93	75 - 125	
Barium	275		2000	2195	96	75 - 125	
Beryllium	2.0	U	50.0	50.12	100	75 - 125	
Calcium	228000		20000	239400	57	75 - 125	4
Cadmium	4.0	U	50.0	48.08	96	75 - 125	
Cobalt	14.0	J	500	513.5	100	75 - 125	
Chromium	10.0	U	200	193.6	97	75 - 125	
Copper	25.0	U	250	260.6	104	75 - 125	
Potassium	25900		20000	45760	99	75 - 125	
Magnesium	52700		20000	70790	90	75 - 125	
Manganese	880		500	1378	100	75 - 125	
Nickel	26.3	J	500	515.6	98	75 - 125	
Lead	11.4		500	522.0	102	75 - 125	
Antimony	20.0	U	500	490.0	98	75 - 125	
Selenium	20.0	U	2000	2060	103	75 - 125	
Thallium	20.0	U	2000	1901	95	75 - 125	
Vanadium	50.0	U	500	520.6	104	75 - 125	
Zinc	214		500	701.0	97	75 - 125	

Matrix Spike - Batch: 460-240973

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-80389-6	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1308	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Iron	1500	U	1000	731.7	73	75 - 125	J N
Sodium	512000		20000	512600	3	75 - 125	4

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240973

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-80389-6	Analysis Batch:	460-241240	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	240972.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1700	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	10.0	U	10.0	NC	20	U
Aluminum	202		206.0	2	20	
Arsenic	15.0	U	15.0	NC	20	U
Barium	275		285.8	4	20	
Beryllium	2.0	U	2.0	NC	20	U
Calcium	228000		231600	2	20	
Cadmium	4.0	U	4.0	NC	20	U
Cobalt	14.0	J	14.38	3	20	J
Chromium	10.0	U	10.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Potassium	25900		26400	2	20	
Magnesium	52700		53700	2	20	
Manganese	880		894.3	2	20	
Nickel	26.3	J	27.17	3	20	J
Lead	11.4		12.64	11	20	
Antimony	20.0	U	20.0	NC	20	U
Selenium	20.0	U	20.0	NC	20	U
Thallium	20.0	U	20.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	214		222.9	4	20	

Duplicate - Batch: 460-240973

Method: 6010C
Preparation: 3010A
Dissolved

Lab Sample ID:	460-80389-6	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-240973	Lab File ID:	241197.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 1257	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/06/2014 0947				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Iron	1500	U	1500	NC	20	U
Sodium	512000		500200	2	20	

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240577

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-240577/1-A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1415	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-240577

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-240577/2-A	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1417	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.998	100	80 - 120	

Matrix Spike - Batch: 460-240577

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-80389-3	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1423	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	1.21	121	75 - 125	

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240577

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-80389-3	Analysis Batch:	460-240620	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240577	Lab File ID:	240576hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/04/2014 1421	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/04/2014 1223				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240787

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	MB 460-240779/1-B	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1510	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-240787

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-240787/2-A	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1513	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.988	99	80 - 120	

Matrix Spike - Batch: 460-240787

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-80276-E-2-F MS	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1519	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	1.03	103	75 - 125	

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240787

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-80276-E-2-E DU	Analysis Batch:	460-240837	Instrument ID:	LEEMAN4
Client Matrix:	Water	Prep Batch:	460-240787	Lab File ID:	240745.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2014 1517	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/05/2014 1207				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Client: FPM Group Limited

Job Number: 460-80389-1

Method Blank - Batch: 460-240923

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-240923/10-A	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/06/2014 1032	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-240923

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-240923/11-A	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/06/2014 1034	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	25.88	103.1	51.4 - 148.2	

Matrix Spike - Batch: 460-240923

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80389-13	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	08/06/2014 1040	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.017	U	0.0831	0.0964	116	75 - 125	

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240923

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80389-13	Analysis Batch:	460-241006	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-240923	Lab File ID:	240916HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	08/06/2014 1038	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0555				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.017	U	0.017	NC	20	U

Client: FPM Group Limited

Job Number: 460-80389-1

Duplicate - Batch: 460-240206

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-80387-D-6 DU	Analysis Batch:	460-240206	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/01/2014 1613	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	8.4	10.4	21	20	*
Percent Solids	91.6	89.6	2	20	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

460-80389 Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY REQUEST

Name (for report and invoice): George Holmes	Samplers Name (Printed): George Holmes	Site/Project Identification: Farrington Realty
Company: FPM Group	P. O. #: 1135g-14-03	State (Location of site): NJ: [ ] NY: [X] Other:
		Regulatory Program: Report with Batch QAQC
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard [X]	
City: Ronkonkoma State: NY 11779	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	
Phone: (631) 737-6200 Fax: (631) 737-2410		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals							Sample Numbers
GW-3	7/31/14	7:30	GW	11	X	X	X	X	X							1
GW-1		8:00														2
GW-4		8:30														3
GW-4D		8:45														4
GW-5		9:15														5
GW-6		9:45														6
GW-2		10:15														7
B-11 (0-2)		10:45	S	5												8
B-11 (25-27)		11:00														9
RXMW-6		11:15	GW	3												10
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:					1	1	1	1	1							
6 = Other _____, 7 = Other _____ — Water:					1,2	1	1	1	1,4							

SHORT HOLD

LAB USE ONLY
Project No:
Job No: 80389

Special Instructions: Lab to filter metals samples

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
	FPM Group	8/1/14 10:30		TA
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
	F.A. F.Y.	8/1/14 13:40		TA 8/1/14 1340
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4/3.3 1.4/3.3 SRH JNG CJ

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): George Holmes	Samplers Name (Printed): George Holmes	Site/Project Identification: Farrington Realty
Company: FPM Group	P. O. #: 1135g-14-03	State (Location of site): NJ: [ ] NY: [X] Other:
		Regulatory Program: Report w/ Batch QA/QC
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No:
City: Ronkonkoma State: NY 11779	Rush Chrages Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: 80389
Phone: (631) 737-6200 Fax: (631) 737-2410		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals							Sample Numbers
MW-17	7/31/14	11:45	GW	3	X											11
B-6 (0-2)		12:15	S	5		X	X	X	X							12
B-6 (25-27)		12:30														13
B-5 (0-2)		13:00														14
B-5 (25-27)		13:30														15
B-4 (0-2)		14:00														16
B4 (25-27)		14:30														17
TB0731		7:00	Aq	2												18
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:	1	1	1	1	1							
6 = Other _____, 7 = Other _____				Water:	1, 2											

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	FPM Group	8/1/14 10:30	1) [signature]	TA
2) [signature]	F.A.N.Y.	8/1/14 13:40	2) [signature]	TA 8/1/14 1340
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.4/3.3 1.4/3.3 ±R# ↑ NOC

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 80389

Number of Coolers: 9 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.7 °C	3.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.9 °C	3.7 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: ✓ Date: 8/1/14

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-80389-1

Login Number: 80389

List Source: TestAmerica Edison

List Number: 1

Creator: Ciecwisz, Alyssa D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR#5 3.3°C,3.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 460-80555-1

Job Description: Farrington Realty

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: George Holmes

Approved for release.
Shalini Isaac
Project Management Assistant II
8/15/2014 1:35 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
08/15/2014

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

CASE NARRATIVE

Client: FPM Group Limited

Project: Farrington Realty

Report Number: 460-80555-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 8/5/2014 5:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 3.2º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 08/05/2014 and analyzed on 08/07/2014 and 08/08/2014.

Internal standard (ISTD) response for 1,4-Dioxane-d8 for the following sample was outside of acceptance limits: B-13(0-2) (460-80555-8). The associated target analyte 1,4-Dioxane was not detected in this sample. Re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 241737 recovered outside control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 460-241737/2).

The continuing calibration verification (CCV) associated with batch 241318 recovered outside control limits for Trichlorofluoromethane and 1,1,2,2-Tetrachloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for batch 241318 recovered outside control limits for the following analyte: Methylene Chloride. This analyte was biased high in the LCSD. The associated sample data has been flagged and reported.

The peak observed at 10.2 minutes is column bleed and therefore not reported as a TIC in the following samples: B-1(0-2) (460-80555-5), B-10(0-2) (460-80555-10), B-1D(0-2) (460-80555-6), B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-7(25-27) (460-80555-17), B-8(0-2) (460-80555-14).

Acetone was detected in method blank MB 460-241318/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Methylene Chloride and Toluene were detected in method blank MB 460-241318/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANICS
Sample TB0804 (460-80555-18) was analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 08/10/2014.

No difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/06/2014 and analyzed on 08/07/2014, 08/09/2014 and 08/10/2014.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 240984 had one analyte (Nitrobenzene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample 480-64771-3 in batch 460-241389. Hexachlorocyclopentadiene failed the recovery criteria low for the MSD of sample 480-64771-3 in batch 460-241389. Nitrobenzene failed the recovery criteria high.

2,3,4,6-Tetrachlorophenol, Fluoranthene, Hexachlorocyclopentadiene and Phenanthrene failed the recovery criteria low for the MS of sample 480-64772-9 in batch 460-241146. Several analytes failed the recovery criteria low for the MSD of sample 480-64772-9 in batch 460-241146. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample B-13(0-2) (460-80555-8)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES
Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared and analyzed on 08/06/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 08/06/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS
Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared and analyzed on 08/06/2014 and 08/07/2014.

Aluminum, Chromium and Iron failed the recovery criteria high for the MS of sample 460-80332-1 in batch 460-241474.

Antimony failed the recovery criteria low for the MS of sample 460-80498-1 in batch 460-241575. Several analytes failed the recovery criteria high.

Refer to the QC report for details.

Samples B-3(0-2) (460-80555-1)[4X], B-3(25-27) (460-80555-2)[4X], B-2(0-2) (460-80555-3)[4X] and B-2(25-27) (460-80555-4)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 08/08/2014 and 08/10/2014.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples B-3(0-2) (460-80555-1), B-3(25-27) (460-80555-2), B-2(0-2) (460-80555-3), B-2(25-27) (460-80555-4), B-1(0-2) (460-80555-5), B-1D(0-2) (460-80555-6), B-1(25-27) (460-80555-7), B-13(0-2) (460-80555-8), B-13(25-27) (460-80555-9), B-10(0-2) (460-80555-10), B-10(25-27) (460-80555-11), B-9(0-2) (460-80555-12), B-9(25-27) (460-80555-13), B-8(0-2) (460-80555-14), B-8(25-27) (460-80555-15), B-7(0-2) (460-80555-16) and B-7(25-27) (460-80555-17) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/06/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-1	**B-3(0-2)**					
Methylene Chloride		1.3	B *	1.0	ug/Kg	8260C
Toluene		0.64	J B	1.0	ug/Kg	8260C
Benzo[a]pyrene		7.9	J	35	ug/Kg	8270D
Aluminum		6830		40.0	mg/Kg	6010C
Barium		76.2		40.0	mg/Kg	6010C
Calcium		1410		999	mg/Kg	6010C
Cobalt		11.1		10	mg/Kg	6010C
Chromium		25.0		2.0	mg/Kg	6010C
Copper		24.4		5.0	mg/Kg	6010C
Iron		26400		30.0	mg/Kg	6010C
Potassium		2610		999	mg/Kg	6010C
Magnesium		2440		999	mg/Kg	6010C
Manganese		513		3.0	mg/Kg	6010C
Sodium		165	J	999	mg/Kg	6010C
Nickel		20.4		8.0	mg/Kg	6010C
Lead		3.8		2.0	mg/Kg	6010C
Selenium		2.8	J	4.0	mg/Kg	6010C
Vanadium		37.8		10	mg/Kg	6010C
Zinc		28.4		6.0	mg/Kg	6010C
Percent Moisture		6.5		1.0	%	Moisture
Percent Solids		93.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-2	**B-3(25-27)**					
Methylene Chloride		1.4	B *	1.0	ug/Kg	8260C
Acetone		22	B	5.0	ug/Kg	8260C
Toluene		0.71	J B	1.0	ug/Kg	8260C
Aluminum		2960		38.1	mg/Kg	6010C
Barium		31.0	J	38.1	mg/Kg	6010C
Calcium		924	J	953	mg/Kg	6010C
Cobalt		4.1	J	9.5	mg/Kg	6010C
Chromium		10		1.9	mg/Kg	6010C
Copper		13.3		4.8	mg/Kg	6010C
Iron		9490		28.6	mg/Kg	6010C
Potassium		1060		953	mg/Kg	6010C
Magnesium		1160		953	mg/Kg	6010C
Manganese		148		2.9	mg/Kg	6010C
Sodium		344	J	953	mg/Kg	6010C
Nickel		10		7.6	mg/Kg	6010C
Lead		2.0		1.9	mg/Kg	6010C
Selenium		1.3	J	3.8	mg/Kg	6010C
Vanadium		12.2		9.5	mg/Kg	6010C
Zinc		27.7		5.7	mg/Kg	6010C
Percent Moisture		3.8		1.0	%	Moisture
Percent Solids		96.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
460-80555-3	**B-2(0-2)**					
Benzene		0.48	J	1.1	ug/Kg	8260C
Tetrachloroethene		0.54	J	1.1	ug/Kg	8260C
Toluene		2.5	B	1.1	ug/Kg	8260C
Ethylbenzene		0.51	J	1.1	ug/Kg	8260C
m-Xylene & p-Xylene		2.2		1.1	ug/Kg	8260C
o-Xylene		1.2		1.1	ug/Kg	8260C
Methyl tert-butyl ether		0.91	J	1.1	ug/Kg	8260C
Methylcyclohexane		0.39	J	1.1	ug/Kg	8260C
Benzo[a]anthracene		120		34	ug/Kg	8270D
Benzo[a]pyrene		92		34	ug/Kg	8270D
Benzo[b]fluoranthene		170		34	ug/Kg	8270D
Benzo[g,h,i]perylene		75	J	340	ug/Kg	8270D
Benzo[k]fluoranthene		60		34	ug/Kg	8270D
Chrysene		130	J	340	ug/Kg	8270D
Dibenz(a,h)anthracene		16	J	34	ug/Kg	8270D
Fluoranthene		240	J	340	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		81		34	ug/Kg	8270D
Phenanthrene		140	J	340	ug/Kg	8270D
Pyrene		200	J	340	ug/Kg	8270D
Aluminum		3170		39.3	mg/Kg	6010C
Barium		35.2	J	39.3	mg/Kg	6010C
Calcium		366	J	983	mg/Kg	6010C
Cobalt		3.5	J	9.8	mg/Kg	6010C
Chromium		7.6		2.0	mg/Kg	6010C
Copper		9.9		4.9	mg/Kg	6010C
Iron		9620		29.5	mg/Kg	6010C
Potassium		1340		983	mg/Kg	6010C
Magnesium		1250		983	mg/Kg	6010C
Manganese		121		3.0	mg/Kg	6010C
Sodium		298	J	983	mg/Kg	6010C
Nickel		9.3		7.9	mg/Kg	6010C
Lead		1.8	J	2.0	mg/Kg	6010C
Selenium		1.6	J	3.9	mg/Kg	6010C
Vanadium		11.1		9.8	mg/Kg	6010C
Zinc		13.9		5.9	mg/Kg	6010C
Percent Moisture		3.2		1.0	%	Moisture
Percent Solids		96.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-4	**B-2(25-27)**					
Toluene		0.44	J B	1.1	ug/Kg	8260C
Aluminum		5490		38.9	mg/Kg	6010C
Barium		48.5		38.9	mg/Kg	6010C
Calcium		931	J	973	mg/Kg	6010C
Cobalt		6.6	J	9.7	mg/Kg	6010C
Chromium		15.7		1.9	mg/Kg	6010C
Copper		14.3		4.9	mg/Kg	6010C
Iron		12100		29.2	mg/Kg	6010C
Potassium		1870		973	mg/Kg	6010C
Magnesium		2100		973	mg/Kg	6010C
Manganese		122		2.9	mg/Kg	6010C
Sodium		718	J	973	mg/Kg	6010C
Nickel		17.5		7.8	mg/Kg	6010C
Lead		2.4		1.9	mg/Kg	6010C
Selenium		2.0	J	3.9	mg/Kg	6010C
Vanadium		19.2		9.7	mg/Kg	6010C
Zinc		20.8		5.8	mg/Kg	6010C
Percent Moisture		8.3		1.0	%	Moisture
Percent Solids		91.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-5	**B-1(0-2)**					
Methylene Chloride		1.8	B *	1.2	ug/Kg	8260C
Toluene		0.66	J B	1.2	ug/Kg	8260C
Benzo[a]anthracene		91		39	ug/Kg	8270D
Benzo[a]pyrene		81		39	ug/Kg	8270D
Benzo[b]fluoranthene		110		39	ug/Kg	8270D
Benzo[g,h,i]perylene		55	J	390	ug/Kg	8270D
Benzo[k]fluoranthene		50		39	ug/Kg	8270D
Chrysene		92	J	390	ug/Kg	8270D
Dibenz(a,h)anthracene		13	J	39	ug/Kg	8270D
Fluoranthene		190	J	390	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		58		39	ug/Kg	8270D
Isophorone		84	J	390	ug/Kg	8270D
Phenanthrene		110	J	390	ug/Kg	8270D
Pyrene		150	J	390	ug/Kg	8270D
Aluminum		7760		42.2	mg/Kg	6010C
Barium		83.9		42.2	mg/Kg	6010C
Calcium		7180		1050	mg/Kg	6010C
Cobalt		6.8	J	10.5	mg/Kg	6010C
Chromium		19.5		2.1	mg/Kg	6010C
Copper		14.8		5.3	mg/Kg	6010C
Iron		17300		31.6	mg/Kg	6010C
Potassium		3060		1050	mg/Kg	6010C
Magnesium		4140		1050	mg/Kg	6010C
Manganese		236		3.2	mg/Kg	6010C
Sodium		512	J	1050	mg/Kg	6010C
Nickel		16.4		8.4	mg/Kg	6010C
Lead		11.1		2.1	mg/Kg	6010C
Vanadium		24.2		10.5	mg/Kg	6010C
Zinc		44.9		6.3	mg/Kg	6010C
Mercury		0.018	J	0.020	mg/Kg	7471B
Percent Moisture		15.3		1.0	%	Moisture
Percent Solids		84.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-6	**B-1D(0-2)**					
Toluene		0.45	J B	1.0	ug/Kg	8260C
Acenaphthene		97	J	370	ug/Kg	8270D
Anthracene		190	J	370	ug/Kg	8270D
Benzo[a]anthracene		400		37	ug/Kg	8270D
Benzo[a]pyrene		350		37	ug/Kg	8270D
Benzo[b]fluoranthene		520		37	ug/Kg	8270D
Benzo[g,h,i]perylene		240	J	370	ug/Kg	8270D
Benzo[k]fluoranthene		160		37	ug/Kg	8270D
Carbazole		110	J	370	ug/Kg	8270D
Chrysene		380		370	ug/Kg	8270D
Dibenz(a,h)anthracene		62		37	ug/Kg	8270D
Dibenzofuran		81	J	370	ug/Kg	8270D
Fluoranthene		920		370	ug/Kg	8270D
Fluorene		130	J	370	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		250		37	ug/Kg	8270D
Isophorone		50	J	370	ug/Kg	8270D
Naphthalene		140	J	370	ug/Kg	8270D
Phenanthrene		800		370	ug/Kg	8270D
Pyrene		630		370	ug/Kg	8270D
Aluminum		6920		42.9	mg/Kg	6010C
Arsenic		1.0	J	3.2	mg/Kg	6010C
Barium		110		42.9	mg/Kg	6010C
Calcium		14100		1070	mg/Kg	6010C
Cobalt		6.4	J	10.7	mg/Kg	6010C
Chromium		17.8		2.1	mg/Kg	6010C
Copper		16.0		5.4	mg/Kg	6010C
Iron		16100		32.2	mg/Kg	6010C
Potassium		2330		1070	mg/Kg	6010C
Magnesium		4260		1070	mg/Kg	6010C
Manganese		240		3.2	mg/Kg	6010C
Sodium		377	J	1070	mg/Kg	6010C
Nickel		14.4		8.6	mg/Kg	6010C
Lead		24.5		2.1	mg/Kg	6010C
Vanadium		23.0		10.7	mg/Kg	6010C
Zinc		84.1		6.4	mg/Kg	6010C
Mercury		0.021		0.018	mg/Kg	7471B
Percent Moisture		10.4		1.0	%	Moisture
Percent Solids		89.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-7	**B-1(25-27)**					
Toluene		0.31	J B	1.0	ug/Kg	8260C
Aluminum		2830		37.6	mg/Kg	6010C
Arsenic		1.3	J	2.8	mg/Kg	6010C
Barium		24.3	J	37.6	mg/Kg	6010C
Calcium		830	J	939	mg/Kg	6010C
Cobalt		8.5	J	9.4	mg/Kg	6010C
Chromium		15.1		1.9	mg/Kg	6010C
Copper		29.2		4.7	mg/Kg	6010C
Iron		21200		28.2	mg/Kg	6010C
Potassium		592	J	939	mg/Kg	6010C
Magnesium		942		939	mg/Kg	6010C
Manganese		317		2.8	mg/Kg	6010C
Sodium		74.2	J	939	mg/Kg	6010C
Nickel		12.8		7.5	mg/Kg	6010C
Lead		2.7		1.9	mg/Kg	6010C
Vanadium		27.7		9.4	mg/Kg	6010C
Zinc		15.0		5.6	mg/Kg	6010C
Percent Moisture		5.0		1.0	%	Moisture
Percent Solids		95.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-8	**B-13(0-2)**					
Tetrachloroethene		2.5		1.0	ug/Kg	8260C
Toluene		0.41	J B	1.0	ug/Kg	8260C
Benzo[a]anthracene		190		72	ug/Kg	8270D
Benzo[a]pyrene		170		72	ug/Kg	8270D
Benzo[b]fluoranthene		240		72	ug/Kg	8270D
Benzo[g,h,i]perylene		200	J	720	ug/Kg	8270D
Benzo[k]fluoranthene		91		72	ug/Kg	8270D
Chrysene		170	J	720	ug/Kg	8270D
Dibenz(a,h)anthracene		47	J	72	ug/Kg	8270D
Fluoranthene		350	J	720	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		190		72	ug/Kg	8270D
Isophorone		110	J	720	ug/Kg	8270D
Phenanthrene		170	J	720	ug/Kg	8270D
Pyrene		220	J	720	ug/Kg	8270D
Aluminum		7640		40.6	mg/Kg	6010C
Arsenic		6.9		3.0	mg/Kg	6010C
Barium		82.1		40.6	mg/Kg	6010C
Calcium		22500		1010	mg/Kg	6010C
Cadmium		0.33	J	0.81	mg/Kg	6010C
Cobalt		6.2	J	10.1	mg/Kg	6010C
Chromium		21.0		2.0	mg/Kg	6010C
Copper		32.2		5.1	mg/Kg	6010C
Iron		15800		30.4	mg/Kg	6010C
Potassium		2630		1010	mg/Kg	6010C
Magnesium		4650		1010	mg/Kg	6010C
Manganese		174		3.0	mg/Kg	6010C
Sodium		194	J	1010	mg/Kg	6010C
Nickel		18.1		8.1	mg/Kg	6010C
Lead		76.2		2.0	mg/Kg	6010C
Vanadium		29.9		10.1	mg/Kg	6010C
Zinc		121		6.1	mg/Kg	6010C
Mercury		0.060		0.017	mg/Kg	7471B
Percent Moisture		8.7		1.0	%	Moisture
Percent Solids		91.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-9	**B-13(25-27)**					
Toluene		0.34	J B	0.96	ug/Kg	8260C
Pyrene		33	J	340	ug/Kg	8270D
Aluminum		3440		39.0	mg/Kg	6010C
Barium		36.7	J	39.0	mg/Kg	6010C
Calcium		1480		974	mg/Kg	6010C
Cobalt		8.2	J	9.7	mg/Kg	6010C
Chromium		15.9		1.9	mg/Kg	6010C
Copper		28.1		4.9	mg/Kg	6010C
Iron		15800		29.2	mg/Kg	6010C
Potassium		973	J	974	mg/Kg	6010C
Magnesium		1330		974	mg/Kg	6010C
Manganese		284		2.9	mg/Kg	6010C
Sodium		670	J	974	mg/Kg	6010C
Nickel		16.3		7.8	mg/Kg	6010C
Lead		2.4		1.9	mg/Kg	6010C
Vanadium		21.5		9.7	mg/Kg	6010C
Zinc		83.6		5.8	mg/Kg	6010C
Percent Moisture		4.0		1.0	%	Moisture
Percent Solids		96.0		1.0	%	Moisture
460-80555-10	**B-10(0-2)**					
Toluene		0.66	J B	0.95	ug/Kg	8260C
Aluminum		5320		35.9	mg/Kg	6010C
Barium		58.7		35.9	mg/Kg	6010C
Calcium		964		898	mg/Kg	6010C
Cobalt		6.2	J	9.0	mg/Kg	6010C
Chromium		15.4		1.8	mg/Kg	6010C
Copper		17.1		4.5	mg/Kg	6010C
Iron		17400		26.9	mg/Kg	6010C
Potassium		1910		898	mg/Kg	6010C
Magnesium		1960		898	mg/Kg	6010C
Manganese		238		2.7	mg/Kg	6010C
Sodium		285	J	898	mg/Kg	6010C
Nickel		13.7		7.2	mg/Kg	6010C
Lead		28.7		1.8	mg/Kg	6010C
Vanadium		20.5		9.0	mg/Kg	6010C
Zinc		24.2		5.4	mg/Kg	6010C
Mercury		0.012	J	0.018	mg/Kg	7471B
Percent Moisture		4.9		1.0	%	Moisture
Percent Solids		95.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-11	**B-10(25-27)**					
Toluene		0.33	J B	0.97	ug/Kg	8260C
Aluminum		4120		36.9	mg/Kg	6010C
Barium		43.1		36.9	mg/Kg	6010C
Calcium		1070		921	mg/Kg	6010C
Cobalt		6.7	J	9.2	mg/Kg	6010C
Chromium		13.6		1.8	mg/Kg	6010C
Copper		19.9		4.6	mg/Kg	6010C
Iron		13800		27.6	mg/Kg	6010C
Potassium		1390		921	mg/Kg	6010C
Magnesium		1630		921	mg/Kg	6010C
Manganese		208		2.8	mg/Kg	6010C
Sodium		619	J	921	mg/Kg	6010C
Nickel		15.6		7.4	mg/Kg	6010C
Lead		7.4		1.8	mg/Kg	6010C
Vanadium		18.7		9.2	mg/Kg	6010C
Zinc		27.9		5.5	mg/Kg	6010C
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture
460-80555-12	**B-9(0-2)**					
Toluene		0.42	J B	0.97	ug/Kg	8260C
Benzo[a]pyrene		23	J	34	ug/Kg	8270D
Benzo[b]fluoranthene		30	J	34	ug/Kg	8270D
Benzo[k]fluoranthene		12	J	34	ug/Kg	8270D
Dibenz(a,h)anthracene		5.7	J	34	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		19	J	34	ug/Kg	8270D
Pyrene		38	J	340	ug/Kg	8270D
Aluminum		4820		40.8	mg/Kg	6010C
Barium		56.4		40.8	mg/Kg	6010C
Calcium		1330		1020	mg/Kg	6010C
Cobalt		6.1	J	10.2	mg/Kg	6010C
Chromium		15.2		2.0	mg/Kg	6010C
Copper		18.2		5.1	mg/Kg	6010C
Iron		14600		30.6	mg/Kg	6010C
Potassium		1700		1020	mg/Kg	6010C
Magnesium		1810		1020	mg/Kg	6010C
Manganese		198		3.1	mg/Kg	6010C
Sodium		300	J	1020	mg/Kg	6010C
Nickel		12.6		8.2	mg/Kg	6010C
Lead		4.8		2.0	mg/Kg	6010C
Vanadium		19.7		10.2	mg/Kg	6010C
Zinc		21.9		6.1	mg/Kg	6010C
Percent Moisture		3.0		1.0	%	Moisture
Percent Solids		97.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-13	**B-9(25-27)**					
Toluene		0.36	J B	0.98	ug/Kg	8260C
Aluminum		5070		37.6	mg/Kg	6010C
Barium		60.6		37.6	mg/Kg	6010C
Calcium		584	J	939	mg/Kg	6010C
Cobalt		4.7	J	9.4	mg/Kg	6010C
Chromium		15.5		1.9	mg/Kg	6010C
Copper		9.0		4.7	mg/Kg	6010C
Iron		10800		28.2	mg/Kg	6010C
Potassium		2200		939	mg/Kg	6010C
Magnesium		2500		939	mg/Kg	6010C
Manganese		176		2.8	mg/Kg	6010C
Sodium		714	J	939	mg/Kg	6010C
Nickel		15.6		7.5	mg/Kg	6010C
Lead		1.5	J	1.9	mg/Kg	6010C
Vanadium		16.1		9.4	mg/Kg	6010C
Zinc		22.5		5.6	mg/Kg	6010C
Percent Moisture		4.0		1.0	%	Moisture
Percent Solids		96.0		1.0	%	Moisture
460-80555-14	**B-8(0-2)**					
Methylene Chloride		1.9	B *	1.0	ug/Kg	8260C
Toluene		0.51	J B	1.0	ug/Kg	8260C
Benzo[a]pyrene		15	J	34	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		10	J	34	ug/Kg	8270D
Aluminum		4380		39.1	mg/Kg	6010C
Barium		45.5		39.1	mg/Kg	6010C
Calcium		752	J	978	mg/Kg	6010C
Cobalt		4.3	J	9.8	mg/Kg	6010C
Chromium		10.1		2.0	mg/Kg	6010C
Copper		12.6		4.9	mg/Kg	6010C
Iron		10100		29.3	mg/Kg	6010C
Potassium		1620		978	mg/Kg	6010C
Magnesium		1770		978	mg/Kg	6010C
Manganese		124		2.9	mg/Kg	6010C
Sodium		90.5	J	978	mg/Kg	6010C
Nickel		10.1		7.8	mg/Kg	6010C
Lead		15.8		2.0	mg/Kg	6010C
Vanadium		13.3		9.8	mg/Kg	6010C
Zinc		18.6		5.9	mg/Kg	6010C
Percent Moisture		3.5		1.0	%	Moisture
Percent Solids		96.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-15	**B-8(25-27)**					
Toluene		0.45	J B	1.1	ug/Kg	8260C
Aluminum		3150		39.7	mg/Kg	6010C
Barium		36.6	J	39.7	mg/Kg	6010C
Calcium		489	J	992	mg/Kg	6010C
Cobalt		3.7	J	9.9	mg/Kg	6010C
Chromium		8.6		2.0	mg/Kg	6010C
Copper		9.3		5.0	mg/Kg	6010C
Iron		8220		29.8	mg/Kg	6010C
Potassium		1160		992	mg/Kg	6010C
Magnesium		1330		992	mg/Kg	6010C
Manganese		142		3.0	mg/Kg	6010C
Sodium		202	J	992	mg/Kg	6010C
Nickel		11.4		7.9	mg/Kg	6010C
Lead		1.5	J	2.0	mg/Kg	6010C
Vanadium		10.6		9.9	mg/Kg	6010C
Zinc		18.7		6.0	mg/Kg	6010C
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-16	**B-7(0-2)**					
Toluene		0.41	J B	1.2	ug/Kg	8260C
1,1'-Biphenyl		53	J	350	ug/Kg	8270D
2-Methylnaphthalene		150	J	350	ug/Kg	8270D
Acenaphthene		470		350	ug/Kg	8270D
Anthracene		770		350	ug/Kg	8270D
Benzo[a]anthracene		1800		35	ug/Kg	8270D
Benzo[a]pyrene		1700		35	ug/Kg	8270D
Benzo[b]fluoranthene		2300		35	ug/Kg	8270D
Benzo[g,h,i]perylene		1300		350	ug/Kg	8270D
Benzo[k]fluoranthene		930		35	ug/Kg	8270D
Carbazole		530		350	ug/Kg	8270D
Chrysene		1900		350	ug/Kg	8270D
Dibenz(a,h)anthracene		380		35	ug/Kg	8270D
Dibenzofuran		360		350	ug/Kg	8270D
Fluoranthene		3700		350	ug/Kg	8270D
Fluorene		310	J	350	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		1400		35	ug/Kg	8270D
Naphthalene		320	J	350	ug/Kg	8270D
Phenanthrene		3600		350	ug/Kg	8270D
Pyrene		3500		350	ug/Kg	8270D
Aluminum		5930		37.6	mg/Kg	6010C
Barium		63.8		37.6	mg/Kg	6010C
Calcium		1920		940	mg/Kg	6010C
Cobalt		6.7	J	9.4	mg/Kg	6010C
Chromium		15.6		1.9	mg/Kg	6010C
Copper		21.7		4.7	mg/Kg	6010C
Iron		19100		28.2	mg/Kg	6010C
Potassium		2360		940	mg/Kg	6010C
Magnesium		2140		940	mg/Kg	6010C
Manganese		248		2.8	mg/Kg	6010C
Sodium		110	J	940	mg/Kg	6010C
Nickel		14.5		7.5	mg/Kg	6010C
Lead		28.6		1.9	mg/Kg	6010C
Vanadium		21.6		9.4	mg/Kg	6010C
Zinc		34.4		5.6	mg/Kg	6010C
Percent Moisture		5.0		1.0	%	Moisture
Percent Solids		95.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-80555-17	**B-7(25-27)**					
Methylene Chloride		1.4	B *	0.98	ug/Kg	8260C
Toluene		0.67	J B	0.98	ug/Kg	8260C
Aluminum		3590		41.1	mg/Kg	6010C
Barium		42.9		41.1	mg/Kg	6010C
Calcium		1050		1030	mg/Kg	6010C
Cobalt		5.6	J	10.3	mg/Kg	6010C
Chromium		12.0		2.1	mg/Kg	6010C
Copper		15.7		5.1	mg/Kg	6010C
Iron		12300		30.8	mg/Kg	6010C
Potassium		1510		1030	mg/Kg	6010C
Magnesium		1540		1030	mg/Kg	6010C
Manganese		209		3.1	mg/Kg	6010C
Sodium		174	J	1030	mg/Kg	6010C
Nickel		12.8		8.2	mg/Kg	6010C
Lead		2.3		2.1	mg/Kg	6010C
Vanadium		17.6		10.3	mg/Kg	6010C
Zinc		18.0		6.2	mg/Kg	6010C
Percent Moisture		8.2		1.0	%	Moisture
Percent Solids		91.8		1.0	%	Moisture
460-80555-18TB	**TB0804**					
Acetone		16		5.0	ug/L	8260C

METHOD SUMMARY

Client: FPM Group Limited | Job Number: 460-80555-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Group Limited

Job Number: 460-80555-1

Method	Analyst	Analyst ID
SW846 8260C	Martinez, Eddie	EMM
SW846 8260C	Starzec, Margaret	MZS
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Manlangit, Ferdie	FAM
SW846 8270D	Rana, Vidhi	VJR
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Patel, Jignesh	JHP
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Patel, Purva H	PHP
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Ciecwisz, Alyssa D	ADC

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-80555-1	B-3(0-2)	Solid	08/04/2014 0715	08/05/2014 1750
460-80555-2	B-3(25-27)	Solid	08/04/2014 0730	08/05/2014 1750
460-80555-3	B-2(0-2)	Solid	08/04/2014 0800	08/05/2014 1750
460-80555-4	B-2(25-27)	Solid	08/04/2014 0815	08/05/2014 1750
460-80555-5	B-1(0-2)	Solid	08/04/2014 0845	08/05/2014 1750
460-80555-6	B-1D(0-2)	Solid	08/04/2014 0900	08/05/2014 1750
460-80555-7	B-1(25-27)	Solid	08/04/2014 0915	08/05/2014 1750
460-80555-8	B-13(0-2)	Solid	08/04/2014 1000	08/05/2014 1750
460-80555-9	B-13(25-27)	Solid	08/04/2014 1015	08/05/2014 1750
460-80555-10	B-10(0-2)	Solid	08/04/2014 1045	08/05/2014 1750
460-80555-11	B-10(25-27)	Solid	08/04/2014 1100	08/05/2014 1750
460-80555-12	B-9(0-2)	Solid	08/04/2014 1145	08/05/2014 1750
460-80555-13	B-9(25-27)	Solid	08/04/2014 1200	08/05/2014 1750
460-80555-14	B-8(0-2)	Solid	08/04/2014 1300	08/05/2014 1750
460-80555-15	B-8(25-27)	Solid	08/04/2014 1315	08/05/2014 1750
460-80555-16	B-7(0-2)	Solid	08/04/2014 1400	08/05/2014 1750
460-80555-17	B-7(25-27)	Solid	08/04/2014 1415	08/05/2014 1750
460-80555-18TB	TB0804	Water	08/04/2014 0700	08/05/2014 1750

SAMPLE RESULTS

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30452.D
Dilution:	1.0			Initial Weight/Volume:	5.33 g
Analysis Date:	08/07/2014 2029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.3	B *	0.15	1.0
Acetone		5.0	U	1.7	5.0
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.0	U	0.63	5.0
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.0	U	0.20	5.0
2-Hexanone		5.0	U	0.13	5.0
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.090	1.0
Toluene		0.64	J B	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.59	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30452.D
Dilution:	1.0			Initial Weight/Volume:	5.33 g
Analysis Date:	08/07/2014 2029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.44	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.0	U	0.32	5.0
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene	109		70 - 130
Dibromofluoromethane (Surr)	111		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30452.D
Dilution:	1.0			Initial Weight/Volume:	5.33 g
Analysis Date:	08/07/2014 2029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2017				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30453.D
Dilution:	1.0			Initial Weight/Volume:	5.164 g
Analysis Date:	08/07/2014 2053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.4	B *	0.15	1.0
Acetone		22	B	1.7	5.0
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.0	U	0.63	5.0
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.0	U	0.20	5.0
2-Hexanone		5.0	U	0.13	5.0
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0
Toluene		0.71	J B	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.59	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30453.D
Dilution:	1.0			Initial Weight/Volume:	5.164 g
Analysis Date:	08/07/2014 2053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.44	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.0	U	0.32	5.0
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
Toluene-d8 (Surr)	93		70 - 130
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30453.D
Dilution:	1.0			Initial Weight/Volume:	5.164 g
Analysis Date:	08/07/2014 2053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30454.D
Dilution:	1.0			Initial Weight/Volume:	4.701 g
Analysis Date:	08/07/2014 2117			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.18	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		1.1	U *	0.16	1.1
Acetone		5.5	U	1.9	5.5
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.18	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.20	1.1
2-Butanone (MEK)		5.5	U	0.69	5.5
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Dichlorobromomethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Trichloroethene		1.1	U	0.13	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Benzene		0.48	J	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Bromoform		1.1	U	0.19	1.1
4-Methyl-2-pentanone (MIBK)		5.5	U	0.22	5.5
2-Hexanone		5.5	U	0.14	5.5
Tetrachloroethene		0.54	J	0.13	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.099	1.1
Toluene		2.5	B	0.15	1.1
Chlorobenzene		1.1	U	0.20	1.1
Ethylbenzene		0.51	J	0.19	1.1
Styrene		1.1	U	0.31	1.1
m-Xylene & p-Xylene		2.2		0.65	1.1
o-Xylene		1.2		0.21	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
Methyl tert-butyl ether		0.91	J	0.12	1.1
Cyclohexane		1.1	U	0.14	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.18	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,4-Dioxane		22	U	14	22

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30454.D
Dilution:	1.0			Initial Weight/Volume:	4.701 g
Analysis Date:	08/07/2014 2117			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.1	U	0.18	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.5	U	0.35	5.5
Methylcyclohexane		0.39	J	0.11	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	103		70 - 130
4-Bromofluorobenzene	109		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30454.D
Dilution:	1.0			Initial Weight/Volume:	4.701 g
Analysis Date:	08/07/2014 2117			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2018				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30455.D
Dilution:	1.0			Initial Weight/Volume:	5.086 g
Analysis Date:	08/07/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.17	1.1
Bromomethane		1.1	U	0.46	1.1
Vinyl chloride		1.1	U	0.36	1.1
Chloroethane		1.1	U	0.35	1.1
Methylene Chloride		1.1	U *	0.16	1.1
Acetone		5.4	U	1.8	5.4
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.17	1.1
1,1-Dichloroethene		1.1	U	0.20	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.19	1.1
2-Butanone (MEK)		5.4	U	0.68	5.4
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Dichlorobromomethane		1.1	U	0.34	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Trichloroethene		1.1	U	0.13	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Benzene		1.1	U	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Bromoform		1.1	U	0.18	1.1
4-Methyl-2-pentanone (MIBK)		5.4	U	0.21	5.4
2-Hexanone		5.4	U	0.14	5.4
Tetrachloroethene		1.1	U	0.13	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.096	1.1
Toluene		0.44	J B	0.15	1.1
Chlorobenzene		1.1	U	0.19	1.1
Ethylbenzene		1.1	U	0.18	1.1
Styrene		1.1	U	0.30	1.1
m-Xylene & p-Xylene		1.1	U	0.63	1.1
o-Xylene		1.1	U	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
Methyl tert-butyl ether		1.1	U	0.12	1.1
Cyclohexane		1.1	U	0.14	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.17	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
1,2,4-Trichlorobenzene		1.1	U	0.20	1.1
1,4-Dioxane		21	U	14	21

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30455.D
Dilution:	1.0			Initial Weight/Volume:	5.086 g
Analysis Date:	08/07/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.1	U	0.17	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.47	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.4	U	0.34	5.4
Methylcyclohexane		1.1	U	0.11	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	91		70 - 130
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30455.D
Dilution:	1.0			Initial Weight/Volume:	5.086 g
Analysis Date:	08/07/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30456.D
Dilution:	1.0			Initial Weight/Volume:	5.017 g
Analysis Date:	08/07/2014 2205			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.19	1.2
Bromomethane		1.2	U	0.51	1.2
Vinyl chloride		1.2	U	0.40	1.2
Chloroethane		1.2	U	0.39	1.2
Methylene Chloride		1.8	B *	0.18	1.2
Acetone		5.9	U	2.0	5.9
Carbon disulfide		1.2	U	0.18	1.2
Trichlorofluoromethane		1.2	U	0.19	1.2
1,1-Dichloroethene		1.2	U	0.22	1.2
1,1-Dichloroethane		1.2	U	0.13	1.2
trans-1,2-Dichloroethene		1.2	U	0.15	1.2
cis-1,2-Dichloroethene		1.2	U	0.13	1.2
Chloroform		1.2	U	0.28	1.2
1,2-Dichloroethane		1.2	U	0.21	1.2
2-Butanone (MEK)		5.9	U	0.74	5.9
1,1,1-Trichloroethane		1.2	U	0.15	1.2
Carbon tetrachloride		1.2	U	0.18	1.2
Dichlorobromomethane		1.2	U	0.38	1.2
1,2-Dichloropropane		1.2	U	0.18	1.2
cis-1,3-Dichloropropene		1.2	U	0.16	1.2
Trichloroethene		1.2	U	0.14	1.2
Chlorodibromomethane		1.2	U	0.12	1.2
1,1,2-Trichloroethane		1.2	U	0.16	1.2
Benzene		1.2	U	0.18	1.2
trans-1,3-Dichloropropene		1.2	U	0.12	1.2
Bromoform		1.2	U	0.20	1.2
4-Methyl-2-pentanone (MIBK)		5.9	U	0.24	5.9
2-Hexanone		5.9	U	0.15	5.9
Tetrachloroethene		1.2	U	0.14	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.11	1.2
Toluene		0.66	J B	0.16	1.2
Chlorobenzene		1.2	U	0.21	1.2
Ethylbenzene		1.2	U	0.20	1.2
Styrene		1.2	U	0.33	1.2
m-Xylene & p-Xylene		1.2	U	0.69	1.2
o-Xylene		1.2	U	0.22	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane		1.2	U	0.13	1.2
Methyl tert-butyl ether		1.2	U	0.13	1.2
Cyclohexane		1.2	U	0.15	1.2
Ethylene Dibromide		1.2	U	0.18	1.2
1,3-Dichlorobenzene		1.2	U	0.19	1.2
1,4-Dichlorobenzene		1.2	U	0.13	1.2
1,2-Dichlorobenzene		1.2	U	0.12	1.2
Dichlorodifluoromethane		1.2	U	0.26	1.2
1,2,4-Trichlorobenzene		1.2	U	0.22	1.2
1,4-Dioxane		24	U	15	24

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30456.D
Dilution:	1.0			Initial Weight/Volume:	5.017 g
Analysis Date:	08/07/2014 2205			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.2	U	0.19	1.2
1,2-Dibromo-3-Chloropropane		1.2	U	0.52	1.2
Chlorobromomethane		1.2	U	0.13	1.2
Isopropylbenzene		1.2	U	0.13	1.2
Methyl acetate		5.9	U	0.38	5.9
Methylcyclohexane		1.2	U	0.12	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
Toluene-d8 (Surr)	92		70 - 130
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30456.D
Dilution:	1.0			Initial Weight/Volume:	5.017 g
Analysis Date:	08/07/2014 2205			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2019				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30457.D
Dilution:	1.0			Initial Weight/Volume:	5.321 g
Analysis Date:	08/07/2014 2229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.17	1.0
Bromomethane		1.0	U	0.45	1.0
Vinyl chloride		1.0	U	0.36	1.0
Chloroethane		1.0	U	0.35	1.0
Methylene Chloride		1.0	U *	0.16	1.0
Acetone		5.2	U	1.8	5.2
Carbon disulfide		1.0	U	0.16	1.0
Trichlorofluoromethane		1.0	U	0.17	1.0
1,1-Dichloroethene		1.0	U	0.20	1.0
1,1-Dichloroethane		1.0	U	0.12	1.0
trans-1,2-Dichloroethene		1.0	U	0.14	1.0
cis-1,2-Dichloroethene		1.0	U	0.12	1.0
Chloroform		1.0	U	0.25	1.0
1,2-Dichloroethane		1.0	U	0.19	1.0
2-Butanone (MEK)		5.2	U	0.66	5.2
1,1,1-Trichloroethane		1.0	U	0.14	1.0
Carbon tetrachloride		1.0	U	0.16	1.0
Dichlorobromomethane		1.0	U	0.34	1.0
1,2-Dichloropropane		1.0	U	0.16	1.0
cis-1,3-Dichloropropene		1.0	U	0.15	1.0
Trichloroethene		1.0	U	0.13	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.15	1.0
Benzene		1.0	U	0.16	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)		5.2	U	0.21	5.2
2-Hexanone		5.2	U	0.14	5.2
Tetrachloroethene		1.0	U	0.13	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.094	1.0
Toluene		0.45	J B	0.15	1.0
Chlorobenzene		1.0	U	0.19	1.0
Ethylbenzene		1.0	U	0.18	1.0
Styrene		1.0	U	0.29	1.0
m-Xylene & p-Xylene		1.0	U	0.62	1.0
o-Xylene		1.0	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.12	1.0
Methyl tert-butyl ether		1.0	U	0.12	1.0
Cyclohexane		1.0	U	0.14	1.0
Ethylene Dibromide		1.0	U	0.16	1.0
1,3-Dichlorobenzene		1.0	U	0.17	1.0
1,4-Dichlorobenzene		1.0	U	0.12	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.23	1.0
1,2,4-Trichlorobenzene		1.0	U	0.20	1.0
1,4-Dioxane		21	U	13	21

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30457.D
Dilution:	1.0			Initial Weight/Volume:	5.321 g
Analysis Date:	08/07/2014 2229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.17	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.46	1.0
Chlorobromomethane		1.0	U	0.12	1.0
Isopropylbenzene		1.0	U	0.12	1.0
Methyl acetate		5.2	U	0.34	5.2
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	89		70 - 130
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30457.D
Dilution:	1.0			Initial Weight/Volume:	5.321 g
Analysis Date:	08/07/2014 2229			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30458.D
Dilution:	1.0			Initial Weight/Volume:	5.212 g
Analysis Date:	08/07/2014 2253			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.0	U *	0.15	1.0
Acetone		5.0	U	1.7	5.0
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.0	U	0.64	5.0
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.0	U	0.20	5.0
2-Hexanone		5.0	U	0.13	5.0
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0
Toluene		0.31	J B	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.60	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30458.D
Dilution:	1.0			Initial Weight/Volume:	5.212 g
Analysis Date:	08/07/2014 2253			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.44	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.0	U	0.32	5.0
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene	111		70 - 130
Dibromofluoromethane (Surr)	119		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30458.D
Dilution:	1.0			Initial Weight/Volume:	5.212 g
Analysis Date:	08/07/2014 2253			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2020				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30459.D
Dilution:	1.0			Initial Weight/Volume:	5.463 g
Analysis Date:	08/07/2014 2317			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.43	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.0	U *	0.15	1.0
Acetone		5.0	U	1.7	5.0
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.0	U	0.63	5.0
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.0	U	0.20	5.0
2-Hexanone		5.0	U	0.13	5.0
Tetrachloroethene		2.5		0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.090	1.0
Toluene		0.41	J B	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.59	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U *	13	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30459.D
Dilution:	1.0			Initial Weight/Volume:	5.463 g
Analysis Date:	08/07/2014 2317			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.44	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.0	U	0.32	5.0
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 130
Toluene-d8 (Surr)	106		70 - 130
4-Bromofluorobenzene	112		70 - 130
Dibromofluoromethane (Surr)	118		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30459.D
Dilution:	1.0			Initial Weight/Volume:	5.463 g
Analysis Date:	08/07/2014 2317			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.90	5.3	J
	Unknown	12.95	7.8	J
	Unknown	13.59	13	J
	Unknown	14.24	5.2	J
	Unknown	14.32	7.8	J
	Unknown	14.47	6.9	J

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30460.D
Dilution:	1.0			Initial Weight/Volume:	5.441 g
Analysis Date:	08/07/2014 2341			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.96	U	0.15	0.96
Bromomethane		0.96	U	0.41	0.96
Vinyl chloride		0.96	U	0.33	0.96
Chloroethane		0.96	U	0.32	0.96
Methylene Chloride		0.96	U *	0.14	0.96
Acetone		4.8	U	1.6	4.8
Carbon disulfide		0.96	U	0.14	0.96
Trichlorofluoromethane		0.96	U	0.15	0.96
1,1-Dichloroethene		0.96	U	0.18	0.96
1,1-Dichloroethane		0.96	U	0.11	0.96
trans-1,2-Dichloroethene		0.96	U	0.12	0.96
cis-1,2-Dichloroethene		0.96	U	0.11	0.96
Chloroform		0.96	U	0.23	0.96
1,2-Dichloroethane		0.96	U	0.17	0.96
2-Butanone (MEK)		4.8	U	0.60	4.8
1,1,1-Trichloroethane		0.96	U	0.12	0.96
Carbon tetrachloride		0.96	U	0.14	0.96
Dichlorobromomethane		0.96	U	0.31	0.96
1,2-Dichloropropane		0.96	U	0.14	0.96
cis-1,3-Dichloropropene		0.96	U	0.13	0.96
Trichloroethene		0.96	U	0.11	0.96
Chlorodibromomethane		0.96	U	0.096	0.96
1,1,2-Trichloroethane		0.96	U	0.13	0.96
Benzene		0.96	U	0.14	0.96
trans-1,3-Dichloropropene		0.96	U	0.096	0.96
Bromoform		0.96	U	0.16	0.96
4-Methyl-2-pentanone (MIBK)		4.8	U	0.19	4.8
2-Hexanone		4.8	U	0.12	4.8
Tetrachloroethene		0.96	U	0.11	0.96
1,1,2,2-Tetrachloroethane		0.96	U	0.086	0.96
Toluene		0.34	J B	0.13	0.96
Chlorobenzene		0.96	U	0.17	0.96
Ethylbenzene		0.96	U	0.16	0.96
Styrene		0.96	U	0.27	0.96
m-Xylene & p-Xylene		0.96	U	0.57	0.96
o-Xylene		0.96	U	0.18	0.96
1,1,2-Trichloro-1,2,2-trifluoroethane		0.96	U	0.11	0.96
Methyl tert-butyl ether		0.96	U	0.11	0.96
Cyclohexane		0.96	U	0.12	0.96
Ethylene Dibromide		0.96	U	0.14	0.96
1,3-Dichlorobenzene		0.96	U	0.15	0.96
1,4-Dichlorobenzene		0.96	U	0.11	0.96
1,2-Dichlorobenzene		0.96	U	0.096	0.96
Dichlorodifluoromethane		0.96	U	0.21	0.96
1,2,4-Trichlorobenzene		0.96	U	0.18	0.96
1,4-Dioxane		19	U	12	19

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30460.D
Dilution:	1.0			Initial Weight/Volume:	5.441 g
Analysis Date:	08/07/2014 2341			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.96	U	0.15	0.96
1,2-Dibromo-3-Chloropropane		0.96	U	0.42	0.96
Chlorobromomethane		0.96	U	0.11	0.96
Isopropylbenzene		0.96	U	0.11	0.96
Methyl acetate		4.8	U	0.31	4.8
Methylcyclohexane		0.96	U	0.096	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	87		70 - 130
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30460.D
Dilution:	1.0			Initial Weight/Volume:	5.441 g
Analysis Date:	08/07/2014 2341			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2021				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30461.D
Dilution:	1.0			Initial Weight/Volume:	5.505 g
Analysis Date:	08/08/2014 0005			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.95	U	0.15	0.95
Bromomethane		0.95	U	0.41	0.95
Vinyl chloride		0.95	U	0.32	0.95
Chloroethane		0.95	U	0.32	0.95
Methylene Chloride		0.95	U *	0.14	0.95
Acetone		4.8	U	1.6	4.8
Carbon disulfide		0.95	U	0.14	0.95
Trichlorofluoromethane		0.95	U	0.15	0.95
1,1-Dichloroethene		0.95	U	0.18	0.95
1,1-Dichloroethane		0.95	U	0.11	0.95
trans-1,2-Dichloroethene		0.95	U	0.12	0.95
cis-1,2-Dichloroethene		0.95	U	0.11	0.95
Chloroform		0.95	U	0.23	0.95
1,2-Dichloroethane		0.95	U	0.17	0.95
2-Butanone (MEK)		4.8	U	0.60	4.8
1,1,1-Trichloroethane		0.95	U	0.12	0.95
Carbon tetrachloride		0.95	U	0.14	0.95
Dichlorobromomethane		0.95	U	0.31	0.95
1,2-Dichloropropane		0.95	U	0.14	0.95
cis-1,3-Dichloropropene		0.95	U	0.13	0.95
Trichloroethene		0.95	U	0.11	0.95
Chlorodibromomethane		0.95	U	0.095	0.95
1,1,2-Trichloroethane		0.95	U	0.13	0.95
Benzene		0.95	U	0.14	0.95
trans-1,3-Dichloropropene		0.95	U	0.095	0.95
Bromoform		0.95	U	0.16	0.95
4-Methyl-2-pentanone (MIBK)		4.8	U	0.19	4.8
2-Hexanone		4.8	U	0.12	4.8
Tetrachloroethene		0.95	U	0.11	0.95
1,1,2,2-Tetrachloroethane		0.95	U	0.086	0.95
Toluene		0.66	J B	0.13	0.95
Chlorobenzene		0.95	U	0.17	0.95
Ethylbenzene		0.95	U	0.16	0.95
Styrene		0.95	U	0.27	0.95
m-Xylene & p-Xylene		0.95	U	0.56	0.95
o-Xylene		0.95	U	0.18	0.95
1,1,2-Trichloro-1,2,2-trifluoroethane		0.95	U	0.11	0.95
Methyl tert-butyl ether		0.95	U	0.11	0.95
Cyclohexane		0.95	U	0.12	0.95
Ethylene Dibromide		0.95	U	0.14	0.95
1,3-Dichlorobenzene		0.95	U	0.15	0.95
1,4-Dichlorobenzene		0.95	U	0.11	0.95
1,2-Dichlorobenzene		0.95	U	0.095	0.95
Dichlorodifluoromethane		0.95	U	0.21	0.95
1,2,4-Trichlorobenzene		0.95	U	0.18	0.95
1,4-Dioxane		19	U	12	19

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30461.D
Dilution:	1.0			Initial Weight/Volume:	5.505 g
Analysis Date:	08/08/2014 0005			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.95	U	0.15	0.95
1,2-Dibromo-3-Chloropropane		0.95	U	0.42	0.95
Chlorobromomethane		0.95	U	0.11	0.95
Isopropylbenzene		0.95	U	0.11	0.95
Methyl acetate		4.8	U	0.31	4.8
Methylcyclohexane		0.95	U	0.095	0.95

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125		70 - 130
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene	114		70 - 130
Dibromofluoromethane (Surr)	117		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30461.D
Dilution:	1.0			Initial Weight/Volume:	5.505 g
Analysis Date:	08/08/2014 0005			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	unknown	12.90	5.7	J
	Unknown	12.95	9.8	J
	Unknown	13.72	6.0	J
	Unknown	14.31	7.1	J

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11 | Date Sampled: 08/04/2014 1100
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30462.D
Dilution:	1.0			Initial Weight/Volume:	5.316 g
Analysis Date:	08/08/2014 0029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.97	U	0.16	0.97
Bromomethane		0.97	U	0.42	0.97
Vinyl chloride		0.97	U	0.33	0.97
Chloroethane		0.97	U	0.32	0.97
Methylene Chloride		0.97	U *	0.15	0.97
Acetone		4.9	U	1.6	4.9
Carbon disulfide		0.97	U	0.15	0.97
Trichlorofluoromethane		0.97	U	0.16	0.97
1,1-Dichloroethene		0.97	U	0.18	0.97
1,1-Dichloroethane		0.97	U	0.11	0.97
trans-1,2-Dichloroethene		0.97	U	0.13	0.97
cis-1,2-Dichloroethene		0.97	U	0.11	0.97
Chloroform		0.97	U	0.23	0.97
1,2-Dichloroethane		0.97	U	0.17	0.97
2-Butanone (MEK)		4.9	U	0.61	4.9
1,1,1-Trichloroethane		0.97	U	0.13	0.97
Carbon tetrachloride		0.97	U	0.15	0.97
Dichlorobromomethane		0.97	U	0.31	0.97
1,2-Dichloropropane		0.97	U	0.15	0.97
cis-1,3-Dichloropropene		0.97	U	0.14	0.97
Trichloroethene		0.97	U	0.12	0.97
Chlorodibromomethane		0.97	U	0.097	0.97
1,1,2-Trichloroethane		0.97	U	0.14	0.97
Benzene		0.97	U	0.15	0.97
trans-1,3-Dichloropropene		0.97	U	0.097	0.97
Bromoform		0.97	U	0.17	0.97
4-Methyl-2-pentanone (MIBK)		4.9	U	0.19	4.9
2-Hexanone		4.9	U	0.13	4.9
Tetrachloroethene		0.97	U	0.12	0.97
1,1,2,2-Tetrachloroethane		0.97	U	0.087	0.97
Toluene		0.33	J B	0.14	0.97
Chlorobenzene		0.97	U	0.17	0.97
Ethylbenzene		0.97	U	0.17	0.97
Styrene		0.97	U	0.27	0.97
m-Xylene & p-Xylene		0.97	U	0.57	0.97
o-Xylene		0.97	U	0.18	0.97
1,1,2-Trichloro-1,2,2-trifluoroethane		0.97	U	0.11	0.97
Methyl tert-butyl ether		0.97	U	0.11	0.97
Cyclohexane		0.97	U	0.13	0.97
Ethylene Dibromide		0.97	U	0.15	0.97
1,3-Dichlorobenzene		0.97	U	0.16	0.97
1,4-Dichlorobenzene		0.97	U	0.11	0.97
1,2-Dichlorobenzene		0.97	U	0.097	0.97
Dichlorodifluoromethane		0.97	U	0.21	0.97
1,2,4-Trichlorobenzene		0.97	U	0.18	0.97
1,4-Dioxane		19	U	12	19

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30462.D
Dilution:	1.0			Initial Weight/Volume:	5.316 g
Analysis Date:	08/08/2014 0029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.97	U	0.16	0.97
1,2-Dibromo-3-Chloropropane		0.97	U	0.43	0.97
Chlorobromomethane		0.97	U	0.11	0.97
Isopropylbenzene		0.97	U	0.11	0.97
Methyl acetate		4.9	U	0.31	4.9
Methylcyclohexane		0.97	U	0.097	0.97

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene	111		70 - 130
Dibromofluoromethane (Surr)	113		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30462.D
Dilution:	1.0			Initial Weight/Volume:	5.316 g
Analysis Date:	08/08/2014 0029			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2022				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30463.D
Dilution:	1.0			Initial Weight/Volume:	5.325 g
Analysis Date:	08/08/2014 0053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane	0.97	U	0.15	0.97
Bromomethane	0.97	U	0.42	0.97
Vinyl chloride	0.97	U	0.33	0.97
Chloroethane	0.97	U	0.32	0.97
Methylene Chloride	0.97	U *	0.15	0.97
Acetone	4.8	U	1.6	4.8
Carbon disulfide	0.97	U	0.15	0.97
Trichlorofluoromethane	0.97	U	0.15	0.97
1,1-Dichloroethene	0.97	U	0.18	0.97
1,1-Dichloroethane	0.97	U	0.11	0.97
trans-1,2-Dichloroethene	0.97	U	0.13	0.97
cis-1,2-Dichloroethene	0.97	U	0.11	0.97
Chloroform	0.97	U	0.23	0.97
1,2-Dichloroethane	0.97	U	0.17	0.97
2-Butanone (MEK)	4.8	U	0.61	4.8
1,1,1-Trichloroethane	0.97	U	0.13	0.97
Carbon tetrachloride	0.97	U	0.15	0.97
Dichlorobromomethane	0.97	U	0.31	0.97
1,2-Dichloropropane	0.97	U	0.15	0.97
cis-1,3-Dichloropropene	0.97	U	0.14	0.97
Trichloroethene	0.97	U	0.12	0.97
Chlorodibromomethane	0.97	U	0.097	0.97
1,1,2-Trichloroethane	0.97	U	0.14	0.97
Benzene	0.97	U	0.15	0.97
trans-1,3-Dichloropropene	0.97	U	0.097	0.97
Bromoform	0.97	U	0.16	0.97
4-Methyl-2-pentanone (MIBK)	4.8	U	0.19	4.8
2-Hexanone	4.8	U	0.13	4.8
Tetrachloroethene	0.97	U	0.12	0.97
1,1,2,2-Tetrachloroethane	0.97	U	0.087	0.97
Toluene	0.42	J B	0.14	0.97
Chlorobenzene	0.97	U	0.17	0.97
Ethylbenzene	0.97	U	0.16	0.97
Styrene	0.97	U	0.27	0.97
m-Xylene & p-Xylene	0.97	U	0.57	0.97
o-Xylene	0.97	U	0.18	0.97
1,1,2-Trichloro-1,2,2-trifluoroethane	0.97	U	0.11	0.97
Methyl tert-butyl ether	0.97	U	0.11	0.97
Cyclohexane	0.97	U	0.13	0.97
Ethylene Dibromide	0.97	U	0.15	0.97
1,3-Dichlorobenzene	0.97	U	0.15	0.97
1,4-Dichlorobenzene	0.97	U	0.11	0.97
1,2-Dichlorobenzene	0.97	U	0.097	0.97
Dichlorodifluoromethane	0.97	U	0.21	0.97
1,2,4-Trichlorobenzene	0.97	U	0.18	0.97
1,4-Dioxane	19	U	12	19

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30463.D
Dilution:	1.0			Initial Weight/Volume:	5.325 g
Analysis Date:	08/08/2014 0053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.97	U	0.15	0.97
1,2-Dibromo-3-Chloropropane		0.97	U	0.43	0.97
Chlorobromomethane		0.97	U	0.11	0.97
Isopropylbenzene		0.97	U	0.11	0.97
Methyl acetate		4.8	U	0.31	4.8
Methylcyclohexane		0.97	U	0.097	0.97

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene	109		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30463.D
Dilution:	1.0			Initial Weight/Volume:	5.325 g
Analysis Date:	08/08/2014 0053			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30464.D
Dilution:	1.0			Initial Weight/Volume:	5.334 g
Analysis Date:	08/08/2014 0118			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane	0.98	U	0.16	0.98
Bromomethane	0.98	U	0.42	0.98
Vinyl chloride	0.98	U	0.33	0.98
Chloroethane	0.98	U	0.32	0.98
Methylene Chloride	0.98	U *	0.15	0.98
Acetone	4.9	U	1.7	4.9
Carbon disulfide	0.98	U	0.15	0.98
Trichlorofluoromethane	0.98	U	0.16	0.98
1,1-Dichloroethene	0.98	U	0.19	0.98
1,1-Dichloroethane	0.98	U	0.11	0.98
trans-1,2-Dichloroethene	0.98	U	0.13	0.98
cis-1,2-Dichloroethene	0.98	U	0.11	0.98
Chloroform	0.98	U	0.23	0.98
1,2-Dichloroethane	0.98	U	0.18	0.98
2-Butanone (MEK)	4.9	U	0.62	4.9
1,1,1-Trichloroethane	0.98	U	0.13	0.98
Carbon tetrachloride	0.98	U	0.15	0.98
Dichlorobromomethane	0.98	U	0.31	0.98
1,2-Dichloropropane	0.98	U	0.15	0.98
cis-1,3-Dichloropropene	0.98	U	0.14	0.98
Trichloroethene	0.98	U	0.12	0.98
Chlorodibromomethane	0.98	U	0.098	0.98
1,1,2-Trichloroethane	0.98	U	0.14	0.98
Benzene	0.98	U	0.15	0.98
trans-1,3-Dichloropropene	0.98	U	0.098	0.98
Bromoform	0.98	U	0.17	0.98
4-Methyl-2-pentanone (MIBK)	4.9	U	0.20	4.9
2-Hexanone	4.9	U	0.13	4.9
Tetrachloroethene	0.98	U	0.12	0.98
1,1,2,2-Tetrachloroethane	0.98	U	0.088	0.98
Toluene	0.36	J B	0.14	0.98
Chlorobenzene	0.98	U	0.18	0.98
Ethylbenzene	0.98	U	0.17	0.98
Styrene	0.98	U	0.27	0.98
m-Xylene & p-Xylene	0.98	U	0.58	0.98
o-Xylene	0.98	U	0.19	0.98
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	U	0.11	0.98
Methyl tert-butyl ether	0.98	U	0.11	0.98
Cyclohexane	0.98	U	0.13	0.98
Ethylene Dibromide	0.98	U	0.15	0.98
1,3-Dichlorobenzene	0.98	U	0.16	0.98
1,4-Dichlorobenzene	0.98	U	0.11	0.98
1,2-Dichlorobenzene	0.98	U	0.098	0.98
Dichlorodifluoromethane	0.98	U	0.21	0.98
1,2,4-Trichlorobenzene	0.98	U	0.19	0.98
1,4-Dioxane	20	U	12	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30464.D
Dilution:	1.0			Initial Weight/Volume:	5.334 g
Analysis Date:	08/08/2014 0118			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.98	U	0.16	0.98
1,2-Dibromo-3-Chloropropane		0.98	U	0.43	0.98
Chlorobromomethane		0.98	U	0.11	0.98
Isopropylbenzene		0.98	U	0.11	0.98
Methyl acetate		4.9	U	0.31	4.9
Methylcyclohexane		0.98	U	0.098	0.98

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	91		70 - 130
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30464.D
Dilution:	1.0			Initial Weight/Volume:	5.334 g
Analysis Date:	08/08/2014 0118			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2023				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30465.D
Dilution:	1.0			Initial Weight/Volume:	5.116 g
Analysis Date:	08/08/2014 0142			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		1.9	B *	0.15	1.0
Acetone		5.1	U	1.7	5.1
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
1,2-Dichloroethane		1.0	U	0.18	1.0
2-Butanone (MEK)		5.1	U	0.64	5.1
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Dichlorobromomethane		1.0	U	0.32	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
Trichloroethene		1.0	U	0.12	1.0
Chlorodibromomethane		1.0	U	0.10	1.0
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Benzene		1.0	U	0.15	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
Bromoform		1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)		5.1	U	0.20	5.1
2-Hexanone		5.1	U	0.13	5.1
Tetrachloroethene		1.0	U	0.12	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0
Toluene		0.51	J B	0.14	1.0
Chlorobenzene		1.0	U	0.18	1.0
Ethylbenzene		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m-Xylene & p-Xylene		1.0	U	0.60	1.0
o-Xylene		1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U	0.11	1.0
Methyl tert-butyl ether		1.0	U	0.11	1.0
Cyclohexane		1.0	U	0.13	1.0
Ethylene Dibromide		1.0	U	0.15	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,4-Dioxane		20	U	13	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30465.D
Dilution:	1.0			Initial Weight/Volume:	5.116 g
Analysis Date:	08/08/2014 0142			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
Chlorobromomethane		1.0	U	0.11	1.0
Isopropylbenzene		1.0	U	0.11	1.0
Methyl acetate		5.1	U	0.32	5.1
Methylcyclohexane		1.0	U	0.10	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	88		70 - 130
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30465.D
Dilution:	1.0			Initial Weight/Volume:	5.116 g
Analysis Date:	08/08/2014 0142			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30466.D
Dilution:	1.0			Initial Weight/Volume:	4.738 g
Analysis Date:	08/08/2014 0207			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.17	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		1.1	U *	0.16	1.1
Acetone		5.4	U	1.8	5.4
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.17	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
1,2-Dichloroethane		1.1	U	0.20	1.1
2-Butanone (MEK)		5.4	U	0.69	5.4
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Dichlorobromomethane		1.1	U	0.35	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Trichloroethene		1.1	U	0.13	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Benzene		1.1	U	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
Bromoform		1.1	U	0.19	1.1
4-Methyl-2-pentanone (MIBK)		5.4	U	0.22	5.4
2-Hexanone		5.4	U	0.14	5.4
Tetrachloroethene		1.1	U	0.13	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.098	1.1
Toluene		0.45	J B	0.15	1.1
Chlorobenzene		1.1	U	0.20	1.1
Ethylbenzene		1.1	U	0.19	1.1
Styrene		1.1	U	0.30	1.1
m-Xylene & p-Xylene		1.1	U	0.64	1.1
o-Xylene		1.1	U	0.21	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
Methyl tert-butyl ether		1.1	U	0.12	1.1
Cyclohexane		1.1	U	0.14	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.17	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,4-Dioxane		22	U	14	22

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30466.D
Dilution:	1.0			Initial Weight/Volume:	4.738 g
Analysis Date:	08/08/2014 0207			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.1	U	0.17	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.4	U	0.35	5.4
Methylcyclohexane		1.1	U	0.11	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene	112		70 - 130
Dibromofluoromethane (Surr)	116		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30466.D
Dilution:	1.0			Initial Weight/Volume:	4.738 g
Analysis Date:	08/08/2014 0207			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2024				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30467.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	08/08/2014 0231			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.19	1.2
Bromomethane		1.2	U	0.51	1.2
Vinyl chloride		1.2	U	0.40	1.2
Chloroethane		1.2	U	0.39	1.2
Methylene Chloride		1.2	U *	0.18	1.2
Acetone		6.0	U	2.0	6.0
Carbon disulfide		1.2	U	0.18	1.2
Trichlorofluoromethane		1.2	U	0.19	1.2
1,1-Dichloroethene		1.2	U	0.23	1.2
1,1-Dichloroethane		1.2	U	0.13	1.2
trans-1,2-Dichloroethene		1.2	U	0.15	1.2
cis-1,2-Dichloroethene		1.2	U	0.13	1.2
Chloroform		1.2	U	0.29	1.2
1,2-Dichloroethane		1.2	U	0.21	1.2
2-Butanone (MEK)		6.0	U	0.75	6.0
1,1,1-Trichloroethane		1.2	U	0.15	1.2
Carbon tetrachloride		1.2	U	0.18	1.2
Dichlorobromomethane		1.2	U	0.38	1.2
1,2-Dichloropropane		1.2	U	0.18	1.2
cis-1,3-Dichloropropene		1.2	U	0.17	1.2
Trichloroethene		1.2	U	0.14	1.2
Chlorodibromomethane		1.2	U	0.12	1.2
1,1,2-Trichloroethane		1.2	U	0.17	1.2
Benzene		1.2	U	0.18	1.2
trans-1,3-Dichloropropene		1.2	U	0.12	1.2
Bromoform		1.2	U	0.20	1.2
4-Methyl-2-pentanone (MIBK)		6.0	U	0.24	6.0
2-Hexanone		6.0	U	0.15	6.0
Tetrachloroethene		1.2	U	0.14	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.11	1.2
Toluene		0.41	J B	0.17	1.2
Chlorobenzene		1.2	U	0.21	1.2
Ethylbenzene		1.2	U	0.20	1.2
Styrene		1.2	U	0.33	1.2
m-Xylene & p-Xylene		1.2	U	0.70	1.2
o-Xylene		1.2	U	0.23	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane		1.2	U	0.13	1.2
Methyl tert-butyl ether		1.2	U	0.13	1.2
Cyclohexane		1.2	U	0.15	1.2
Ethylene Dibromide		1.2	U	0.18	1.2
1,3-Dichlorobenzene		1.2	U	0.19	1.2
1,4-Dichlorobenzene		1.2	U	0.13	1.2
1,2-Dichlorobenzene		1.2	U	0.12	1.2
Dichlorodifluoromethane		1.2	U	0.26	1.2
1,2,4-Trichlorobenzene		1.2	U	0.23	1.2
1,4-Dioxane		24	U	15	24

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30467.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	08/08/2014 0231			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		1.2	U	0.19	1.2
1,2-Dibromo-3-Chloropropane		1.2	U	0.52	1.2
Chlorobromomethane		1.2	U	0.13	1.2
Isopropylbenzene		1.2	U	0.13	1.2
Methyl acetate		6.0	U	0.38	6.0
Methylcyclohexane		1.2	U	0.12	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	86		70 - 130
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30467.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	08/08/2014 0231			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30468.D
Dilution:	1.0			Initial Weight/Volume:	5.581 g
Analysis Date:	08/08/2014 0256			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Analyte DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane	0.98	U	0.16	0.98
Bromomethane	0.98	U	0.42	0.98
Vinyl chloride	0.98	U	0.33	0.98
Chloroethane	0.98	U	0.32	0.98
Methylene Chloride	1.4	B *	0.15	0.98
Acetone	4.9	U	1.6	4.9
Carbon disulfide	0.98	U	0.15	0.98
Trichlorofluoromethane	0.98	U	0.16	0.98
1,1-Dichloroethene	0.98	U	0.19	0.98
1,1-Dichloroethane	0.98	U	0.11	0.98
trans-1,2-Dichloroethene	0.98	U	0.13	0.98
cis-1,2-Dichloroethene	0.98	U	0.11	0.98
Chloroform	0.98	U	0.23	0.98
1,2-Dichloroethane	0.98	U	0.18	0.98
2-Butanone (MEK)	4.9	U	0.61	4.9
1,1,1-Trichloroethane	0.98	U	0.13	0.98
Carbon tetrachloride	0.98	U	0.15	0.98
Dichlorobromomethane	0.98	U	0.31	0.98
1,2-Dichloropropane	0.98	U	0.15	0.98
cis-1,3-Dichloropropene	0.98	U	0.14	0.98
Trichloroethene	0.98	U	0.12	0.98
Chlorodibromomethane	0.98	U	0.098	0.98
1,1,2-Trichloroethane	0.98	U	0.14	0.98
Benzene	0.98	U	0.15	0.98
trans-1,3-Dichloropropene	0.98	U	0.098	0.98
Bromoform	0.98	U	0.17	0.98
4-Methyl-2-pentanone (MIBK)	4.9	U	0.20	4.9
2-Hexanone	4.9	U	0.13	4.9
Tetrachloroethene	0.98	U	0.12	0.98
1,1,2,2-Tetrachloroethane	0.98	U	0.088	0.98
Toluene	0.67	J B	0.14	0.98
Chlorobenzene	0.98	U	0.18	0.98
Ethylbenzene	0.98	U	0.17	0.98
Styrene	0.98	U	0.27	0.98
m-Xylene & p-Xylene	0.98	U	0.58	0.98
o-Xylene	0.98	U	0.19	0.98
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	U	0.11	0.98
Methyl tert-butyl ether	0.98	U	0.11	0.98
Cyclohexane	0.98	U	0.13	0.98
Ethylene Dibromide	0.98	U	0.15	0.98
1,3-Dichlorobenzene	0.98	U	0.16	0.98
1,4-Dichlorobenzene	0.98	U	0.11	0.98
1,2-Dichlorobenzene	0.98	U	0.098	0.98
Dichlorodifluoromethane	0.98	U	0.21	0.98
1,2,4-Trichlorobenzene	0.98	U	0.19	0.98
1,4-Dioxane	20	U	12	20

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30468.D
Dilution:	1.0			Initial Weight/Volume:	5.581 g
Analysis Date:	08/08/2014 0256			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		0.98	U	0.16	0.98
1,2-Dibromo-3-Chloropropane		0.98	U	0.43	0.98
Chlorobromomethane		0.98	U	0.11	0.98
Isopropylbenzene		0.98	U	0.11	0.98
Methyl acetate		4.9	U	0.31	4.9
Methylcyclohexane		0.98	U	0.098	0.98

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane (Surr)	111		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Prep Method:	5035	Prep Batch:	460-240870	Lab File ID:	K30468.D
Dilution:	1.0			Initial Weight/Volume:	5.581 g
Analysis Date:	08/08/2014 0256			Final Weight/Volume:	5 mL
Prep Date:	08/05/2014 2025				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **TB0804**

Lab Sample ID: 460-80555-18TB

Client Matrix: Water

Date Sampled: 08/04/2014 0700

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1212			Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1212				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.060	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,4-Dioxane	50	U	36	50
2-Butanone (MEK)	5.0	U	2.3	5.0
2-Hexanone	5.0	U	0.50	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Acetone	16		2.7	5.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Chlorobenzene	1.0	U	0.11	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Chloroethane	1.0	U	0.17	1.0
Chloroform	1.0	U	0.080	1.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Cyclohexane	1.0	U	0.16	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.10	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	5.0	U	0.34	5.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Methylene Chloride	1.0	U	0.18	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
o-Xylene	1.0	U	0.13	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Toluene	1.0	U	0.15	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **TB0804**

Lab Sample ID: 460-80555-18TB

Client Matrix: Water

Date Sampled: 08/04/2014 0700

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1212			Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1212				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichloroethene	1.0	U	0.090	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
4-Bromofluorobenzene	111		64 - 135
Dibromofluoromethane (Surr)	112		72 - 137
Toluene-d8 (Surr)	99		70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **TB0804**

Lab Sample ID: 460-80555-18TB

Client Matrix: Water

Date Sampled: 08/04/2014 0700

Date Received: 08/05/2014 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B71934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1212			Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1212				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3655.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1254			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	47	350
1,2,4,5-Tetrachlorobenzene		350	U	48	350
2,2'-oxybis[1-chloropropane]		350	U	39	350
2,3,4,6-Tetrachlorophenol		350	U	46	350
2,4,5-Trichlorophenol		350	U	46	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	52	350
2,4-Dimethylphenol		350	U	87	350
2,4-Dinitrophenol		720	U	200	720
2,4-Dinitrotoluene		72	U	12	72
2,6-Dinitrotoluene		72	U	11	72
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	47	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	60	350
2-Nitroaniline		350	U	150	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	130	350
4,6-Dinitro-2-methylphenol		720	U	96	720
4-Bromophenyl phenyl ether		350	U	35	350
4-Chloro-3-methylphenol		350	U	53	350
4-Chloroaniline		350	U	94	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	70	350
4-Nitroaniline		720	U	110	720
4-Nitrophenol		350	U	230	350
Acenaphthene		350	U	52	350
Acenaphthylene		350	U	42	350
Acetophenone		350	U	54	350
Anthracene		350	U	43	350
Atrazine		350	U	55	350
Benzaldehyde		350	U	42	350
Benzo[a]anthracene		35	U	2.5	35
Benzo[a]pyrene		7.9	J	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.7	35
Bis(2-chloroethoxy)methane		350	U	46	350
Bis(2-chloroethyl)ether		35	U	4.8	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	81	350
Carbazole		350	U	42	350
Chrysene		350	U	41	350
Dibenz(a,h)anthracene		35	U	4.5	35

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3655.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1254			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	42	350
Dimethyl phthalate		350	U	42	350
Di-n-butyl phthalate		350	U	44	350
Di-n-octyl phthalate		350	U	23	350
Fluoranthene		350	U	47	350
Fluorene		350	U	45	350
Hexachlorobenzene		35	U	4.8	35
Hexachlorobutadiene		72	U	8.6	72
Hexachlorocyclopentadiene		350	U	42	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.6	35
Isophorone		350	U	43	350
Naphthalene		350	U	41	350
Nitrobenzene		35	U *	5.0	35
N-Nitrosodi-n-propylamine		35	U	5.9	35
N-Nitrosodiphenylamine		350	U	35	350
Pentachlorophenol		720	U	110	720
Phenanthrene		350	U	45	350
Phenol		350	U	47	350
Pyrene		350	U	30	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64		19 - 114
2-Fluorobiphenyl	68		49 - 112
2-Fluorophenol (Surr)	59		39 - 103
Nitrobenzene-d5 (Surr)	69		40 - 106
Phenol-d5 (Surr)	67		44 - 104
Terphenyl-d14 (Surr)	88		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3655.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1254			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2 | Date Sampled: 08/04/2014 0730
Client Matrix: Solid | % Moisture: 3.8 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3646.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/09/2014 0926			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3646.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/09/2014 0926			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	78		19 - 114
2-Fluorobiphenyl	71		49 - 112
2-Fluorophenol (Surr)	64		39 - 103
Nitrobenzene-d5 (Surr)	73		40 - 106
Phenol-d5 (Surr)	66		44 - 104
Terphenyl-d14 (Surr)	92		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3646.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/09/2014 0926			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
101-72-4	1,4-Benzenediamine, N-(1-methylethyl)-N'	9.54	410	J N

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3 | Date Sampled: 08/04/2014 0800
Client Matrix: Solid | % Moisture: 3.2 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3675.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1521			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	51	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		120		2.4	34
Benzo[a]pyrene		92		2.4	34
Benzo[b]fluoranthene		170		2.2	34
Benzo[g,h,i]perylene		75	J	25	340
Benzo[k]fluoranthene		60		2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		130	J	40	340
Dibenz(a,h)anthracene		16	J	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3675.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1521			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		240	J	45	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		81		6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	39	340
Nitrobenzene		34	U *	4.8	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		140	J	43	340
Phenol		340	U	46	340
Pyrene		200	J	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	39		19 - 114
2-Fluorobiphenyl	70		49 - 112
2-Fluorophenol (Surr)	59		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	65		44 - 104
Terphenyl-d14 (Surr)	82		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3675.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1521			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.73	390	J

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3647.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 0949			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		360	U	48	360
1,2,4,5-Tetrachlorobenzene		360	U	49	360
2,2'-oxybis[1-chloropropane]		360	U	40	360
2,3,4,6-Tetrachlorophenol		360	U	47	360
2,4,5-Trichlorophenol		360	U	47	360
2,4,6-Trichlorophenol		360	U	42	360
2,4-Dichlorophenol		360	U	53	360
2,4-Dimethylphenol		360	U	89	360
2,4-Dinitrophenol		730	U	200	730
2,4-Dinitrotoluene		73	U	12	73
2,6-Dinitrotoluene		73	U	11	73
2-Chloronaphthalene		360	U	40	360
2-Chlorophenol		360	U	47	360
2-Methylnaphthalene		360	U	46	360
2-Methylphenol		360	U	61	360
2-Nitroaniline		360	U	150	360
2-Nitrophenol		360	U	40	360
3,3'-Dichlorobenzidine		360	U	130	360
3-Nitroaniline		360	U	130	360
4,6-Dinitro-2-methylphenol		730	U	98	730
4-Bromophenyl phenyl ether		360	U	36	360
4-Chloro-3-methylphenol		360	U	54	360
4-Chloroaniline		360	U	95	360
4-Chlorophenyl phenyl ether		360	U	42	360
4-Methylphenol		360	U	71	360
4-Nitroaniline		730	U	110	730
4-Nitrophenol		360	U	230	360
Acenaphthene		360	U	53	360
Acenaphthylene		360	U	43	360
Acetophenone		360	U	55	360
Anthracene		360	U	44	360
Atrazine		360	U	56	360
Benzaldehyde		360	U	42	360
Benzo[a]anthracene		36	U	2.5	36
Benzo[a]pyrene		36	U	2.6	36
Benzo[b]fluoranthene		36	U	2.3	36
Benzo[g,h,i]perylene		360	U	27	360
Benzo[k]fluoranthene		36	U	2.7	36
Bis(2-chloroethoxy)methane		360	U	47	360
Bis(2-chloroethyl)ether		36	U	4.9	36
Bis(2-ethylhexyl) phthalate		360	U	120	360
Butyl benzyl phthalate		360	U	33	360
Caprolactam		360	U	83	360
Carbazole		360	U	43	360
Chrysene		360	U	42	360
Dibenz(a,h)anthracene		36	U	4.5	36

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3647.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 0949			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		360	U	42	360
Diethyl phthalate		360	U	43	360
Dimethyl phthalate		360	U	43	360
Di-n-butyl phthalate		360	U	44	360
Di-n-octyl phthalate		360	U	23	360
Fluoranthene		360	U	48	360
Fluorene		360	U	46	360
Hexachlorobenzene		36	U	4.9	36
Hexachlorobutadiene		73	U	8.8	73
Hexachlorocyclopentadiene		360	U	42	360
Hexachloroethane		36	U	4.0	36
Indeno[1,2,3-cd]pyrene		36	U	6.7	36
Isophorone		360	U	44	360
Naphthalene		360	U	42	360
Nitrobenzene		36	U *	5.1	36
N-Nitrosodi-n-propylamine		36	U	6.0	36
N-Nitrosodiphenylamine		360	U	36	360
Pentachlorophenol		730	U	110	730
Phenanthrene		360	U	46	360
Phenol		360	U	48	360
Pyrene		360	U	30	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	69		19 - 114
2-Fluorobiphenyl	71		49 - 112
2-Fluorophenol (Surr)	60		39 - 103
Nitrobenzene-d5 (Surr)	71		40 - 106
Phenol-d5 (Surr)	66		44 - 104
Terphenyl-d14 (Surr)	86		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3647.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 0949			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	8.33	360	J
101-72-4	1,4-Benzenediamine, N-(1-methylethyl)-N'	9.54	940	J N

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3676.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1544			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		390	U	52	390
1,2,4,5-Tetrachlorobenzene		390	U	52	390
2,2'-oxybis[1-chloropropane]		390	U	43	390
2,3,4,6-Tetrachlorophenol		390	U	51	390
2,4,5-Trichlorophenol		390	U	50	390
2,4,6-Trichlorophenol		390	U	46	390
2,4-Dichlorophenol		390	U	57	390
2,4-Dimethylphenol		390	U	96	390
2,4-Dinitrophenol		790	U	220	790
2,4-Dinitrotoluene		79	U	13	79
2,6-Dinitrotoluene		79	U	12	79
2-Chloronaphthalene		390	U	44	390
2-Chlorophenol		390	U	51	390
2-Methylnaphthalene		390	U	50	390
2-Methylphenol		390	U	67	390
2-Nitroaniline		390	U	160	390
2-Nitrophenol		390	U	44	390
3,3'-Dichlorobenzidine		390	U	140	390
3-Nitroaniline		390	U	140	390
4,6-Dinitro-2-methylphenol		790	U	110	790
4-Bromophenyl phenyl ether		390	U	39	390
4-Chloro-3-methylphenol		390	U	59	390
4-Chloroaniline		390	U	100	390
4-Chlorophenyl phenyl ether		390	U	46	390
4-Methylphenol		390	U	77	390
4-Nitroaniline		790	U	120	790
4-Nitrophenol		390	U	250	390
Acenaphthene		390	U	57	390
Acenaphthylene		390	U	46	390
Acetophenone		390	U	60	390
Anthracene		390	U	47	390
Atrazine		390	U	60	390
Benzaldehyde		390	U	46	390
Benzo[a]anthracene		91		2.7	39
Benzo[a]pyrene		81		2.8	39
Benzo[b]fluoranthene		110		2.5	39
Benzo[g,h,i]perylene		55	J	29	390
Benzo[k]fluoranthene		50		3.0	39
Bis(2-chloroethoxy)methane		390	U	50	390
Bis(2-chloroethyl)ether		39	U	5.3	39
Bis(2-ethylhexyl) phthalate		390	U	130	390
Butyl benzyl phthalate		390	U	36	390
Caprolactam		390	U	90	390
Carbazole		390	U	46	390
Chrysene		92	J	46	390
Dibenz(a,h)anthracene		13	J	4.9	39

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3676.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1544			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	46	390
Dimethyl phthalate		390	U	46	390
Di-n-butyl phthalate		390	U	48	390
Di-n-octyl phthalate		390	U	25	390
Fluoranthene		190	J	52	390
Fluorene		390	U	50	390
Hexachlorobenzene		39	U	5.3	39
Hexachlorobutadiene		79	U	9.5	79
Hexachlorocyclopentadiene		390	U	46	390
Hexachloroethane		39	U	4.3	39
Indeno[1,2,3-cd]pyrene		58		7.3	39
Isophorone		84	J	47	390
Naphthalene		390	U	45	390
Nitrobenzene		39	U *	5.5	39
N-Nitrosodi-n-propylamine		39	U	6.5	39
N-Nitrosodiphenylamine		390	U	38	390
Pentachlorophenol		790	U	120	790
Phenanthrene		110	J	50	390
Phenol		390	U	52	390
Pyrene		150	J	33	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	34		19 - 114
2-Fluorobiphenyl	65		49 - 112
2-Fluorophenol (Surr)	50		39 - 103
Nitrobenzene-d5 (Surr)	64		40 - 106
Phenol-d5 (Surr)	59		44 - 104
Terphenyl-d14 (Surr)	70		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3676.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1544			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.73	420	J

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6 | Date Sampled: 08/04/2014 0900
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3677.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/10/2014 1607			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		370	U	49	370
1,2,4,5-Tetrachlorobenzene		370	U	50	370
2,2'-oxybis[1-chloropropane]		370	U	41	370
2,3,4,6-Tetrachlorophenol		370	U	48	370
2,4,5-Trichlorophenol		370	U	48	370
2,4,6-Trichlorophenol		370	U	43	370
2,4-Dichlorophenol		370	U	54	370
2,4-Dimethylphenol		370	U	91	370
2,4-Dinitrophenol		750	U	210	750
2,4-Dinitrotoluene		75	U	12	75
2,6-Dinitrotoluene		75	U	11	75
2-Chloronaphthalene		370	U	41	370
2-Chlorophenol		370	U	48	370
2-Methylnaphthalene		370	U	47	370
2-Methylphenol		370	U	63	370
2-Nitroaniline		370	U	150	370
2-Nitrophenol		370	U	41	370
3,3'-Dichlorobenzidine		370	U	130	370
3-Nitroaniline		370	U	130	370
4,6-Dinitro-2-methylphenol		750	U	100	750
4-Bromophenyl phenyl ether		370	U	37	370
4-Chloro-3-methylphenol		370	U	56	370
4-Chloroaniline		370	U	98	370
4-Chlorophenyl phenyl ether		370	U	43	370
4-Methylphenol		370	U	73	370
4-Nitroaniline		750	U	110	750
4-Nitrophenol		370	U	240	370
Acenaphthene		97	J	54	370
Acenaphthylene		370	U	44	370
Acetophenone		370	U	57	370
Anthracene		190	J	45	370
Atrazine		370	U	57	370
Benzaldehyde		370	U	43	370
Benzo[a]anthracene		400		2.6	37
Benzo[a]pyrene		350		2.6	37
Benzo[b]fluoranthene		520		2.3	37
Benzo[g,h,i]perylene		240	J	27	370
Benzo[k]fluoranthene		160		2.8	37
Bis(2-chloroethoxy)methane		370	U	48	370
Bis(2-chloroethyl)ether		37	U	5.0	37
Bis(2-ethylhexyl) phthalate		370	U	120	370
Butyl benzyl phthalate		370	U	34	370
Caprolactam		370	U	85	370
Carbazole		110	J	44	370
Chrysene		380		43	370
Dibenz(a,h)anthracene		62		4.6	37

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3677.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/10/2014 1607			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		81	J	43	370
Diethyl phthalate		370	U	44	370
Dimethyl phthalate		370	U	44	370
Di-n-butyl phthalate		370	U	45	370
Di-n-octyl phthalate		370	U	24	370
Fluoranthene		920		49	370
Fluorene		130	J	47	370
Hexachlorobenzene		37	U	5.0	37
Hexachlorobutadiene		75	U	9.0	75
Hexachlorocyclopentadiene		370	U	43	370
Hexachloroethane		37	U	4.1	37
Indeno[1,2,3-cd]pyrene		250		6.9	37
Isophorone		50	J	45	370
Naphthalene		140	J	43	370
Nitrobenzene		37	U *	5.2	37
N-Nitrosodi-n-propylamine		37	U	6.2	37
N-Nitrosodiphenylamine		370	U	36	370
Pentachlorophenol		750	U	110	750
Phenanthrene		800		47	370
Phenol		370	U	49	370
Pyrene		630		31	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	38		19 - 114
2-Fluorobiphenyl	72		49 - 112
2-Fluorophenol (Surr)	55		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	62		44 - 104
Terphenyl-d14 (Surr)	73		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3677.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/10/2014 1607			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.73	680	J
3892-00-0	Pentadecane, 2,6,10-trimethyl-	7.77	520	J N
111-06-8	Hexadecanoic acid, butyl ester	9.71	490	J N

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3648.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1012			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	47	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	140	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	95	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	51	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		35	U	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		350	U	41	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3648.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1012			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		350	U	46	350
Fluorene		350	U	44	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.5	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U *	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		350	U	44	350
Phenol		350	U	47	350
Pyrene		350	U	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	77		19 - 114
2-Fluorobiphenyl	68		49 - 112
2-Fluorophenol (Surr)	58		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	67		44 - 104
Terphenyl-d14 (Surr)	89		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3648.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1012			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8 | Date Sampled: 08/04/2014 1000
Client Matrix: Solid | % Moisture: 8.7 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3683.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1824			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		720	U	97	720
1,2,4,5-Tetrachlorobenzene		720	U	97	720
2,2'-oxybis[1-chloropropane]		720	U	80	720
2,3,4,6-Tetrachlorophenol		720	U	94	720
2,4,5-Trichlorophenol		720	U	93	720
2,4,6-Trichlorophenol		720	U	85	720
2,4-Dichlorophenol		720	U	110	720
2,4-Dimethylphenol		720	U	180	720
2,4-Dinitrophenol		1500	U	410	1500
2,4-Dinitrotoluene		150	U	24	150
2,6-Dinitrotoluene		150	U	22	150
2-Chloronaphthalene		720	U	81	720
2-Chlorophenol		720	U	95	720
2-Methylnaphthalene		720	U	93	720
2-Methylphenol		720	U	120	720
2-Nitroaniline		720	U	300	720
2-Nitrophenol		720	U	81	720
3,3'-Dichlorobenzidine		720	U	250	720
3-Nitroaniline		720	U	260	720
4,6-Dinitro-2-methylphenol		1500	U	200	1500
4-Bromophenyl phenyl ether		720	U	72	720
4-Chloro-3-methylphenol		720	U	110	720
4-Chloroaniline		720	U	190	720
4-Chlorophenyl phenyl ether		720	U	85	720
4-Methylphenol		720	U	140	720
4-Nitroaniline		1500	U	230	1500
4-Nitrophenol		720	U	470	720
Acenaphthene		720	U	110	720
Acenaphthylene		720	U	86	720
Acetophenone		720	U	110	720
Anthracene		720	U	88	720
Atrazine		720	U	110	720
Benzaldehyde		720	U	85	720
Benzo[a]anthracene		190		5.1	72
Benzo[a]pyrene		170		5.1	72
Benzo[b]fluoranthene		240		4.6	72
Benzo[g,h,i]perylene		200	J	54	720
Benzo[k]fluoranthene		91		5.5	72
Bis(2-chloroethoxy)methane		720	U	93	720
Bis(2-chloroethyl)ether		72	U	9.9	72
Bis(2-ethylhexyl) phthalate		720	U	240	720
Butyl benzyl phthalate		720	U	66	720
Caprolactam		720	U	170	720
Carbazole		720	U	86	720
Chrysene		170	J	84	720
Dibenz(a,h)anthracene		47	J	9.1	72

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3683.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1824			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		720	U	85	720
Diethyl phthalate		720	U	86	720
Dimethyl phthalate		720	U	86	720
Di-n-butyl phthalate		720	U	89	720
Di-n-octyl phthalate		720	U	46	720
Fluoranthene		350	J	96	720
Fluorene		720	U	93	720
Hexachlorobenzene		72	U	9.9	72
Hexachlorobutadiene		150	U	18	150
Hexachlorocyclopentadiene		720	U	85	720
Hexachloroethane		72	U	8.1	72
Indeno[1,2,3-cd]pyrene		190		13	72
Isophorone		110	J	88	720
Naphthalene		720	U	84	720
Nitrobenzene		72	U *	10	72
N-Nitrosodi-n-propylamine		72	U	12	72
N-Nitrosodiphenylamine		720	U	71	720
Pentachlorophenol		1500	U	220	1500
Phenanthrene		170	J	92	720
Phenol		720	U	97	720
Pyrene		220	J	61	720

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	45		19 - 114
2-Fluorobiphenyl	68		49 - 112
2-Fluorophenol (Surr)	50		39 - 103
Nitrobenzene-d5 (Surr)	63		40 - 106
Phenol-d5 (Surr)	52		44 - 104
Terphenyl-d14 (Surr)	57		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3683.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1824			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.73	1000	J
	Unknown	8.79	950	J

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3649.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/09/2014 1035			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3649.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/09/2014 1035			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		33	J	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79		19 - 114
2-Fluorobiphenyl	69		49 - 112
2-Fluorophenol (Surr)	60		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	66		44 - 104
Terphenyl-d14 (Surr)	90		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3649.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/09/2014 1035			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	8.33	930	J
101-72-4	1,4-Benzenediamine, N-(1-methylethyl)-N'	9.32	650	J N
101-72-4	1,4-Benzenediamine, N-(1-methylethyl)-N'	9.54	1600	J N

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3678.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1630			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		350	U	46	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		350	U	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	140	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	95	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		350	U	51	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		350	U	42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		35	U	2.4	35
Benzo[a]pyrene		35	U	2.5	35
Benzo[b]fluoranthene		35	U	2.2	35
Benzo[g,h,i]perylene		350	U	26	350
Benzo[k]fluoranthene		35	U	2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		350	U	41	350
Chrysene		350	U	41	350
Dibenz(a,h)anthracene		35	U	4.4	35

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3678.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1630			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		350	U	41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		350	U	46	350
Fluorene		350	U	44	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		35	U	6.5	35
Isophorone		350	U	42	350
Naphthalene		350	U	40	350
Nitrobenzene		35	U *	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		350	U	44	350
Phenol		350	U	47	350
Pyrene		350	U	29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	57		19 - 114
2-Fluorobiphenyl	73		49 - 112
2-Fluorophenol (Surr)	55		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	59		44 - 104
Terphenyl-d14 (Surr)	71		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3678.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1630			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.84	640	J
36728-72-0	28-Nor-17.beta.(H)-hopane	13.43	1100	J N
	Unknown	13.82	1100	J

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11 | Date Sampled: 08/04/2014 1100
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3650.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1058			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3650.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1058			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	43	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79		19 - 114
2-Fluorobiphenyl	67		49 - 112
2-Fluorophenol (Surr)	58		39 - 103
Nitrobenzene-d5 (Surr)	66		40 - 106
Phenol-d5 (Surr)	63		44 - 104
Terphenyl-d14 (Surr)	85		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3650.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/09/2014 1058			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	8.33	330	J
793-24-8	1,4-Benzenediamine, N-(1,3-dimethylbutyl	10.39	2700	J N
103-23-1	Hexanedioic acid, bis(2-ethylhexyl) este	10.44	620	J N
	Unknown	11.84	710	J

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12 | Date Sampled: 08/04/2014 1145
Client Matrix: Solid | % Moisture: 3.0 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3679.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1652			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	51	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		23	J	2.4	34
Benzo[b]fluoranthene		30	J	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		12	J	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.6	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		5.7	J	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3679.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1652			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	45	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		19	J	6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	39	340
Nitrobenzene		34	U *	4.8	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	43	340
Phenol		340	U	46	340
Pyrene		38	J	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50		19 - 114
2-Fluorobiphenyl	75		49 - 112
2-Fluorophenol (Surr)	58		39 - 103
Nitrobenzene-d5 (Surr)	73		40 - 106
Phenol-d5 (Surr)	64		44 - 104
Terphenyl-d14 (Surr)	79		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3679.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/10/2014 1652			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13 | Date Sampled: 08/04/2014 1200
Client Matrix: Solid | % Moisture: 4.0 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3651.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1120			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	32	340
Caprolactam		340	U	79	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3651.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1120			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	78		19 - 114
2-Fluorobiphenyl	70		49 - 112
2-Fluorophenol (Surr)	61		39 - 103
Nitrobenzene-d5 (Surr)	72		40 - 106
Phenol-d5 (Surr)	67		44 - 104
Terphenyl-d14 (Surr)	89		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241640	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3651.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/09/2014 1120			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14 | Date Sampled: 08/04/2014 1300
Client Matrix: Solid | % Moisture: 3.5 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3680.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1715			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		15	J	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3680.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1715			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.4	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		10	J	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	33		19 - 114
2-Fluorobiphenyl	69		49 - 112
2-Fluorophenol (Surr)	53		39 - 103
Nitrobenzene-d5 (Surr)	66		40 - 106
Phenol-d5 (Surr)	56		44 - 104
Terphenyl-d14 (Surr)	66		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-240984	Lab File ID:	x3680.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/10/2014 1715			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15 | Date Sampled: 08/04/2014 1315
Client Matrix: Solid | % Moisture: 3.1 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152355.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/07/2014 0809			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	44	340
2,4,5-Trichlorophenol		340	U	44	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	50	340
2,4-Dimethylphenol		340	U	84	340
2,4-Dinitrophenol		690	U	190	690
2,4-Dinitrotoluene		69	U	11	69
2,6-Dinitrotoluene		69	U	10	69
2-Chloronaphthalene		340	U	38	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	58	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	38	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		690	U	93	690
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	51	340
4-Chloroaniline		340	U	90	340
4-Chlorophenyl phenyl ether		340	U	40	340
4-Methylphenol		340	U	67	340
4-Nitroaniline		690	U	110	690
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	40	340
Acetophenone		340	U	52	340
Anthracene		340	U	41	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	40	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		34	U	2.4	34
Benzo[b]fluoranthene		34	U	2.2	34
Benzo[g,h,i]perylene		340	U	25	340
Benzo[k]fluoranthene		34	U	2.6	34
Bis(2-chloroethoxy)methane		340	U	44	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	31	340
Caprolactam		340	U	79	340
Carbazole		340	U	40	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.3	34

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152355.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/07/2014 0809			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	40	340
Di-n-butyl phthalate		340	U	42	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	45	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		69	U	8.3	69
Hexachlorocyclopentadiene		340	U	40	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		34	U	6.3	34
Isophorone		340	U	41	340
Naphthalene		340	U	39	340
Nitrobenzene		34	U	4.8	34
N-Nitrosodi-n-propylamine		34	U	5.7	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		690	U	100	690
Phenanthrene		340	U	43	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71		19 - 114
2-Fluorobiphenyl	68		49 - 112
2-Fluorophenol (Surr)	67		39 - 103
Nitrobenzene-d5 (Surr)	70		40 - 106
Phenol-d5 (Surr)	71		44 - 104
Terphenyl-d14 (Surr)	90		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152355.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/07/2014 0809			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16 | Date Sampled: 08/04/2014 1400
Client Matrix: Solid | % Moisture: 5.0 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241297	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152384.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/07/2014 2145			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		53	J	47	350
1,2,4,5-Tetrachlorobenzene		350	U	47	350
2,2'-oxybis[1-chloropropane]		350	U	38	350
2,3,4,6-Tetrachlorophenol		350	U	45	350
2,4,5-Trichlorophenol		350	U	45	350
2,4,6-Trichlorophenol		350	U	41	350
2,4-Dichlorophenol		350	U	51	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		350	U	39	350
2-Chlorophenol		350	U	46	350
2-Methylnaphthalene		150	J	45	350
2-Methylphenol		350	U	59	350
2-Nitroaniline		350	U	140	350
2-Nitrophenol		350	U	39	350
3,3'-Dichlorobenzidine		350	U	120	350
3-Nitroaniline		350	U	120	350
4,6-Dinitro-2-methylphenol		700	U	95	700
4-Bromophenyl phenyl ether		350	U	34	350
4-Chloro-3-methylphenol		350	U	52	350
4-Chloroaniline		350	U	92	350
4-Chlorophenyl phenyl ether		350	U	41	350
4-Methylphenol		350	U	68	350
4-Nitroaniline		700	U	110	700
4-Nitrophenol		350	U	220	350
Acenaphthene		470		51	350
Acenaphthylene		350	U	41	350
Acetophenone		350	U	53	350
Anthracene		770		42	350
Atrazine		350	U	54	350
Benzaldehyde		350	U	41	350
Benzo[a]anthracene		1800		2.4	35
Benzo[a]pyrene		1700		2.5	35
Benzo[b]fluoranthene		2300		2.2	35
Benzo[g,h,i]perylene		1300		26	350
Benzo[k]fluoranthene		930		2.6	35
Bis(2-chloroethoxy)methane		350	U	45	350
Bis(2-chloroethyl)ether		35	U	4.7	35
Bis(2-ethylhexyl) phthalate		350	U	120	350
Butyl benzyl phthalate		350	U	32	350
Caprolactam		350	U	80	350
Carbazole		530		41	350
Chrysene		1900		41	350
Dibenz(a,h)anthracene		380		4.4	35

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241297	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152384.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/07/2014 2145			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		360		41	350
Diethyl phthalate		350	U	41	350
Dimethyl phthalate		350	U	41	350
Di-n-butyl phthalate		350	U	43	350
Di-n-octyl phthalate		350	U	22	350
Fluoranthene		3700		46	350
Fluorene		310	J	44	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorobutadiene		70	U	8.5	70
Hexachlorocyclopentadiene		350	U	41	350
Hexachloroethane		35	U	3.9	35
Indeno[1,2,3-cd]pyrene		1400		6.5	35
Isophorone		350	U	42	350
Naphthalene		320	J	40	350
Nitrobenzene		35	U	4.9	35
N-Nitrosodi-n-propylamine		35	U	5.8	35
N-Nitrosodiphenylamine		350	U	34	350
Pentachlorophenol		700	U	100	700
Phenanthrene		3600		44	350
Phenol		350	U	47	350
Pyrene		3500		29	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50		19 - 114
2-Fluorobiphenyl	72		49 - 112
2-Fluorophenol (Surr)	59		39 - 103
Nitrobenzene-d5 (Surr)	68		40 - 106
Phenol-d5 (Surr)	62		44 - 104
Terphenyl-d14 (Surr)	77		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241297	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152384.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/07/2014 2145			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
203-64-5	4H-Cyclopenta[def]phenanthrene	9.39	430	J N
198-55-0	Perylene	13.33	1200	J N
214-17-5	Benzo[b]chrysene	14.80	600	J N
192-65-4	1,2:4,5-Dibenzopyrene	16.98	830	J N
192-65-4	1,2:4,5-Dibenzopyrene	17.11	650	J N
189-64-0	3,4:8,9-Dibenzopyrene	17.78	640	J N

Client: FPM Group Limited | Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17 | Date Sampled: 08/04/2014 1415
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152356.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 0835			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1027			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		360	U	48	360
1,2,4,5-Tetrachlorobenzene		360	U	48	360
2,2'-oxybis[1-chloropropane]		360	U	40	360
2,3,4,6-Tetrachlorophenol		360	U	47	360
2,4,5-Trichlorophenol		360	U	46	360
2,4,6-Trichlorophenol		360	U	42	360
2,4-Dichlorophenol		360	U	53	360
2,4-Dimethylphenol		360	U	89	360
2,4-Dinitrophenol		730	U	200	730
2,4-Dinitrotoluene		73	U	12	73
2,6-Dinitrotoluene		73	U	11	73
2-Chloronaphthalene		360	U	40	360
2-Chlorophenol		360	U	47	360
2-Methylnaphthalene		360	U	46	360
2-Methylphenol		360	U	61	360
2-Nitroaniline		360	U	150	360
2-Nitrophenol		360	U	40	360
3,3'-Dichlorobenzidine		360	U	130	360
3-Nitroaniline		360	U	130	360
4,6-Dinitro-2-methylphenol		730	U	98	730
4-Bromophenyl phenyl ether		360	U	36	360
4-Chloro-3-methylphenol		360	U	54	360
4-Chloroaniline		360	U	95	360
4-Chlorophenyl phenyl ether		360	U	42	360
4-Methylphenol		360	U	71	360
4-Nitroaniline		730	U	110	730
4-Nitrophenol		360	U	230	360
Acenaphthene		360	U	52	360
Acenaphthylene		360	U	43	360
Acetophenone		360	U	55	360
Anthracene		360	U	44	360
Atrazine		360	U	56	360
Benzaldehyde		360	U	42	360
Benzo[a]anthracene		36	U	2.5	36
Benzo[a]pyrene		36	U	2.5	36
Benzo[b]fluoranthene		36	U	2.3	36
Benzo[g,h,i]perylene		360	U	27	360
Benzo[k]fluoranthene		36	U	2.7	36
Bis(2-chloroethoxy)methane		360	U	46	360
Bis(2-chloroethyl)ether		36	U	4.9	36
Bis(2-ethylhexyl) phthalate		360	U	120	360
Butyl benzyl phthalate		360	U	33	360
Caprolactam		360	U	83	360
Carbazole		360	U	43	360
Chrysene		360	U	42	360
Dibenz(a,h)anthracene		36	U	4.5	36

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152356.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 0835			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1027			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		360	U	42	360
Diethyl phthalate		360	U	43	360
Dimethyl phthalate		360	U	43	360
Di-n-butyl phthalate		360	U	44	360
Di-n-octyl phthalate		360	U	23	360
Fluoranthene		360	U	48	360
Fluorene		360	U	46	360
Hexachlorobenzene		36	U	4.9	36
Hexachlorobutadiene		73	U	8.8	73
Hexachlorocyclopentadiene		360	U	42	360
Hexachloroethane		36	U	4.0	36
Indeno[1,2,3-cd]pyrene		36	U	6.7	36
Isophorone		360	U	44	360
Naphthalene		360	U	42	360
Nitrobenzene		36	U	5.1	36
N-Nitrosodi-n-propylamine		36	U	6.0	36
N-Nitrosodiphenylamine		360	U	35	360
Pentachlorophenol		730	U	110	730
Phenanthrene		360	U	46	360
Phenol		360	U	48	360
Pyrene		360	U	30	360

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	68		19 - 114
2-Fluorobiphenyl	66		49 - 112
2-Fluorophenol (Surr)	66		39 - 103
Nitrobenzene-d5 (Surr)	67		40 - 106
Phenol-d5 (Surr)	71		44 - 104
Terphenyl-d14 (Surr)	78		41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-240985	Lab File ID:	L1152356.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 0835			Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1027			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0041 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1242			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.2	U	1.4	7.2
4,4'-DDE		7.2	U	1.4	7.2
4,4'-DDT		7.2	U	1.7	7.2
Aldrin		7.2	U	1.5	7.2
alpha-BHC		7.2	U	1.6	7.2
beta-BHC		7.2	U	1.7	7.2
Chlordane (technical)		72	U	20	72
delta-BHC		7.2	U	1.3	7.2
Dieldrin		7.2	U	1.3	7.2
Endosulfan I		7.2	U	1.6	7.2
Endosulfan II		7.2	U	1.4	7.2
Endosulfan sulfate		7.2	U	1.4	7.2
Endrin		7.2	U	1.7	7.2
Endrin aldehyde		7.2	U	1.1	7.2
Endrin ketone		7.2	U	1.4	7.2
gamma-BHC (Lindane)		7.2	U	1.3	7.2
Heptachlor		7.2	U	1.7	7.2
Heptachlor epoxide		7.2	U	1.6	7.2
Methoxychlor		7.2	U	1.7	7.2
Toxaphene		72	U	19	72

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0041 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1242			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		76 - 149
Tetrachloro-m-xylene	97		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0250 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1256			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.3	7.0
4,4'-DDE		7.0	U	1.3	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.2	7.0
Dieldrin		7.0	U	1.2	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.3	7.0
Endosulfan sulfate		7.0	U	1.3	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.3	7.0
gamma-BHC (Lindane)		7.0	U	1.2	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		76 - 149
Tetrachloro-m-xylene	103		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0250 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1256			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0084 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1309			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.7	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.7	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.7	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.7	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.7	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	104		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0084 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1309			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		76 - 149
Tetrachloro-m-xylene	104		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0073 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1323			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.3	U	1.4	7.3
4,4'-DDE		7.3	U	1.4	7.3
4,4'-DDT		7.3	U	1.7	7.3
Aldrin		7.3	U	1.5	7.3
alpha-BHC		7.3	U	1.6	7.3
beta-BHC		7.3	U	1.7	7.3
Chlordane (technical)		73	U	21	73
delta-BHC		7.3	U	1.3	7.3
Dieldrin		7.3	U	1.3	7.3
Endosulfan I		7.3	U	1.6	7.3
Endosulfan II		7.3	U	1.4	7.3
Endosulfan sulfate		7.3	U	1.4	7.3
Endrin		7.3	U	1.7	7.3
Endrin aldehyde		7.3	U	1.1	7.3
Endrin ketone		7.3	U	1.4	7.3
gamma-BHC (Lindane)		7.3	U	1.3	7.3
Heptachlor		7.3	U	1.7	7.3
Heptachlor epoxide		7.3	U	1.6	7.3
Methoxychlor		7.3	U	1.7	7.3
Toxaphene		73	U	20	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		76 - 149
Tetrachloro-m-xylene	106		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0073 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1323			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	104		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1337			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		7.9	U	1.9	7.9
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
Chlordane (technical)		79	U	22	79
delta-BHC		7.9	U	1.4	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	103		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1337			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		76 - 149
Tetrachloro-m-xylene	97		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1351			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.5	U	1.5	7.5
4,4'-DDE		7.5	U	1.5	7.5
4,4'-DDT		7.5	U	1.8	7.5
Aldrin		7.5	U	1.6	7.5
alpha-BHC		7.5	U	1.7	7.5
beta-BHC		7.5	U	1.8	7.5
Chlordane (technical)		75	U	21	75
delta-BHC		7.5	U	1.3	7.5
Dieldrin		7.5	U	1.3	7.5
Endosulfan I		7.5	U	1.7	7.5
Endosulfan II		7.5	U	1.5	7.5
Endosulfan sulfate		7.5	U	1.5	7.5
Endrin		7.5	U	1.8	7.5
Endrin aldehyde		7.5	U	1.1	7.5
Endrin ketone		7.5	U	1.5	7.5
gamma-BHC (Lindane)		7.5	U	1.3	7.5
Heptachlor		7.5	U	1.8	7.5
Heptachlor epoxide		7.5	U	1.7	7.5
Methoxychlor		7.5	U	1.8	7.5
Toxaphene		75	U	20	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		76 - 149
Tetrachloro-m-xylene	109		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1351			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1405			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.1	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		76 - 149
Tetrachloro-m-xylene	110		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1405			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		76 - 149
Tetrachloro-m-xylene	101		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0023 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1419			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.3	U	1.4	7.3
4,4'-DDE		7.3	U	1.4	7.3
4,4'-DDT		7.3	U	1.8	7.3
Aldrin		7.3	U	1.5	7.3
alpha-BHC		7.3	U	1.6	7.3
beta-BHC		7.3	U	1.8	7.3
Chlordane (technical)		73	U	21	73
delta-BHC		7.3	U	1.3	7.3
Dieldrin		7.3	U	1.3	7.3
Endosulfan I		7.3	U	1.6	7.3
Endosulfan II		7.3	U	1.4	7.3
Endosulfan sulfate		7.3	U	1.4	7.3
Endrin		7.3	U	1.8	7.3
Endrin aldehyde		7.3	U	1.1	7.3
Endrin ketone		7.3	U	1.4	7.3
gamma-BHC (Lindane)		7.3	U	1.3	7.3
Heptachlor		7.3	U	1.8	7.3
Heptachlor epoxide		7.3	U	1.6	7.3
Methoxychlor		7.3	U	1.8	7.3
Toxaphene		73	U	20	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	107		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0023 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1419			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		76 - 149
Tetrachloro-m-xylene	100		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0053 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1432			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	102		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0053 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1432			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	102		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0061 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1446			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.1	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		76 - 149
Tetrachloro-m-xylene	101		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0061 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1446			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		76 - 149
Tetrachloro-m-xylene	89		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1500			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.7	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.7	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.7	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.7	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.7	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		76 - 149
Tetrachloro-m-xylene	107		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1500			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	98		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0019 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1514			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.6	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.6	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.6	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.6	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.6	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		76 - 149
Tetrachloro-m-xylene	116		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0019 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1514			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		76 - 149
Tetrachloro-m-xylene	106		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1527			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		76 - 149
Tetrachloro-m-xylene	114		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1527			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		76 - 149
Tetrachloro-m-xylene	107		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0058 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1541			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.7	6.9
Aldrin		6.9	U	1.5	6.9
alpha-BHC		6.9	U	1.6	6.9
beta-BHC		6.9	U	1.7	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.6	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.7	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.7	6.9
Heptachlor epoxide		6.9	U	1.6	6.9
Methoxychlor		6.9	U	1.7	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		76 - 149
Tetrachloro-m-xylene	108		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0058 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1541			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		76 - 149
Tetrachloro-m-xylene	102		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1555			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		6.9	U	1.3	6.9
4,4'-DDE		6.9	U	1.3	6.9
4,4'-DDT		6.9	U	1.7	6.9
Aldrin		6.9	U	1.4	6.9
alpha-BHC		6.9	U	1.5	6.9
beta-BHC		6.9	U	1.7	6.9
Chlordane (technical)		69	U	20	69
delta-BHC		6.9	U	1.2	6.9
Dieldrin		6.9	U	1.2	6.9
Endosulfan I		6.9	U	1.5	6.9
Endosulfan II		6.9	U	1.3	6.9
Endosulfan sulfate		6.9	U	1.3	6.9
Endrin		6.9	U	1.7	6.9
Endrin aldehyde		6.9	U	1.0	6.9
Endrin ketone		6.9	U	1.3	6.9
gamma-BHC (Lindane)		6.9	U	1.2	6.9
Heptachlor		6.9	U	1.7	6.9
Heptachlor epoxide		6.9	U	1.5	6.9
Methoxychlor		6.9	U	1.7	6.9
Toxaphene		69	U	19	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		76 - 149
Tetrachloro-m-xylene	103		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1555			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		76 - 149
Tetrachloro-m-xylene	91		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1609			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.1	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		76 - 149
Tetrachloro-m-xylene	115		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1609			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		76 - 149
Tetrachloro-m-xylene	107		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1623			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.3	U	1.4	7.3
4,4'-DDE		7.3	U	1.4	7.3
4,4'-DDT		7.3	U	1.7	7.3
Aldrin		7.3	U	1.5	7.3
alpha-BHC		7.3	U	1.6	7.3
beta-BHC		7.3	U	1.7	7.3
Chlordane (technical)		73	U	21	73
delta-BHC		7.3	U	1.3	7.3
Dieldrin		7.3	U	1.3	7.3
Endosulfan I		7.3	U	1.6	7.3
Endosulfan II		7.3	U	1.4	7.3
Endosulfan sulfate		7.3	U	1.4	7.3
Endrin		7.3	U	1.7	7.3
Endrin aldehyde		7.3	U	1.1	7.3
Endrin ketone		7.3	U	1.4	7.3
gamma-BHC (Lindane)		7.3	U	1.3	7.3
Heptachlor		7.3	U	1.7	7.3
Heptachlor epoxide		7.3	U	1.6	7.3
Methoxychlor		7.3	U	1.7	7.3
Toxaphene		73	U	20	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		76 - 149
Tetrachloro-m-xylene	117		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Prep Method:	3546	Prep Batch:	460-240903	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1623			Injection Volume:	1 uL
Prep Date:	08/06/2014 0236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		76 - 149
Tetrachloro-m-xylene	106		72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0041 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1601			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		72	U	16	72
Aroclor 1221		72	U	16	72
Aroclor 1232		72	U	16	72
Aroclor 1242		72	U	16	72
Aroclor 1248		72	U	16	72
Aroclor 1254		72	U	20	72
Aroclor 1260		72	U	20	72
Aroclor-1262		72	U	20	72
Aroclor 1268		72	U	20	72
Polychlorinated biphenyls, Total		72	U	20	72

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0041 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1601			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0250 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1621			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0250 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1621			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0084 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1640			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0084 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1640			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0073 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1659			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	16	73
Aroclor 1221		73	U	16	73
Aroclor 1232		73	U	16	73
Aroclor 1242		73	U	16	73
Aroclor 1248		73	U	16	73
Aroclor 1254		73	U	21	73
Aroclor 1260		73	U	21	73
Aroclor-1262		73	U	21	73
Aroclor 1268		73	U	21	73
Polychlorinated biphenyls, Total		73	U	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0073 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1659			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1718			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	18	79
Aroclor 1221		79	U	18	79
Aroclor 1232		79	U	18	79
Aroclor 1242		79	U	18	79
Aroclor 1248		79	U	18	79
Aroclor 1254		79	U	22	79
Aroclor 1260		79	U	22	79
Aroclor-1262		79	U	22	79
Aroclor 1268		79	U	22	79
Polychlorinated biphenyls, Total		79	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1718			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0086 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1737			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	17	75
Aroclor 1221		75	U	17	75
Aroclor 1232		75	U	17	75
Aroclor 1242		75	U	17	75
Aroclor 1248		75	U	17	75
Aroclor 1254		75	U	21	75
Aroclor 1260		75	U	21	75
Aroclor-1262		75	U	21	75
Aroclor 1268		75	U	21	75
Polychlorinated biphenyls, Total		75	U	21	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0086 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1737			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1756			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0076 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1756			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0023 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1815			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	16	73
Aroclor 1221		73	U	16	73
Aroclor 1232		73	U	16	73
Aroclor 1242		73	U	16	73
Aroclor 1248		73	U	16	73
Aroclor 1254		73	U	21	73
Aroclor 1260		73	U	21	73
Aroclor-1262		73	U	21	73
Aroclor 1268		73	U	21	73
Polychlorinated biphenyls, Total		73	U	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0023 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1815			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0053 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1834			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0053 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1834			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0061 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1853			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0061 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1853			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1912			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1912			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0019 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1931			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0019 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1931			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1950			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0024 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 1950			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0058 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2009			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	16	69
Aroclor 1221		69	U	16	69
Aroclor 1232		69	U	16	69
Aroclor 1242		69	U	16	69
Aroclor 1248		69	U	16	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0058 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2009			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2028			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		69	U	15	69
Aroclor 1221		69	U	15	69
Aroclor 1232		69	U	15	69
Aroclor 1242		69	U	15	69
Aroclor 1248		69	U	15	69
Aroclor 1254		69	U	20	69
Aroclor 1260		69	U	20	69
Aroclor-1262		69	U	20	69
Aroclor 1268		69	U	20	69
Polychlorinated biphenyls, Total		69	U	20	69

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0081 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2028			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2047			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0079 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2047			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2106			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	16	73
Aroclor 1221		73	U	16	73
Aroclor 1232		73	U	16	73
Aroclor 1242		73	U	16	73
Aroclor 1248		73	U	16	73
Aroclor 1254		73	U	21	73
Aroclor 1260		73	U	21	73
Aroclor-1262		73	U	21	73
Aroclor 1268		73	U	21	73
Polychlorinated biphenyls, Total		73	U	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-240906	Initial Weight/Volume:	15.0089 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/06/2014 2106			Injection Volume:	1 uL
Prep Date:	08/06/2014 0249			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

% Moisture: 6.5

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240928	Lab File ID:	240972.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	08/06/2014 2037			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.39	2.0
Aluminum		6830		22.1	40.0
Arsenic		3.0	U	0.82	3.0
Barium		76.2		1.7	40.0
Beryllium		0.40	U	0.27	0.40
Calcium		1410		76.4	999
Cadmium		0.80	U	0.28	0.80
Cobalt		11.1		0.90	10
Chromium		25.0		0.80	2.0
Copper		24.4		1.8	5.0
Iron		26400		24.9	30.0
Potassium		2610		27.6	999
Magnesium		2440		66.3	999
Manganese		513		0.86	3.0
Sodium		165	J	75.5	999
Nickel		20.4		1.8	8.0
Lead		3.8		0.82	2.0
Antimony		4.0	U	1.5	4.0
Selenium		2.8	J	1.1	4.0
Thallium		4.0	U	2.0	4.0
Vanadium		37.8		0.83	10
Zinc		28.4		1.7	6.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/08/2014 1053			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.013	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

% Moisture: 3.8

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240928	Lab File ID:	240972.asc
Dilution:	4.0			Initial Weight/Volume:	1.09 g
Analysis Date:	08/06/2014 2041			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.37	1.9
Aluminum		2960		21.1	38.1
Arsenic		2.9	U	0.78	2.9
Barium		31.0	J	1.6	38.1
Beryllium		0.38	U	0.26	0.38
Calcium		924	J	72.9	953
Cadmium		0.76	U	0.27	0.76
Cobalt		4.1	J	0.86	9.5
Chromium		10		0.76	1.9
Copper		13.3		1.7	4.8
Iron		9490		23.7	28.6
Potassium		1060		26.3	953
Magnesium		1160		63.3	953
Manganese		148		0.82	2.9
Sodium		344	J	72.1	953
Nickel		10		1.7	7.6
Lead		2.0		0.78	1.9
Antimony		3.8	U	1.4	3.8
Selenium		1.3	J	1.1	3.8
Thallium		3.8	U	1.9	3.8
Vanadium		12.2		0.79	9.5
Zinc		27.7		1.6	5.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	08/08/2014 1055			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240928	Lab File ID:	240972.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	08/06/2014 2056			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.38	2.0
Aluminum		3170		21.7	39.3
Arsenic		3.0	U	0.81	3.0
Barium		35.2	J	1.7	39.3
Beryllium		0.39	U	0.27	0.39
Calcium		366	J	75.2	983
Cadmium		0.79	U	0.28	0.79
Cobalt		3.5	J	0.89	9.8
Chromium		7.6		0.79	2.0
Copper		9.9		1.7	4.9
Iron		9620		24.5	29.5
Potassium		1340		27.1	983
Magnesium		1250		65.3	983
Manganese		121		0.85	3.0
Sodium		298	J	74.4	983
Nickel		9.3		1.8	7.9
Lead		1.8	J	0.81	2.0
Antimony		3.9	U	1.5	3.9
Selenium		1.6	J	1.1	3.9
Thallium		3.9	U	1.9	3.9
Vanadium		11.1		0.81	9.8
Zinc		13.9		1.7	5.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	08/08/2014 1057			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.011	0.016

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241240	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-240928	Lab File ID:	240972.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/06/2014 2059			Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.38	1.9
Aluminum		5490		21.5	38.9
Arsenic		2.9	U	0.80	2.9
Barium		48.5		1.7	38.9
Beryllium		0.39	U	0.26	0.39
Calcium		931	J	74.4	973
Cadmium		0.78	U	0.28	0.78
Cobalt		6.6	J	0.88	9.7
Chromium		15.7		0.78	1.9
Copper		14.3		1.7	4.9
Iron		12100		24.2	29.2
Potassium		1870		26.9	973
Magnesium		2100		64.6	973
Manganese		122		0.84	2.9
Sodium		718	J	73.6	973
Nickel		17.5		1.7	7.8
Lead		2.4		0.80	1.9
Antimony		3.9	U	1.5	3.9
Selenium		2.0	J	1.1	3.9
Thallium		3.9	U	1.9	3.9
Vanadium		19.2		0.80	9.7
Zinc		20.8		1.7	5.8

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/08/2014 1100			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/07/2014 2038			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.1	U	0.41	2.1
Aluminum		7760		23.3	42.2
Arsenic		3.2	U	0.86	3.2
Barium		83.9		1.8	42.2
Beryllium		0.42	U	0.29	0.42
Calcium		7180		80.6	1050
Cadmium		0.84	U	0.30	0.84
Cobalt		6.8	J	0.95	10.5
Chromium		19.5		0.84	2.1
Copper		14.8		1.9	5.3
Iron		17300		26.2	31.6
Potassium		3060		29.1	1050
Magnesium		4140		70.0	1050
Manganese		236		0.91	3.2
Sodium		512	J	79.7	1050
Nickel		16.4		1.9	8.4
Lead		11.1		0.87	2.1
Antimony		4.2	U	1.6	4.2
Selenium		4.2	U	1.2	4.2
Thallium		4.2	U	2.1	4.2
Vanadium		24.2		0.87	10.5
Zinc		44.9		1.8	6.3

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/08/2014 1102			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	J	0.014	0.020

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

% Moisture: 10.4

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/07/2014 2042			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.1	U	0.42	2.1
Aluminum		6920		23.7	42.9
Arsenic		1.0	J	0.88	3.2
Barium		110		1.9	42.9
Beryllium		0.43	U	0.29	0.43
Calcium		14100		82.1	1070
Cadmium		0.86	U	0.30	0.86
Cobalt		6.4	J	0.97	10.7
Chromium		17.8		0.86	2.1
Copper		16.0		1.9	5.4
Iron		16100		26.7	32.2
Potassium		2330		29.6	1070
Magnesium		4260		71.3	1070
Manganese		240		0.93	3.2
Sodium		377	J	81.2	1070
Nickel		14.4		1.9	8.6
Lead		24.5		0.88	2.1
Antimony		4.3	U	1.6	4.3
Selenium		4.3	U	1.2	4.3
Thallium		4.3	U	2.1	4.3
Vanadium		23.0		0.89	10.7
Zinc		84.1		1.8	6.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/08/2014 1104			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021		0.013	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/07/2014 2045			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.36	1.9
Aluminum		2830		20.8	37.6
Arsenic		1.3	J	0.77	2.8
Barium		24.3	J	1.6	37.6
Beryllium		0.38	U	0.26	0.38
Calcium		830	J	71.9	939
Cadmium		0.75	U	0.27	0.75
Cobalt		8.5	J	0.85	9.4
Chromium		15.1		0.75	1.9
Copper		29.2		1.7	4.7
Iron		21200		23.4	28.2
Potassium		592	J	25.9	939
Magnesium		942		62.4	939
Manganese		317		0.81	2.8
Sodium		74.2	J	71.0	939
Nickel		12.8		1.7	7.5
Lead		2.7		0.77	1.9
Antimony		3.8	U	1.4	3.8
Selenium		3.8	U	1.1	3.8
Thallium		3.8	U	1.8	3.8
Vanadium		27.7		0.78	9.4
Zinc		15.0		1.6	5.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	08/08/2014 1025			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.011	0.016

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

% Moisture: 8.7

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	08/07/2014 2049			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.39	2.0
Aluminum		7640		22.4	40.6
Arsenic		6.9		0.83	3.0
Barium		82.1		1.8	40.6
Beryllium		0.41	U	0.28	0.41
Calcium		22500		77.6	1010
Cadmium		0.33	J	0.29	0.81
Cobalt		6.2	J	0.91	10.1
Chromium		21.0		0.81	2.0
Copper		32.2		1.8	5.1
Iron		15800		25.3	30.4
Potassium		2630		28.0	1010
Magnesium		4650		67.3	1010
Manganese		174		0.87	3.0
Sodium		194	J	76.7	1010
Nickel		18.1		1.8	8.1
Lead		76.2		0.83	2.0
Antimony		4.1	U	1.5	4.1
Selenium		4.1	U	1.2	4.1
Thallium		4.1	U	2.0	4.1
Vanadium		29.9		0.84	10.1
Zinc		121		1.7	6.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	08/08/2014 1106			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.060		0.012	0.017

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	08/07/2014 2053			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.38	1.9
Aluminum		3440		21.5	39.0
Arsenic		2.9	U	0.80	2.9
Barium		36.7	J	1.7	39.0
Beryllium		0.39	U	0.26	0.39
Calcium		1480		74.5	974
Cadmium		0.78	U	0.28	0.78
Cobalt		8.2	J	0.88	9.7
Chromium		15.9		0.78	1.9
Copper		28.1		1.7	4.9
Iron		15800		24.3	29.2
Potassium		973	J	26.9	974
Magnesium		1330		64.7	974
Manganese		284		0.84	2.9
Sodium		670	J	73.6	974
Nickel		16.3		1.7	7.8
Lead		2.4		0.80	1.9
Antimony		3.9	U	1.5	3.9
Selenium		3.9	U	1.1	3.9
Thallium		3.9	U	1.9	3.9
Vanadium		21.5		0.81	9.7
Zinc		83.6		1.7	5.8

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/08/2014 1112			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

% Moisture: 4.9

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.17 g
Analysis Date:	08/07/2014 2056			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.8	U	0.35	1.8
Aluminum		5320		19.9	35.9
Arsenic		2.7	U	0.74	2.7
Barium		58.7		1.6	35.9
Beryllium		0.36	U	0.24	0.36
Calcium		964		68.7	898
Cadmium		0.72	U	0.25	0.72
Cobalt		6.2	J	0.81	9.0
Chromium		15.4		0.72	1.8
Copper		17.1		1.6	4.5
Iron		17400		22.4	26.9
Potassium		1910		24.8	898
Magnesium		1960		59.6	898
Manganese		238		0.77	2.7
Sodium		285	J	67.9	898
Nickel		13.7		1.6	7.2
Lead		28.7		0.74	1.8
Antimony		3.6	U	1.4	3.6
Selenium		3.6	U	1.0	3.6
Thallium		3.6	U	1.8	3.6
Vanadium		20.5		0.74	9.0
Zinc		24.2		1.5	5.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/08/2014 1114			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.012	J	0.012	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/07/2014 2100			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.8	U	0.36	1.8
Aluminum		4120		20.4	36.9
Arsenic		2.8	U	0.75	2.8
Barium		43.1		1.6	36.9
Beryllium		0.37	U	0.25	0.37
Calcium		1070		70.5	921
Cadmium		0.74	U	0.26	0.74
Cobalt		6.7	J	0.83	9.2
Chromium		13.6		0.74	1.8
Copper		19.9		1.6	4.6
Iron		13800		22.9	27.6
Potassium		1390		25.4	921
Magnesium		1630		61.2	921
Manganese		208		0.79	2.8
Sodium		619	J	69.7	921
Nickel		15.6		1.6	7.4
Lead		7.4		0.76	1.8
Antimony		3.7	U	1.4	3.7
Selenium		3.7	U	1.1	3.7
Thallium		3.7	U	1.8	3.7
Vanadium		18.7		0.76	9.2
Zinc		27.9		1.6	5.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/08/2014 1116			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

% Moisture: 3.0

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/07/2014 2103			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.40	2.0
Aluminum		4820		22.6	40.8
Arsenic		3.1	U	0.84	3.1
Barium		56.4		1.8	40.8
Beryllium		0.41	U	0.28	0.41
Calcium		1330		78.1	1020
Cadmium		0.82	U	0.29	0.82
Cobalt		6.1	J	0.92	10.2
Chromium		15.2		0.82	2.0
Copper		18.2		1.8	5.1
Iron		14600		25.4	30.6
Potassium		1700		28.2	1020
Magnesium		1810		67.8	1020
Manganese		198		0.88	3.1
Sodium		300	J	77.2	1020
Nickel		12.6		1.8	8.2
Lead		4.8		0.84	2.0
Antimony		4.1	U	1.5	4.1
Selenium		4.1	U	1.2	4.1
Thallium		4.1	U	2.0	4.1
Vanadium		19.7		0.84	10.2
Zinc		21.9		1.7	6.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	08/08/2014 1118			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.012	0.016

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	08/07/2014 2107			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.36	1.9
Aluminum		5070		20.7	37.6
Arsenic		2.8	U	0.77	2.8
Barium		60.6		1.6	37.6
Beryllium		0.38	U	0.26	0.38
Calcium		584	J	71.8	939
Cadmium		0.75	U	0.27	0.75
Cobalt		4.7	J	0.85	9.4
Chromium		15.5		0.75	1.9
Copper		9.0		1.7	4.7
Iron		10800		23.4	28.2
Potassium		2200		25.9	939
Magnesium		2500		62.3	939
Manganese		176		0.81	2.8
Sodium		714	J	71.0	939
Nickel		15.6		1.7	7.5
Lead		1.5	J	0.77	1.9
Antimony		3.8	U	1.4	3.8
Selenium		3.8	U	1.1	3.8
Thallium		3.8	U	1.8	3.8
Vanadium		16.1		0.78	9.4
Zinc		22.5		1.6	5.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	08/08/2014 1120			Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.011	0.016

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

% Moisture: 3.5

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	08/07/2014 2122			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.38	2.0
Aluminum		4380		21.6	39.1
Arsenic		2.9	U	0.80	2.9
Barium		45.5		1.7	39.1
Beryllium		0.39	U	0.27	0.39
Calcium		752	J	74.8	978
Cadmium		0.78	U	0.28	0.78
Cobalt		4.3	J	0.88	9.8
Chromium		10.1		0.78	2.0
Copper		12.6		1.7	4.9
Iron		10100		24.4	29.3
Potassium		1620		27.0	978
Magnesium		1770		64.9	978
Manganese		124		0.84	2.9
Sodium		90.5	J	73.9	978
Nickel		10.1		1.8	7.8
Lead		15.8		0.80	2.0
Antimony		3.9	U	1.5	3.9
Selenium		3.9	U	1.1	3.9
Thallium		3.9	U	1.9	3.9
Vanadium		13.3		0.81	9.8
Zinc		18.6		1.7	5.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/10/2014 1759			Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

% Moisture: 3.1

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/07/2014 2125			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.0	U	0.38	2.0
Aluminum		3150		21.9	39.7
Arsenic		3.0	U	0.81	3.0
Barium		36.6	J	1.7	39.7
Beryllium		0.40	U	0.27	0.40
Calcium		489	J	75.9	992
Cadmium		0.79	U	0.28	0.79
Cobalt		3.7	J	0.89	9.9
Chromium		8.6		0.79	2.0
Copper		9.3		1.7	5.0
Iron		8220		24.7	29.8
Potassium		1160		27.4	992
Magnesium		1330		65.9	992
Manganese		142		0.86	3.0
Sodium		202	J	75.0	992
Nickel		11.4		1.8	7.9
Lead		1.5	J	0.81	2.0
Antimony		4.0	U	1.5	4.0
Selenium		4.0	U	1.1	4.0
Thallium		4.0	U	1.9	4.0
Vanadium		10.6		0.82	9.9
Zinc		18.7		1.7	6.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1745			Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

% Moisture: 5.0

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/07/2014 2129			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.36	1.9
Aluminum		5930		20.8	37.6
Arsenic		2.8	U	0.77	2.8
Barium		63.8		1.6	37.6
Beryllium		0.38	U	0.26	0.38
Calcium		1920		71.9	940
Cadmium		0.75	U	0.27	0.75
Cobalt		6.7	J	0.85	9.4
Chromium		15.6		0.75	1.9
Copper		21.7		1.7	4.7
Iron		19100		23.4	28.2
Potassium		2360		25.9	940
Magnesium		2140		62.4	940
Manganese		248		0.81	2.8
Sodium		110	J	71.0	940
Nickel		14.5		1.7	7.5
Lead		28.6		0.77	1.9
Antimony		3.8	U	1.4	3.8
Selenium		3.8	U	1.1	3.8
Thallium		3.8	U	1.8	3.8
Vanadium		21.6		0.78	9.4
Zinc		34.4		1.6	5.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1805			Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.013	0.018

Client: FPM Group Limited

Job Number: 460-80555-1

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-241474	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	08/07/2014 2133			Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.1	U	0.40	2.1
Aluminum		3590		22.7	41.1
Arsenic		3.1	U	0.84	3.1
Barium		42.9		1.8	41.1
Beryllium		0.41	U	0.28	0.41
Calcium		1050		78.6	1030
Cadmium		0.82	U	0.29	0.82
Cobalt		5.6	J	0.93	10.3
Chromium		12.0		0.82	2.1
Copper		15.7		1.8	5.1
Iron		12300		25.6	30.8
Potassium		1510		28.4	1030
Magnesium		1540		68.2	1030
Manganese		209		0.89	3.1
Sodium		174	J	77.7	1030
Nickel		12.8		1.8	8.2
Lead		2.3		0.84	2.1
Antimony		4.1	U	1.6	4.1
Selenium		4.1	U	1.2	4.1
Thallium		4.1	U	2.0	4.1
Vanadium		17.6		0.85	10.3
Zinc		18.0		1.8	6.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/10/2014 1807			Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.013	0.018

General Chemistry

Client Sample ID: **B-3(0-2)**

Lab Sample ID: 460-80555-1

Client Matrix: Solid

Date Sampled: 08/04/2014 0715

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	93.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-3(25-27)**

Lab Sample ID: 460-80555-2

Client Matrix: Solid

Date Sampled: 08/04/2014 0730

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	96.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-2(0-2)**

Lab Sample ID: 460-80555-3

Client Matrix: Solid

Date Sampled: 08/04/2014 0800

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	96.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-2(25-27)**

Lab Sample ID: 460-80555-4

Client Matrix: Solid

Date Sampled: 08/04/2014 0815

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	91.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-1(0-2)**

Lab Sample ID: 460-80555-5

Client Matrix: Solid

Date Sampled: 08/04/2014 0845

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	84.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-1D(0-2)**

Lab Sample ID: 460-80555-6

Client Matrix: Solid

Date Sampled: 08/04/2014 0900

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	89.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-1(25-27)**

Lab Sample ID: 460-80555-7

Client Matrix: Solid

Date Sampled: 08/04/2014 0915

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240979	Analysis Date: 08/06/2014 0956						DryWt Corrected: N
Percent Solids	95.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240979	Analysis Date: 08/06/2014 0956						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-13(0-2)**

Lab Sample ID: 460-80555-8

Client Matrix: Solid

Date Sampled: 08/04/2014 1000

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	91.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-13(25-27)**

Lab Sample ID: 460-80555-9

Client Matrix: Solid

Date Sampled: 08/04/2014 1015

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	96.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-10(0-2)**

Lab Sample ID: 460-80555-10

Client Matrix: Solid

Date Sampled: 08/04/2014 1045

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	95.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-10(25-27)**

Lab Sample ID: 460-80555-11

Client Matrix: Solid

Date Sampled: 08/04/2014 1100

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-9(0-2)**

Lab Sample ID: 460-80555-12

Client Matrix: Solid

Date Sampled: 08/04/2014 1145

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240979	Analysis Date: 08/06/2014 0956						DryWt Corrected: N
Percent Solids	97.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-240979	Analysis Date: 08/06/2014 0956						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-9(25-27)**

Lab Sample ID: 460-80555-13

Client Matrix: Solid

Date Sampled: 08/04/2014 1200

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N
Percent Solids	96.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240979		Analysis Date: 08/06/2014 0956				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-8(0-2)**

Lab Sample ID: 460-80555-14

Client Matrix: Solid

Date Sampled: 08/04/2014 1300

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N
Percent Solids	96.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-8(25-27)**

Lab Sample ID: 460-80555-15

Client Matrix: Solid

Date Sampled: 08/04/2014 1315

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-7(0-2)**

Lab Sample ID: 460-80555-16

Client Matrix: Solid

Date Sampled: 08/04/2014 1400

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N
Percent Solids	95.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N

General Chemistry

Client Sample ID: **B-7(25-27)**

Lab Sample ID: 460-80555-17

Client Matrix: Solid

Date Sampled: 08/04/2014 1415

Date Received: 08/05/2014 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N
Percent Solids	91.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-240983		Analysis Date: 08/06/2014 1011				DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	ISTD response or retention time outside acceptable limits
	*	LCS or LCSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-240870					
460-80555-1	B-3(0-2)	T	Solid	5035	
460-80555-2	B-3(25-27)	T	Solid	5035	
460-80555-3	B-2(0-2)	T	Solid	5035	
460-80555-4	B-2(25-27)	T	Solid	5035	
460-80555-5	B-1(0-2)	T	Solid	5035	
460-80555-6	B-1D(0-2)	T	Solid	5035	
460-80555-7	B-1(25-27)	T	Solid	5035	
460-80555-8	B-13(0-2)	T	Solid	5035	
460-80555-9	B-13(25-27)	T	Solid	5035	
460-80555-10	B-10(0-2)	T	Solid	5035	
460-80555-11	B-10(25-27)	T	Solid	5035	
460-80555-12	B-9(0-2)	T	Solid	5035	
460-80555-13	B-9(25-27)	T	Solid	5035	
460-80555-14	B-8(0-2)	T	Solid	5035	
460-80555-15	B-8(25-27)	T	Solid	5035	
460-80555-16	B-7(0-2)	T	Solid	5035	
460-80555-17	B-7(25-27)	T	Solid	5035	
Analysis Batch:460-241318					
LCS 460-241318/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-241318/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-241318/6	Method Blank	T	Solid	8260C	
460-80555-1	B-3(0-2)	T	Solid	8260C	460-240870
460-80555-2	B-3(25-27)	T	Solid	8260C	460-240870
460-80555-3	B-2(0-2)	T	Solid	8260C	460-240870
460-80555-4	B-2(25-27)	T	Solid	8260C	460-240870
460-80555-5	B-1(0-2)	T	Solid	8260C	460-240870
460-80555-6	B-1D(0-2)	T	Solid	8260C	460-240870
460-80555-7	B-1(25-27)	T	Solid	8260C	460-240870
460-80555-8	B-13(0-2)	T	Solid	8260C	460-240870
460-80555-9	B-13(25-27)	T	Solid	8260C	460-240870
460-80555-10	B-10(0-2)	T	Solid	8260C	460-240870
460-80555-11	B-10(25-27)	T	Solid	8260C	460-240870
460-80555-12	B-9(0-2)	T	Solid	8260C	460-240870
460-80555-13	B-9(25-27)	T	Solid	8260C	460-240870
460-80555-14	B-8(0-2)	T	Solid	8260C	460-240870
460-80555-15	B-8(25-27)	T	Solid	8260C	460-240870
460-80555-16	B-7(0-2)	T	Solid	8260C	460-240870
460-80555-17	B-7(25-27)	T	Solid	8260C	460-240870
Analysis Batch:460-241737					
LCS 460-241737/3	Lab Control Sample	T	Water	8260C	
LCSD 460-241737/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-241737/6	Method Blank	T	Water	8260C	
460-80555-18TB	TB0804	T	Water	8260C	

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-240984					
LCS 460-240984/2-A	Lab Control Sample	T	Solid	3541	
LCS 460-240984/3-A	Lab Control Sample	T	Solid	3541	
MB 460-240984/1-A	Method Blank	T	Solid	3541	
480-64771-B-3-A MS	Matrix Spike	T	Solid	3541	
480-64771-B-3-B MSD	Matrix Spike Duplicate	T	Solid	3541	
460-80555-1	B-3(0-2)	T	Solid	3541	
460-80555-2	B-3(25-27)	T	Solid	3541	
460-80555-3	B-2(0-2)	T	Solid	3541	
460-80555-4	B-2(25-27)	T	Solid	3541	
460-80555-5	B-1(0-2)	T	Solid	3541	
460-80555-6	B-1D(0-2)	T	Solid	3541	
460-80555-7	B-1(25-27)	T	Solid	3541	
460-80555-8	B-13(0-2)	T	Solid	3541	
460-80555-9	B-13(25-27)	T	Solid	3541	
460-80555-10	B-10(0-2)	T	Solid	3541	
460-80555-11	B-10(25-27)	T	Solid	3541	
460-80555-12	B-9(0-2)	T	Solid	3541	
460-80555-13	B-9(25-27)	T	Solid	3541	
460-80555-14	B-8(0-2)	T	Solid	3541	
Prep Batch: 460-240985					
LCS 460-240985/2-A	Lab Control Sample	T	Solid	3541	
LCS 460-240985/3-A	Lab Control Sample	T	Solid	3541	
MB 460-240985/1-A	Method Blank	T	Solid	3541	
480-64772-B-9-A MS	Matrix Spike	T	Solid	3541	
480-64772-B-9-B MSD	Matrix Spike Duplicate	T	Solid	3541	
460-80555-15	B-8(25-27)	T	Solid	3541	
460-80555-16	B-7(0-2)	T	Solid	3541	
460-80555-17	B-7(25-27)	T	Solid	3541	
Analysis Batch:460-241146					
LCS 460-240985/2-A	Lab Control Sample	T	Solid	8270D	460-240985
LCS 460-240985/3-A	Lab Control Sample	T	Solid	8270D	460-240985
MB 460-240985/1-A	Method Blank	T	Solid	8270D	460-240985
480-64772-B-9-A MS	Matrix Spike	T	Solid	8270D	460-240985
480-64772-B-9-B MSD	Matrix Spike Duplicate	T	Solid	8270D	460-240985
460-80555-15	B-8(25-27)	T	Solid	8270D	460-240985
460-80555-17	B-7(25-27)	T	Solid	8270D	460-240985
Analysis Batch:460-241297					
460-80555-16	B-7(0-2)	T	Solid	8270D	460-240985

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:460-241389					
MB 460-240984/1-A	Method Blank	T	Solid	8270D	460-240984
480-64771-B-3-A MS	Matrix Spike	T	Solid	8270D	460-240984
480-64771-B-3-B MSD	Matrix Spike Duplicate	T	Solid	8270D	460-240984
Analysis Batch:460-241640					
460-80555-1	B-3(0-2)	T	Solid	8270D	460-240984
460-80555-2	B-3(25-27)	T	Solid	8270D	460-240984
460-80555-4	B-2(25-27)	T	Solid	8270D	460-240984
460-80555-7	B-1(25-27)	T	Solid	8270D	460-240984
460-80555-9	B-13(25-27)	T	Solid	8270D	460-240984
460-80555-11	B-10(25-27)	T	Solid	8270D	460-240984
460-80555-13	B-9(25-27)	T	Solid	8270D	460-240984
Analysis Batch:460-241697					
LCS 460-240984/2-A	Lab Control Sample	T	Solid	8270D	460-240984
LCS 460-240984/3-A	Lab Control Sample	T	Solid	8270D	460-240984
460-80555-3	B-2(0-2)	T	Solid	8270D	460-240984
460-80555-5	B-1(0-2)	T	Solid	8270D	460-240984
460-80555-6	B-1D(0-2)	T	Solid	8270D	460-240984
460-80555-8	B-13(0-2)	T	Solid	8270D	460-240984
460-80555-10	B-10(0-2)	T	Solid	8270D	460-240984
460-80555-12	B-9(0-2)	T	Solid	8270D	460-240984
460-80555-14	B-8(0-2)	T	Solid	8270D	460-240984

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-240903					
LCS 460-240903/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240903/1-A	Method Blank	T	Solid	3546	
460-80249-A-1-B MS	Matrix Spike	T	Solid	3546	
460-80249-A-1-C MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80555-1	B-3(0-2)	T	Solid	3546	
460-80555-2	B-3(25-27)	T	Solid	3546	
460-80555-3	B-2(0-2)	T	Solid	3546	
460-80555-4	B-2(25-27)	T	Solid	3546	
460-80555-5	B-1(0-2)	T	Solid	3546	
460-80555-6	B-1D(0-2)	T	Solid	3546	
460-80555-7	B-1(25-27)	T	Solid	3546	
460-80555-8	B-13(0-2)	T	Solid	3546	
460-80555-9	B-13(25-27)	T	Solid	3546	
460-80555-10	B-10(0-2)	T	Solid	3546	
460-80555-11	B-10(25-27)	T	Solid	3546	
460-80555-12	B-9(0-2)	T	Solid	3546	
460-80555-13	B-9(25-27)	T	Solid	3546	
460-80555-14	B-8(0-2)	T	Solid	3546	
460-80555-15	B-8(25-27)	T	Solid	3546	
460-80555-16	B-7(0-2)	T	Solid	3546	
460-80555-17	B-7(25-27)	T	Solid	3546	
Prep Batch: 460-240906					
LCS 460-240906/2-A	Lab Control Sample	T	Solid	3546	
MB 460-240906/1-A	Method Blank	T	Solid	3546	
460-80357-B-1-F MS	Matrix Spike	T	Solid	3546	
460-80357-B-1-G MSD	Matrix Spike Duplicate	T	Solid	3546	
460-80555-1	B-3(0-2)	T	Solid	3546	
460-80555-2	B-3(25-27)	T	Solid	3546	
460-80555-3	B-2(0-2)	T	Solid	3546	
460-80555-4	B-2(25-27)	T	Solid	3546	
460-80555-5	B-1(0-2)	T	Solid	3546	
460-80555-6	B-1D(0-2)	T	Solid	3546	
460-80555-7	B-1(25-27)	T	Solid	3546	
460-80555-8	B-13(0-2)	T	Solid	3546	
460-80555-9	B-13(25-27)	T	Solid	3546	
460-80555-10	B-10(0-2)	T	Solid	3546	
460-80555-11	B-10(25-27)	T	Solid	3546	
460-80555-12	B-9(0-2)	T	Solid	3546	
460-80555-13	B-9(25-27)	T	Solid	3546	
460-80555-14	B-8(0-2)	T	Solid	3546	
460-80555-15	B-8(25-27)	T	Solid	3546	
460-80555-16	B-7(0-2)	T	Solid	3546	
460-80555-17	B-7(25-27)	T	Solid	3546	

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-241002					
LCS 460-240903/2-A	Lab Control Sample	T	Solid	8081B	460-240903
MB 460-240903/1-A	Method Blank	T	Solid	8081B	460-240903
460-80249-A-1-B MS	Matrix Spike	T	Solid	8081B	460-240903
460-80249-A-1-C MSD	Matrix Spike Duplicate	T	Solid	8081B	460-240903
460-80555-1	B-3(0-2)	T	Solid	8081B	460-240903
460-80555-2	B-3(25-27)	T	Solid	8081B	460-240903
460-80555-3	B-2(0-2)	T	Solid	8081B	460-240903
460-80555-4	B-2(25-27)	T	Solid	8081B	460-240903
460-80555-5	B-1(0-2)	T	Solid	8081B	460-240903
460-80555-6	B-1D(0-2)	T	Solid	8081B	460-240903
460-80555-7	B-1(25-27)	T	Solid	8081B	460-240903
460-80555-8	B-13(0-2)	T	Solid	8081B	460-240903
460-80555-9	B-13(25-27)	T	Solid	8081B	460-240903
460-80555-10	B-10(0-2)	T	Solid	8081B	460-240903
460-80555-11	B-10(25-27)	T	Solid	8081B	460-240903
460-80555-12	B-9(0-2)	T	Solid	8081B	460-240903
460-80555-13	B-9(25-27)	T	Solid	8081B	460-240903
460-80555-14	B-8(0-2)	T	Solid	8081B	460-240903
460-80555-15	B-8(25-27)	T	Solid	8081B	460-240903
460-80555-16	B-7(0-2)	T	Solid	8081B	460-240903
460-80555-17	B-7(25-27)	T	Solid	8081B	460-240903
Analysis Batch:460-241046					
LCS 460-240906/2-A	Lab Control Sample	T	Solid	8082A	460-240906
MB 460-240906/1-A	Method Blank	T	Solid	8082A	460-240906
460-80357-B-1-F MS	Matrix Spike	T	Solid	8082A	460-240906
460-80357-B-1-G MSD	Matrix Spike Duplicate	T	Solid	8082A	460-240906
460-80555-1	B-3(0-2)	T	Solid	8082A	460-240906
460-80555-2	B-3(25-27)	T	Solid	8082A	460-240906
460-80555-3	B-2(0-2)	T	Solid	8082A	460-240906
460-80555-4	B-2(25-27)	T	Solid	8082A	460-240906
460-80555-5	B-1(0-2)	T	Solid	8082A	460-240906
460-80555-6	B-1D(0-2)	T	Solid	8082A	460-240906
460-80555-7	B-1(25-27)	T	Solid	8082A	460-240906
460-80555-8	B-13(0-2)	T	Solid	8082A	460-240906
460-80555-9	B-13(25-27)	T	Solid	8082A	460-240906
460-80555-10	B-10(0-2)	T	Solid	8082A	460-240906
460-80555-11	B-10(25-27)	T	Solid	8082A	460-240906
460-80555-12	B-9(0-2)	T	Solid	8082A	460-240906
460-80555-13	B-9(25-27)	T	Solid	8082A	460-240906
460-80555-14	B-8(0-2)	T	Solid	8082A	460-240906
460-80555-15	B-8(25-27)	T	Solid	8082A	460-240906
460-80555-16	B-7(0-2)	T	Solid	8082A	460-240906
460-80555-17	B-7(25-27)	T	Solid	8082A	460-240906

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-240928					
LCSSRM 460-240928/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-240928/1-A ^2	Method Blank	T	Solid	3050B	
460-80498-A-1-B DU ^1	Duplicate	T	Solid	3050B	
460-80498-A-1-B DU ^4	Duplicate	T	Solid	3050B	
460-80498-A-1-C MS ^1	Matrix Spike	T	Solid	3050B	
460-80498-A-1-C MS ^4	Matrix Spike	T	Solid	3050B	
460-80555-1	B-3(0-2)	T	Solid	3050B	
460-80555-2	B-3(25-27)	T	Solid	3050B	
460-80555-3	B-2(0-2)	T	Solid	3050B	
460-80555-4	B-2(25-27)	T	Solid	3050B	
Prep Batch: 460-241172					
LCSSRM 460-241172/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-241172/1-A ^4	Method Blank	T	Solid	3050B	
460-80332-E-1-E DU ^4	Duplicate	T	Solid	3050B	
460-80332-E-1-F MS ^4	Matrix Spike	T	Solid	3050B	
460-80555-5	B-1(0-2)	T	Solid	3050B	
460-80555-6	B-1D(0-2)	T	Solid	3050B	
460-80555-7	B-1(25-27)	T	Solid	3050B	
460-80555-8	B-13(0-2)	T	Solid	3050B	
460-80555-9	B-13(25-27)	T	Solid	3050B	
460-80555-10	B-10(0-2)	T	Solid	3050B	
460-80555-11	B-10(25-27)	T	Solid	3050B	
460-80555-12	B-9(0-2)	T	Solid	3050B	
460-80555-13	B-9(25-27)	T	Solid	3050B	
460-80555-14	B-8(0-2)	T	Solid	3050B	
460-80555-15	B-8(25-27)	T	Solid	3050B	
460-80555-16	B-7(0-2)	T	Solid	3050B	
460-80555-17	B-7(25-27)	T	Solid	3050B	
Analysis Batch:460-241240					
LCSSRM 460-240928/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-240928
MB 460-240928/1-A ^2	Method Blank	T	Solid	6010C	460-240928
460-80498-A-1-B DU ^4	Duplicate	T	Solid	6010C	460-240928
460-80498-A-1-C MS ^4	Matrix Spike	T	Solid	6010C	460-240928
460-80555-1	B-3(0-2)	T	Solid	6010C	460-240928
460-80555-2	B-3(25-27)	T	Solid	6010C	460-240928
460-80555-3	B-2(0-2)	T	Solid	6010C	460-240928
460-80555-4	B-2(25-27)	T	Solid	6010C	460-240928

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-241401					
LCSSRM 460-241401/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-241401/10-A	Method Blank	T	Solid	7471B	
460-80555-1	B-3(0-2)	T	Solid	7471B	
460-80555-2	B-3(25-27)	T	Solid	7471B	
460-80555-3	B-2(0-2)	T	Solid	7471B	
460-80555-4	B-2(25-27)	T	Solid	7471B	
460-80555-5	B-1(0-2)	T	Solid	7471B	
460-80555-6	B-1D(0-2)	T	Solid	7471B	
460-80555-7	B-1(25-27)	T	Solid	7471B	
460-80555-7DU	Duplicate	T	Solid	7471B	
460-80555-7MS	Matrix Spike	T	Solid	7471B	
460-80555-8	B-13(0-2)	T	Solid	7471B	
460-80555-9	B-13(25-27)	T	Solid	7471B	
460-80555-10	B-10(0-2)	T	Solid	7471B	
460-80555-11	B-10(25-27)	T	Solid	7471B	
460-80555-12	B-9(0-2)	T	Solid	7471B	
460-80555-13	B-9(25-27)	T	Solid	7471B	
Analysis Batch:460-241474					
LCSSRM 460-241172/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-241172
MB 460-241172/1-A ^4	Method Blank	T	Solid	6010C	460-241172
460-80332-E-1-E DU ^4	Duplicate	T	Solid	6010C	460-241172
460-80332-E-1-F MS ^4	Matrix Spike	T	Solid	6010C	460-241172
460-80555-5	B-1(0-2)	T	Solid	6010C	460-241172
460-80555-6	B-1D(0-2)	T	Solid	6010C	460-241172
460-80555-7	B-1(25-27)	T	Solid	6010C	460-241172
460-80555-8	B-13(0-2)	T	Solid	6010C	460-241172
460-80555-9	B-13(25-27)	T	Solid	6010C	460-241172
460-80555-10	B-10(0-2)	T	Solid	6010C	460-241172
460-80555-11	B-10(25-27)	T	Solid	6010C	460-241172
460-80555-12	B-9(0-2)	T	Solid	6010C	460-241172
460-80555-13	B-9(25-27)	T	Solid	6010C	460-241172
460-80555-14	B-8(0-2)	T	Solid	6010C	460-241172
460-80555-15	B-8(25-27)	T	Solid	6010C	460-241172
460-80555-16	B-7(0-2)	T	Solid	6010C	460-241172
460-80555-17	B-7(25-27)	T	Solid	6010C	460-241172

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-241501					
LCSSRM 460-241401/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	460-241401
MB 460-241401/10-A	Method Blank	T	Solid	7471B	460-241401
460-80555-1	B-3(0-2)	T	Solid	7471B	460-241401
460-80555-2	B-3(25-27)	T	Solid	7471B	460-241401
460-80555-3	B-2(0-2)	T	Solid	7471B	460-241401
460-80555-4	B-2(25-27)	T	Solid	7471B	460-241401
460-80555-5	B-1(0-2)	T	Solid	7471B	460-241401
460-80555-6	B-1D(0-2)	T	Solid	7471B	460-241401
460-80555-7	B-1(25-27)	T	Solid	7471B	460-241401
460-80555-7DU	Duplicate	T	Solid	7471B	460-241401
460-80555-7MS	Matrix Spike	T	Solid	7471B	460-241401
460-80555-8	B-13(0-2)	T	Solid	7471B	460-241401
460-80555-9	B-13(25-27)	T	Solid	7471B	460-241401
460-80555-10	B-10(0-2)	T	Solid	7471B	460-241401
460-80555-11	B-10(25-27)	T	Solid	7471B	460-241401
460-80555-12	B-9(0-2)	T	Solid	7471B	460-241401
460-80555-13	B-9(25-27)	T	Solid	7471B	460-241401
Analysis Batch:460-241575					
LCSSRM 460-240928/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-240928
MB 460-240928/1-A ^2	Method Blank	T	Solid	6010C	460-240928
460-80498-A-1-B DU ^1	Duplicate	T	Solid	6010C	460-240928
460-80498-A-1-C MS ^1	Matrix Spike	T	Solid	6010C	460-240928
Prep Batch: 460-241764					
LCSSRM 460-241764/2-A ^50	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-241764/1-A	Method Blank	T	Solid	7471B	
460-80555-14	B-8(0-2)	T	Solid	7471B	
460-80555-15	B-8(25-27)	T	Solid	7471B	
460-80555-15DU	Duplicate	T	Solid	7471B	
460-80555-15MS	Matrix Spike	T	Solid	7471B	
460-80555-16	B-7(0-2)	T	Solid	7471B	
460-80555-17	B-7(25-27)	T	Solid	7471B	
Analysis Batch:460-241773					
LCSSRM 460-241764/2-A ^50	LCS-Certified Reference Material	T	Solid	7471B	460-241764
MB 460-241764/1-A	Method Blank	T	Solid	7471B	460-241764
460-80555-14	B-8(0-2)	T	Solid	7471B	460-241764
460-80555-15	B-8(25-27)	T	Solid	7471B	460-241764
460-80555-15DU	Duplicate	T	Solid	7471B	460-241764
460-80555-15MS	Matrix Spike	T	Solid	7471B	460-241764
460-80555-16	B-7(0-2)	T	Solid	7471B	460-241764
460-80555-17	B-7(25-27)	T	Solid	7471B	460-241764

Client: FPM Group Limited

Job Number: 460-80555-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:460-240979					
460-80555-1	B-3(0-2)	T	Solid	Moisture	
460-80555-2	B-3(25-27)	T	Solid	Moisture	
460-80555-3	B-2(0-2)	T	Solid	Moisture	
460-80555-4	B-2(25-27)	T	Solid	Moisture	
460-80555-5	B-1(0-2)	T	Solid	Moisture	
460-80555-6	B-1D(0-2)	T	Solid	Moisture	
460-80555-7	B-1(25-27)	T	Solid	Moisture	
460-80555-8	B-13(0-2)	T	Solid	Moisture	
460-80555-9	B-13(25-27)	T	Solid	Moisture	
460-80555-10	B-10(0-2)	T	Solid	Moisture	
460-80555-11	B-10(25-27)	T	Solid	Moisture	
460-80555-12	B-9(0-2)	T	Solid	Moisture	
460-80555-13	B-9(25-27)	T	Solid	Moisture	
460-80555-13DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-240983					
460-80515-A-3 DU	Duplicate	T	Solid	Moisture	
460-80555-14	B-8(0-2)	T	Solid	Moisture	
460-80555-15	B-8(25-27)	T	Solid	Moisture	
460-80555-16	B-7(0-2)	T	Solid	Moisture	
460-80555-17	B-7(25-27)	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-241318/6		101	101	95	105
LCS 460-241318/3		96	96	91	95
LCSD 460-241318/4		103	102	95	106

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-80555-1	B-3(0-2)	114	97	109	111
460-80555-2	B-3(25-27)	114	93	104	108
460-80555-3	B-2(0-2)	116	103	109	103
460-80555-4	B-2(25-27)	106	91	101	100
460-80555-5	B-1(0-2)	108	92	102	108
460-80555-6	B-1D(0-2)	109	89	100	101
460-80555-7	B-1(25-27)	127	100	111	119
460-80555-8	B-13(0-2)	123	106	112	118
460-80555-9	B-13(25-27)	105	87	97	102
460-80555-10	B-10(0-2)	125	101	114	117
460-80555-11	B-10(25-27)	119	99	111	113
460-80555-12	B-9(0-2)	115	97	109	108
460-80555-13	B-9(25-27)	109	91	104	108
460-80555-14	B-8(0-2)	111	88	96	105
460-80555-15	B-8(25-27)	120	100	112	116
460-80555-16	B-7(0-2)	103	86	96	100
460-80555-17	B-7(25-27)	113	96	107	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-80555-18	TB0804	104	111	112	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
DBFM = Dibromofluoromethane (Surr)	72-137
TOL = Toluene-d8 (Surr)	70-130

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 460-241737/6		120	111	115	121
LCS 460-241737/3		104	101	100	112
LCSD 460-241737/4		105	99	97	109

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	64-135
TOL = Toluene-d8 (Surr)	70-130
DBFM = Dibromofluoromethane (Surr)	72-137

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
460-80555-1	B-3(0-2)	64	68	59	69	67	88
460-80555-2	B-3(25-27)	78	71	64	73	66	92
460-80555-3	B-2(0-2)	39	70	59	68	65	82
460-80555-4	B-2(25-27)	69	71	60	71	66	86
460-80555-5	B-1(0-2)	34	65	50	64	59	70
460-80555-6	B-1D(0-2)	38	72	55	68	62	73
460-80555-7	B-1(25-27)	77	68	58	68	67	89
460-80555-8	B-13(0-2)	45	68	50	63	52	57
460-80555-9	B-13(25-27)	79	69	60	68	66	90
460-80555-10	B-10(0-2)	57	73	55	68	59	71
460-80555-11	B-10(25-27)	79	67	58	66	63	85
460-80555-12	B-9(0-2)	50	75	58	73	64	79
460-80555-13	B-9(25-27)	78	70	61	72	67	89
460-80555-14	B-8(0-2)	33	69	53	66	56	66
460-80555-15	B-8(25-27)	71	68	67	70	71	90
460-80555-16	B-7(0-2)	50	72	59	68	62	77
460-80555-17	B-7(25-27)	68	66	66	67	71	78
MB 460-240984/1-A		64	80	67	77	67	73
MB 460-240985/1-A		71	72	73	75	78	82
LCS 460-240984/2-A		64	68	61	71	66	77
LCS 460-240984/3-A		81	78	66	77	70	81
LCS 460-240985/2-A		71	68	67	71	70	79
LCS 460-240985/3-A		68	68	64	67	66	76
480-64771-B-3-A MS		63	72	59	67	62	60
480-64772-B-9-A MS		54	63	56	59	60	59
480-64771-B-3-B MSD		72	78	64	73	67	64
480-64772-B-9-B MSD		64	69	62	64	68	65

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	19-114
FBP = 2-Fluorobiphenyl	49-112
2FP = 2-Fluorophenol (Surr)	39-103
NBZ = Nitrobenzene-d5 (Surr)	40-106
PHL = Phenol-d5 (Surr)	44-104
TPH = Terphenyl-d14 (Surr)	41-145

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-80555-1	B-3(0-2)	77	79	97	100
460-80555-2	B-3(25-27)	86	87	100	103
460-80555-3	B-2(0-2)	93	92	104	104
460-80555-4	B-2(25-27)	96	102	104	106
460-80555-5	B-1(0-2)	92	93	97	103
460-80555-6	B-1D(0-2)	96	99	100	109
460-80555-7	B-1(25-27)	98	100	101	110
460-80555-8	B-13(0-2)	91	96	100	107
460-80555-9	B-13(25-27)	93	96	102	102
460-80555-10	B-10(0-2)	89	92	89	101
460-80555-11	B-10(25-27)	93	95	98	107
460-80555-12	B-9(0-2)	104	105	106	116
460-80555-13	B-9(25-27)	102	101	107	114
460-80555-14	B-8(0-2)	93	97	102	108
460-80555-15	B-8(25-27)	95	96	91	103
460-80555-16	B-7(0-2)	102	105	107	115
460-80555-17	B-7(25-27)	103	104	106	117
MB 460-240903/1-A		99	101	99	105
LCS 460-240903/2-A		85	95	87	88
460-80249-A-1-B MS		88	103	111	113
460-80249-A-1-C MSD		79	88	100	96

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	76-149
TCX = Tetrachloro-m-xylene	72-136

Client: FPM Group Limited

Job Number: 460-80555-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-80555-1	B-3(0-2)	102	97
460-80555-2	B-3(25-27)	107	106
460-80555-3	B-2(0-2)	103	98
460-80555-4	B-2(25-27)	106	104
460-80555-5	B-1(0-2)	103	104
460-80555-6	B-1D(0-2)	106	112
460-80555-7	B-1(25-27)	107	109
460-80555-8	B-13(0-2)	112	111
460-80555-9	B-13(25-27)	105	105
460-80555-10	B-10(0-2)	109	110
460-80555-11	B-10(25-27)	108	108
460-80555-12	B-9(0-2)	105	105
460-80555-13	B-9(25-27)	100	101
460-80555-14	B-8(0-2)	104	103
460-80555-15	B-8(25-27)	101	101
460-80555-16	B-7(0-2)	103	105
460-80555-17	B-7(25-27)	106	107
MB 460-240906/1-A		102	98
LCS 460-240906/2-A		101	98
460-80357-B-1-F MS		104	98
460-80357-B-1-G MSD		107	101

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	53-150

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241318

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241318/6	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30451.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 2005	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
2-Butanone (MEK)	5.0	U	0.63	5.0
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Acetone	7.43		1.7	5.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
Benzene	1.0	U	0.15	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Bromoform	1.0	U	0.17	1.0
Chloroethane	1.0	U	0.33	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Chloroform	1.0	U	0.24	1.0
2-Hexanone	5.0	U	0.13	5.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Ethylbenzene	1.0	U	0.17	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.13	1.0
Methylene Chloride	0.633	J	0.15	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
o-Xylene	1.0	U	0.19	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	0.213	J	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,4-Dioxane	20	U	13	20
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241318

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-241318/6	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30451.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 2005	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.11	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
Methyl acetate	5.0	U	0.32	5.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
Methylcyclohexane	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 130
4-Bromofluorobenzene	101	70 - 130
Toluene-d8 (Surr)	95	70 - 130
Dibromofluoromethane (Surr)	105	70 - 130

Method Blank TICs- Batch: 460-241318

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241318

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241318/3	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30448.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1838	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241318/4	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30449.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1902	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	99	110	74 - 128	11	30		
1,1-Dichloroethane	86	101	78 - 125	16	30		
2-Butanone (MEK)	87	98	58 - 140	11	30		
1,1,1-Trichloroethane	104	120	82 - 129	14	30		
Acetone	85	99	58 - 139	16	30		
1,2-Dichloropropane	85	97	72 - 123	13	30		
Bromomethane	101	114	62 - 150	12	30		
Carbon disulfide	86	101	73 - 127	16	30		
Carbon tetrachloride	107	127	77 - 137	17	30		
1,1,2-Trichloroethane	78	88	74 - 116	11	30		
Benzene	83	94	75 - 123	12	30		
Chlorodibromomethane	94	107	74 - 124	13	30		
Bromoform	95	114	70 - 130	18	30		
Chloroethane	98	110	60 - 140	11	30		
4-Methyl-2-pentanone (MIBK)	80	92	55 - 133	13	30		
Chloroform	93	111	77 - 122	17	30		
2-Hexanone	76	92	52 - 134	19	30		
Chloromethane	94	100	48 - 144	6	30		
cis-1,2-Dichloroethene	87	103	82 - 121	17	30		
1,1,2,2-Tetrachloroethane	81	94	66 - 121	15	30		
cis-1,3-Dichloropropene	82	95	75 - 119	15	30		
Chlorobenzene	91	102	80 - 120	11	30		
Dichlorobromomethane	97	110	77 - 122	12	30		
Ethylbenzene	93	104	80 - 120	11	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	116	73 - 134	15	30		
Methyl tert-butyl ether	89	103	75 - 124	15	30		
Cyclohexane	87	97	66 - 128	12	30		
Methylene Chloride	107	130	75 - 124	19	30		*
Ethylene Dibromide	82	97	78 - 117	16	30		
m-Xylene & p-Xylene	90	102	79 - 120	13	30		
1,3-Dichlorobenzene	91	100	78 - 120	9	30		
o-Xylene	92	105	77 - 120	13	30		
1,4-Dichlorobenzene	91	101	77 - 120	11	30		
Styrene	89	103	78 - 120	15	30		
Tetrachloroethene	93	109	80 - 127	16	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241318

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-241318/3	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30448.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1838	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241318/4	Analysis Batch:	460-241318	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	K30449.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/07/2014 1902	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	95	107	52 - 145	11	30		
Toluene	87	98	82 - 117	12	30		
1,2,4-Trichlorobenzene	86	97	81 - 127	12	30		
1,4-Dioxane	101	106	69 - 142	5	30		
trans-1,2-Dichloroethene	90	105	83 - 124	15	30		
1,2,3-Trichlorobenzene	88	96	81 - 123	9	30		
trans-1,3-Dichloropropene	86	100	74 - 119	15	30		
Trichloroethene	94	107	78 - 122	13	30		
Chlorobromomethane	92	106	82 - 127	14	30		
Trichlorofluoromethane	124	137	63 - 147	10	30		
Isopropylbenzene	92	106	80 - 120	14	30		
Vinyl chloride	97	108	62 - 132	11	30		
1,2-Dichloroethane	94	108	79 - 120	14	30		
Methyl acetate	82	98	61 - 137	17	30		
1,2-Dichlorobenzene	89	98	77 - 120	10	30		
Methylcyclohexane	92	104	80 - 125	13	30		
1,2-Dibromo-3-Chloropropane	86	104	61 - 125	19	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	103	70 - 130
4-Bromofluorobenzene	96	102	70 - 130
Toluene-d8 (Surr)	91	95	70 - 130
Dibromofluoromethane (Surr)	95	106	70 - 130

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241737

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241737/6	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71933.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1116	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1116				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
2-Butanone (MEK)	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Acetone	5.0	U	2.7	5.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
Chlorodibromomethane	1.0	U	0.20	1.0
Bromoform	1.0	U	0.19	1.0
Chloroethane	1.0	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.99	5.0
Chloroform	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
Chloromethane	1.0	U	0.10	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Chlorobenzene	1.0	U	0.11	1.0
Dichlorobromomethane	1.0	U	0.12	1.0
Ethylbenzene	1.0	U	0.10	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.080	1.0
Methyl tert-butyl ether	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.18	1.0
Ethylene Dibromide	1.0	U	0.28	1.0
m-Xylene & p-Xylene	1.0	U	0.25	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
o-Xylene	1.0	U	0.13	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
Styrene	1.0	U	0.12	1.0
Tetrachloroethene	1.0	U	0.10	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Toluene	1.0	U	0.15	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Trichloroethene	1.0	U	0.090	1.0
Chlorobromomethane	1.0	U	0.27	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241737

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-241737/6	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71933.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1116	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1116				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Isopropylbenzene	1.0	U	0.080	1.0
Vinyl chloride	1.0	U	0.14	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
Methyl acetate	5.0	U	0.34	5.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Methylcyclohexane	1.0	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	70 - 130
4-Bromofluorobenzene	111	64 - 135
Toluene-d8 (Surr)	115	70 - 130
Dibromofluoromethane (Surr)	121	72 - 137

Method Blank TICs- Batch: 460-241737

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
	Tentatively Identified Compound		None	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241737

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-241737/3	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71930.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 0946	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 0946				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241737/4	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71931.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1027				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	117	110	71 - 123	6	30		
1,1-Dichloroethane	108	102	75 - 126	5	30		
2-Butanone (MEK)	77	82	52 - 140	7	30		
1,1,1-Trichloroethane	126	116	73 - 134	8	30		
Acetone	100	94	26 - 150	6	30		
1,2-Dichloropropane	88	87	70 - 120	1	30		
Bromomethane	120	114	27 - 150	6	30		
Carbon disulfide	118	108	61 - 126	8	30		
Carbon tetrachloride	125	116	58 - 150	8	30		
1,1,2-Trichloroethane	83	86	68 - 121	4	30		
Benzene	111	101	69 - 125	10	30		
Chlorodibromomethane	63	66	63 - 131	4	30		
Bromoform	58	60	50 - 134	4	30		
Chloroethane	122	115	58 - 145	7	30		
4-Methyl-2-pentanone (MIBK)	77	84	56 - 132	9	30		
Chloroform	111	105	81 - 122	6	30		
2-Hexanone	67	78	49 - 131	15	30		
Chloromethane	97	92	43 - 145	5	30		
cis-1,2-Dichloroethene	106	98	78 - 121	7	30		
1,1,2,2-Tetrachloroethane	78	87	55 - 133	11	30		
cis-1,3-Dichloropropene	88	88	71 - 120	0	30		
Chlorobenzene	94	94	77 - 120	1	30		
Dichlorobromomethane	92	93	72 - 123	1	30		
Ethylbenzene	96	88	74 - 120	8	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	127	119	60 - 144	6	30		
Methyl tert-butyl ether	102	102	73 - 125	0	30		
Cyclohexane	107	102	62 - 135	5	30		
Methylene Chloride	110	106	76 - 123	4	30		
Ethylene Dibromide	84	91	77 - 117	9	30		
m-Xylene & p-Xylene	96	90	78 - 119	7	30		
1,3-Dichlorobenzene	93	90	75 - 120	3	30		
o-Xylene	100	94	79 - 120	6	30		
1,4-Dichlorobenzene	93	91	75 - 120	1	30		
Styrene	89	86	76 - 120	3	30		
Tetrachloroethene	98	92	70 - 136	6	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-241737

Method: 8260C
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-241737/3	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71930.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 0946	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 0946				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-241737/4	Analysis Batch:	460-241737	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B71931.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2014 1027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/10/2014 1027				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorodifluoromethane	107	107	40 - 150	1	30		
Toluene	92	89	78 - 120	4	30		
1,2,4-Trichlorobenzene	97	96	76 - 129	0	30		
1,4-Dioxane	107	110	46 - 150	3	30		
trans-1,2-Dichloroethene	111	106	79 - 120	5	30		
1,2,3-Trichlorobenzene	93	94	72 - 135	0	30		
trans-1,3-Dichloropropene	78	85	71 - 123	8	30		
Trichloroethene	97	94	74 - 120	3	30		
Chlorobromomethane	105	99	70 - 134	6	30		
Trichlorofluoromethane	128	113	65 - 142	12	30		
Isopropylbenzene	108	101	74 - 127	7	30		
Vinyl chloride	113	105	56 - 137	8	30		
1,2-Dichloroethane	100	99	75 - 127	1	30		
Methyl acetate	87	93	62 - 140	7	30		
1,2-Dichlorobenzene	93	94	81 - 120	1	30		
Methylcyclohexane	107	105	64 - 136	3	30		
1,2-Dibromo-3-Chloropropane	68	79	53 - 136	15	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	105	70 - 130
4-Bromofluorobenzene	101	99	64 - 135
Toluene-d8 (Surr)	100	97	70 - 130
Dibromofluoromethane (Surr)	112	109	72 - 137

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240984/1-A	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152421.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/08/2014 1522	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	44	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,2'-oxybis[1-chloropropane]	330	U	37	330
2,3,4,6-Tetrachlorophenol	330	U	43	330
2,4,5-Trichlorophenol	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
2,4-Dichlorophenol	330	U	48	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dinitrophenol	670	U	190	670
2,4-Dinitrotoluene	67	U	11	67
2,6-Dinitrotoluene	67	U	10	67
2-Chloronaphthalene	330	U	37	330
2-Chlorophenol	330	U	44	330
2-Methylnaphthalene	330	U	43	330
2-Methylphenol	330	U	56	330
2-Nitroaniline	330	U	140	330
2-Nitrophenol	330	U	37	330
3,3'-Dichlorobenzidine	330	U	120	330
3-Nitroaniline	330	U	120	330
4,6-Dinitro-2-methylphenol	670	U	90	670
4-Bromophenyl phenyl ether	330	U	33	330
4-Chloro-3-methylphenol	330	U	50	330
4-Chloroaniline	330	U	88	330
4-Chlorophenyl phenyl ether	330	U	39	330
4-Methylphenol	330	U	65	330
4-Nitroaniline	670	U	100	670
4-Nitrophenol	330	U	210	330
Acenaphthene	330	U	48	330
Acenaphthylene	330	U	39	330
Acetophenone	330	U	51	330
Anthracene	330	U	40	330
Atrazine	330	U	51	330
Benzaldehyde	330	U	39	330
Benzo[a]anthracene	33	U	2.3	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[g,h,i]perylene	330	U	25	330
Benzo[k]fluoranthene	33	U	2.5	33
Bis(2-chloroethoxy)methane	330	U	43	330
Bis(2-chloroethyl)ether	33	U	4.5	33
Bis(2-ethylhexyl) phthalate	330	U	110	330
Butyl benzyl phthalate	330	U	30	330
Caprolactam	330	U	76	330
Carbazole	330	U	39	330
Chrysene	330	U	39	330

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240984/1-A	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152421.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/08/2014 1522	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	4.2	33
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Dimethyl phthalate	330	U	39	330
Di-n-butyl phthalate	330	U	41	330
Di-n-octyl phthalate	330	U	21	330
Fluoranthene	330	U	44	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
Hexachlorobutadiene	67	U	8.1	67
Hexachlorocyclopentadiene	330	U	39	330
Hexachloroethane	33	U	3.7	33
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Isophorone	330	U	40	330
Naphthalene	330	U	38	330
Nitrobenzene	33	U	4.7	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	670	U	99	670
Phenanthrene	330	U	42	330
Phenol	330	U	44	330
Pyrene	330	U	28	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	19 - 114
2-Fluorobiphenyl	80	49 - 112
2-Fluorophenol (Surr)	67	39 - 103
Nitrobenzene-d5 (Surr)	77	40 - 106
Phenol-d5 (Surr)	67	44 - 104
Terphenyl-d14 (Surr)	73	41 - 145

Method Blank TICs- Batch: 460-240984

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Aldol condensation product	2.70	8650	A J

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240984/2-A	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	x3667.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/10/2014 1217	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	6670	5090	76	10 - 139	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	19 - 114
2-Fluorobiphenyl	68	49 - 112
2-Fluorophenol (Surr)	61	39 - 103
Nitrobenzene-d5 (Surr)	71	40 - 106
Phenol-d5 (Surr)	66	44 - 104
Terphenyl-d14 (Surr)	77	41 - 145

Lab Control Sample - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240984/3-A	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	x3668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/10/2014 1240	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2660	80	10 - 134	
1,2,4,5-Tetrachlorobenzene	3330	2680	80	45 - 95	
2,2'-oxybis[1-chloropropane]	3330	2370	71	31 - 101	
2,3,4,6-Tetrachlorophenol	3330	2890	87	49 - 104	
2,4,5-Trichlorophenol	3330	2690	81	49 - 96	
2,4,6-Trichlorophenol	3330	2460	74	49 - 96	
2,4-Dichlorophenol	3330	2570	77	50 - 100	
2,4-Dimethylphenol	3330	2550	77	46 - 95	
2,4-Dinitrophenol	6670	6360	95	10 - 139	
2,4-Dinitrotoluene	3330	3150	94	49 - 102	
2,6-Dinitrotoluene	3330	2920	88	52 - 104	
2-Chloronaphthalene	3330	2610	78	49 - 93	
2-Chlorophenol	3330	2350	71	49 - 96	
2-Methylnaphthalene	3330	2810	84	52 - 100	
2-Methylphenol	3330	2570	77	47 - 99	
2-Nitroaniline	3330	2640	79	35 - 92	
2-Nitrophenol	3330	2610	78	51 - 98	
3,3'-Dichlorobenzidine	3330	1690	51	9 - 89	
3-Nitroaniline	3330	1770	53	19 - 90	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240984/3-A	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	x3668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/10/2014 1240	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,6-Dinitro-2-methylphenol	6670	5840	88	14 - 128	
4-Bromophenyl phenyl ether	3330	2740	82	50 - 103	
4-Chloro-3-methylphenol	3330	2780	83	50 - 102	
4-Chloroaniline	3330	1450	43	10 - 86	
4-Chlorophenyl phenyl ether	3330	3010	90	49 - 95	
4-Methylphenol	3330	2540	76	43 - 100	
4-Nitroaniline	3330	2730	82	33 - 102	
4-Nitrophenol	6670	6360	95	34 - 112	
Acenaphthene	3330	2800	84	48 - 99	
Acenaphthylene	3330	2640	79	49 - 97	
Acetophenone	3330	2670	80	10 - 126	
Anthracene	3330	2720	82	51 - 97	
Atrazine	3330	2220	67	10 - 147	
Benzo[a]anthracene	3330	2710	81	51 - 97	
Benzo[a]pyrene	3330	2860	86	59 - 116	
Benzo[b]fluoranthene	3330	3150	94	55 - 115	
Benzo[g,h,i]perylene	3330	2790	84	46 - 120	
Benzo[k]fluoranthene	3330	2870	86	53 - 113	
Bis(2-chloroethoxy)methane	3330	2660	80	48 - 95	
Bis(2-chloroethyl)ether	3330	2530	76	45 - 92	
Bis(2-ethylhexyl) phthalate	3330	2860	86	47 - 102	
Butyl benzyl phthalate	3330	2720	82	47 - 107	
Caprolactam	3330	2550	76	10 - 120	
Carbazole	3330	2810	84	50 - 102	
Chrysene	3330	2580	77	50 - 94	
Dibenz(a,h)anthracene	3330	3060	92	48 - 115	
Dibenzofuran	3330	2820	85	50 - 96	
Diethyl phthalate	3330	3070	92	46 - 100	
Dimethyl phthalate	3330	2880	87	51 - 99	
Di-n-butyl phthalate	3330	3010	90	50 - 99	
Di-n-octyl phthalate	3330	3080	92	43 - 120	
Fluoranthene	3330	2980	89	45 - 101	
Fluorene	3330	3000	90	50 - 95	
Hexachlorobenzene	3330	2870	86	50 - 104	
Hexachlorobutadiene	3330	2780	83	49 - 97	
Hexachlorocyclopentadiene	3330	1930	58	43 - 115	
Hexachloroethane	3330	2490	75	47 - 88	
Indeno[1,2,3-cd]pyrene	3330	3560	107	47 - 124	
Isophorone	3330	2660	80	51 - 100	
Naphthalene	3330	2760	83	48 - 92	
Nitrobenzene	3330	2690	81	33 - 72	*

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240984

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240984/3-A	Analysis Batch:	460-241697	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	x3668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/10/2014 1240	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodi-n-propylamine	3330	2740	82	49 - 99	
N-Nitrosodiphenylamine	3330	2930	88	51 - 103	
Pentachlorophenol	6670	4980	75	37 - 99	
Phenanthrene	3330	2740	82	51 - 97	
Phenol	3330	2330	70	46 - 97	
Pyrene	3330	2540	76	39 - 119	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81	19 - 114
2-Fluorobiphenyl	78	49 - 112
2-Fluorophenol (Surr)	66	39 - 103
Nitrobenzene-d5 (Surr)	77	40 - 106
Phenol-d5 (Surr)	70	44 - 104
Terphenyl-d14 (Surr)	81	41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240984

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64771-B-3-A MS	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/08/2014 1614			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64771-B-3-B MSD	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/08/2014 1640			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	75	80	10 - 134	6	30		
1,2,4,5-Tetrachlorobenzene	73	79	45 - 95	8	30		
2,2'-oxybis[1-chloropropane]	64	67	31 - 101	5	30		
2,3,4,6-Tetrachlorophenol	60	69	49 - 104	14	30		
2,4,5-Trichlorophenol	74	80	49 - 96	8	30		
2,4,6-Trichlorophenol	72	79	49 - 96	9	30		
2,4-Dichlorophenol	71	77	50 - 100	7	30		
2,4-Dimethylphenol	69	73	46 - 95	6	30		
2,4-Dinitrophenol	24	25	10 - 139	4	30		
2,4-Dinitrotoluene	77	83	49 - 102	8	30		
2,6-Dinitrotoluene	79	86	52 - 104	9	30		
2-Chloronaphthalene	73	78	49 - 93	7	30		
2-Chlorophenol	63	68	49 - 96	8	30		
2-Methylnaphthalene	71	77	52 - 100	8	30		
2-Methylphenol	68	73	47 - 99	7	30		
2-Nitroaniline	78	85	35 - 92	8	30		
2-Nitrophenol	65	71	51 - 98	8	30		
3,3'-Dichlorobenzidine	70	75	9 - 89	5	30		
3-Nitroaniline	71	76	19 - 90	6	30		
4,6-Dinitro-2-methylphenol	41	44	14 - 128	6	30		
4-Bromophenyl phenyl ether	79	83	50 - 103	5	30		
4-Chloro-3-methylphenol	74	80	50 - 102	7	30		
4-Chloroaniline	45	50	10 - 86	10	30		
4-Chlorophenyl phenyl ether	73	79	49 - 95	8	30		
4-Methylphenol	67	72	43 - 100	7	30		
4-Nitroaniline	74	81	33 - 102	9	30		
4-Nitrophenol	74	83	34 - 112	12	30		
Acenaphthene	73	79	48 - 99	7	30		
Acenaphthylene	73	79	49 - 97	8	30		
Acetophenone	66	70	10 - 126	6	30		
Anthracene	74	78	51 - 97	5	30		
Atrazine	61	65	10 - 147	6	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240984

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64771-B-3-A MS	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/08/2014 1614			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64771-B-3-B MSD	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/08/2014 1640			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	60	64	10 - 139	7	30	E	E
Benzo[a]anthracene	76	76	51 - 97	0	30		
Benzo[a]pyrene	82	83	59 - 116	1	30		
Benzo[b]fluoranthene	82	81	55 - 115	2	30		
Benzo[g,h,i]perylene	67	67	46 - 120	1	30		
Benzo[k]fluoranthene	81	81	53 - 113	0	30		
Bis(2-chloroethoxy)methane	71	76	48 - 95	7	30		
Bis(2-chloroethyl)ether	64	68	45 - 92	6	30		
Bis(2-ethylhexyl) phthalate	66	68	47 - 102	3	30		
Butyl benzyl phthalate	68	67	47 - 107	0	30		
Caprolactam	66	69	10 - 120	4	30		
Carbazole	76	82	50 - 102	7	30		
Chrysene	76	74	50 - 94	3	30		
Dibenz(a,h)anthracene	76	78	48 - 115	3	30		
Dibenzofuran	73	78	50 - 96	7	30		
Diethyl phthalate	79	83	46 - 100	5	30		
Dimethyl phthalate	81	86	51 - 99	5	30		
Di-n-butyl phthalate	77	82	50 - 99	6	30		
Di-n-octyl phthalate	64	68	43 - 120	7	30		
Fluoranthene	81	81	45 - 101	1	30		
Fluorene	74	81	50 - 95	8	30		
Hexachlorobenzene	76	81	50 - 104	6	30		
Hexachlorobutadiene	71	76	49 - 97	7	30		
Hexachlorocyclopentadiene	33	35	43 - 115	6	30	*	*
Hexachloroethane	55	60	47 - 88	8	30		
Indeno[1,2,3-cd]pyrene	75	77	47 - 124	1	30		
Isophorone	71	76	51 - 100	7	30		
Naphthalene	69	73	48 - 92	6	30		
Nitrobenzene	69	74	33 - 72	6	30		*
N-Nitrosodi-n-propylamine	71	77	49 - 99	9	30		
N-Nitrosodiphenylamine	85	89	51 - 103	5	30		
Pentachlorophenol	59	64	37 - 99	9	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240984

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64771-B-3-A MS	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/08/2014 1614			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64771-B-3-B MSD	Analysis Batch:	460-241389	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240984	Lab File ID:	L1152424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/08/2014 1640			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1014			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	77	79	51 - 97	2	30		
Phenol	67	73	46 - 97	8	30		
Pyrene	65	65	39 - 119	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	63	72	19 - 114
2-Fluorobiphenyl	72	78	49 - 112
2-Fluorophenol (Surr)	59	64	39 - 103
Nitrobenzene-d5 (Surr)	67	73	40 - 106
Phenol-d5 (Surr)	62	67	44 - 104
Terphenyl-d14 (Surr)	60	64	41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240985/1-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152349.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0532	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	44	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,2'-oxybis[1-chloropropane]	330	U	37	330
2,3,4,6-Tetrachlorophenol	330	U	43	330
2,4,5-Trichlorophenol	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
2,4-Dichlorophenol	330	U	48	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dinitrophenol	670	U	190	670
2,4-Dinitrotoluene	67	U	11	67
2,6-Dinitrotoluene	67	U	10	67
2-Chloronaphthalene	330	U	37	330
2-Chlorophenol	330	U	44	330
2-Methylnaphthalene	330	U	43	330
2-Methylphenol	330	U	56	330
2-Nitroaniline	330	U	140	330
2-Nitrophenol	330	U	37	330
3,3'-Dichlorobenzidine	330	U	120	330
3-Nitroaniline	330	U	120	330
4,6-Dinitro-2-methylphenol	670	U	90	670
4-Bromophenyl phenyl ether	330	U	33	330
4-Chloro-3-methylphenol	330	U	50	330
4-Chloroaniline	330	U	88	330
4-Chlorophenyl phenyl ether	330	U	39	330
4-Methylphenol	330	U	65	330
4-Nitroaniline	670	U	100	670
4-Nitrophenol	330	U	210	330
Acenaphthene	330	U	48	330
Acenaphthylene	330	U	39	330
Acetophenone	330	U	51	330
Anthracene	330	U	40	330
Atrazine	330	U	51	330
Benzaldehyde	330	U	39	330
Benzo[a]anthracene	33	U	2.3	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[g,h,i]perylene	330	U	25	330
Benzo[k]fluoranthene	33	U	2.5	33
Bis(2-chloroethoxy)methane	330	U	43	330
Bis(2-chloroethyl)ether	33	U	4.5	33
Bis(2-ethylhexyl) phthalate	330	U	110	330
Butyl benzyl phthalate	330	U	30	330
Caprolactam	330	U	76	330
Carbazole	330	U	39	330
Chrysene	330	U	39	330

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-240985/1-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152349.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0532	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	4.2	33
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Dimethyl phthalate	330	U	39	330
Di-n-butyl phthalate	330	U	41	330
Di-n-octyl phthalate	330	U	21	330
Fluoranthene	330	U	44	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
Hexachlorobutadiene	67	U	8.1	67
Hexachlorocyclopentadiene	330	U	39	330
Hexachloroethane	33	U	3.7	33
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Isophorone	330	U	40	330
Naphthalene	330	U	38	330
Nitrobenzene	33	U	4.7	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	670	U	99	670
Phenanthrene	330	U	42	330
Phenol	330	U	44	330
Pyrene	330	U	28	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71	19 - 114
2-Fluorobiphenyl	72	49 - 112
2-Fluorophenol (Surr)	73	39 - 103
Nitrobenzene-d5 (Surr)	75	40 - 106
Phenol-d5 (Surr)	78	44 - 104
Terphenyl-d14 (Surr)	82	41 - 145

Method Blank TICs- Batch: 460-240985

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Aldol condensation product	2.71	8570	A J

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240985/2-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152350.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0558	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	6670	4930	74	10 - 139	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	71	19 - 114
2-Fluorobiphenyl	68	49 - 112
2-Fluorophenol (Surr)	67	39 - 103
Nitrobenzene-d5 (Surr)	71	40 - 106
Phenol-d5 (Surr)	70	44 - 104
Terphenyl-d14 (Surr)	79	41 - 145

Lab Control Sample - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240985/3-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0624	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2270	68	10 - 134	
1,2,4,5-Tetrachlorobenzene	3330	2270	68	45 - 95	
2,2'-oxybis[1-chloropropane]	3330	2170	65	31 - 101	
2,3,4,6-Tetrachlorophenol	3330	2470	74	49 - 104	
2,4,5-Trichlorophenol	3330	2320	70	49 - 96	
2,4,6-Trichlorophenol	3330	2320	70	49 - 96	
2,4-Dichlorophenol	3330	2290	69	50 - 100	
2,4-Dimethylphenol	3330	2250	67	46 - 95	
2,4-Dinitrophenol	6670	5070	76	10 - 139	
2,4-Dinitrotoluene	3330	2390	72	49 - 102	
2,6-Dinitrotoluene	3330	2360	71	52 - 104	
2-Chloronaphthalene	3330	2250	67	49 - 93	
2-Chlorophenol	3330	2200	66	49 - 96	
2-Methylnaphthalene	3330	2290	69	52 - 100	
2-Methylphenol	3330	2220	67	47 - 99	
2-Nitroaniline	3330	2310	69	35 - 92	
2-Nitrophenol	3330	2380	72	51 - 98	
3,3'-Dichlorobenzidine	3330	1400	42	9 - 89	
3-Nitroaniline	3330	1650	50	19 - 90	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240985/3-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0624	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,6-Dinitro-2-methylphenol	6670	5260	79	14 - 128	
4-Bromophenyl phenyl ether	3330	2380	72	50 - 103	
4-Chloro-3-methylphenol	3330	2320	70	50 - 102	
4-Chloroaniline	3330	1260	38	10 - 86	
4-Chlorophenyl phenyl ether	3330	2280	68	49 - 95	
4-Methylphenol	3330	2290	69	43 - 100	
4-Nitroaniline	3330	2300	69	33 - 102	
4-Nitrophenol	6670	5000	75	34 - 112	
Acenaphthene	3330	2270	68	48 - 99	
Acenaphthylene	3330	2270	68	49 - 97	
Acetophenone	3330	2280	68	10 - 126	
Anthracene	3330	2320	70	51 - 97	
Atrazine	3330	1750	52	10 - 147	
Benzo[a]anthracene	3330	2260	68	51 - 97	
Benzo[a]pyrene	3330	2490	75	59 - 116	
Benzo[b]fluoranthene	3330	2520	76	55 - 115	
Benzo[g,h,i]perylene	3330	2290	69	46 - 120	
Benzo[k]fluoranthene	3330	2510	75	53 - 113	
Bis(2-chloroethoxy)methane	3330	2260	68	48 - 95	
Bis(2-chloroethyl)ether	3330	2210	66	45 - 92	
Bis(2-ethylhexyl) phthalate	3330	2320	70	47 - 102	
Butyl benzyl phthalate	3330	2390	72	47 - 107	
Caprolactam	3330	2420	73	10 - 120	
Carbazole	3330	2290	69	50 - 102	
Chrysene	3330	2290	69	50 - 94	
Dibenz(a,h)anthracene	3330	2440	73	48 - 115	
Dibenzofuran	3330	2260	68	50 - 96	
Diethyl phthalate	3330	2300	69	46 - 100	
Dimethyl phthalate	3330	2290	69	51 - 99	
Di-n-butyl phthalate	3330	2270	68	50 - 99	
Di-n-octyl phthalate	3330	2510	75	43 - 120	
Fluoranthene	3330	2240	67	45 - 101	
Fluorene	3330	2350	71	50 - 95	
Hexachlorobenzene	3330	2390	72	50 - 104	
Hexachlorobutadiene	3330	2310	69	49 - 97	
Hexachlorocyclopentadiene	3330	2340	70	43 - 115	
Hexachloroethane	3330	2180	65	47 - 88	
Indeno[1,2,3-cd]pyrene	3330	2310	69	47 - 124	
Isophorone	3330	2210	66	51 - 100	
Naphthalene	3330	2240	67	48 - 92	
Nitrobenzene	3330	2290	69	33 - 72	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240985

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-240985/3-A	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/07/2014 0624	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodi-n-propylamine	3330	2450	73	49 - 99	
N-Nitrosodiphenylamine	3330	2540	76	51 - 103	
Pentachlorophenol	6670	4850	73	37 - 99	
Phenanthrene	3330	2300	69	51 - 97	
Phenol	3330	2210	66	46 - 97	
Pyrene	3330	2450	74	39 - 119	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	68	19 - 114
2-Fluorobiphenyl	68	49 - 112
2-Fluorophenol (Surr)	64	39 - 103
Nitrobenzene-d5 (Surr)	67	40 - 106
Phenol-d5 (Surr)	66	44 - 104
Terphenyl-d14 (Surr)	76	41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240985

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64772-B-9-A MS	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152368.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/07/2014 1349			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64772-B-9-B MSD	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152369.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 1415			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	63	68	10 - 134	8	30		
1,2,4,5-Tetrachlorobenzene	61	66	45 - 95	8	30		
2,2'-oxybis[1-chloropropane]	58	63	31 - 101	9	30		
2,3,4,6-Tetrachlorophenol	47	56	49 - 104	17	30	*	
2,4,5-Trichlorophenol	61	70	49 - 96	14	30		
2,4,6-Trichlorophenol	62	69	49 - 96	11	30		
2,4-Dichlorophenol	62	70	50 - 100	11	30		
2,4-Dimethylphenol	62	66	46 - 95	7	30		
2,4-Dinitrophenol	28	29	10 - 139	5	30		
2,4-Dinitrotoluene	68	78	49 - 102	13	30		
2,6-Dinitrotoluene	70	79	52 - 104	12	30		
2-Chloronaphthalene	62	67	49 - 93	8	30		
2-Chlorophenol	60	66	49 - 96	11	30		
2-Methylnaphthalene	61	68	52 - 100	11	30		
2-Methylphenol	64	70	47 - 99	8	30		
2-Nitroaniline	69	76	35 - 92	10	30		
2-Nitrophenol	64	69	51 - 98	8	30		
3,3'-Dichlorobenzidine	58	58	9 - 89	1	30		
3-Nitroaniline	56	64	19 - 90	14	30		
4,6-Dinitro-2-methylphenol	41	47	14 - 128	12	30		
4-Bromophenyl phenyl ether	68	76	50 - 103	10	30		
4-Chloro-3-methylphenol	66	74	50 - 102	12	30		
4-Chloroaniline	36	40	10 - 86	10	30		
4-Chlorophenyl phenyl ether	62	70	49 - 95	13	30		
4-Methylphenol	65	72	43 - 100	10	30		
4-Nitroaniline	59	68	33 - 102	14	30		
4-Nitrophenol	66	76	34 - 112	14	30		
Acenaphthene	57	64	48 - 99	10	30		
Acenaphthylene	63	69	49 - 97	9	30		
Acetophenone	62	69	10 - 126	10	30		
Anthracene	55	62	51 - 97	10	30		
Atrazine	53	60	10 - 147	13	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240985

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64772-B-9-A MS	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152368.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/07/2014 1349			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64772-B-9-B MSD	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152369.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 1415			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	57	59	10 - 139	3	30		
Benzo[a]anthracene	54	55	51 - 97	1	30		
Benzo[a]pyrene	61	61	59 - 116	1	30		
Benzo[b]fluoranthene	58	54	55 - 115	5	30		*
Benzo[g,h,i]perylene	51	53	46 - 120	3	30		
Benzo[k]fluoranthene	58	64	53 - 113	9	30		
Bis(2-chloroethoxy)methane	63	68	48 - 95	8	30		
Bis(2-chloroethyl)ether	58	64	45 - 92	9	30		
Bis(2-ethylhexyl) phthalate	61	66	47 - 102	8	30		
Butyl benzyl phthalate	61	66	47 - 107	8	30		
Caprolactam	73	84	10 - 120	13	30		
Carbazole	58	66	50 - 102	11	30		
Chrysene	52	53	50 - 94	2	30		
Dibenz(a,h)anthracene	65	69	48 - 115	6	30		
Dibenzofuran	59	66	50 - 96	11	30		
Diethyl phthalate	67	76	46 - 100	12	30		
Dimethyl phthalate	69	77	51 - 99	10	30		
Di-n-butyl phthalate	65	74	50 - 99	12	30		
Di-n-octyl phthalate	49	53	43 - 120	7	30		
Fluoranthene	38	35	45 - 101	3	30	*	*
Fluorene	59	67	50 - 95	12	30		
Hexachlorobenzene	66	74	50 - 104	11	30		
Hexachlorobutadiene	58	63	49 - 97	8	30		
Hexachlorocyclopentadiene	38	39	43 - 115	2	30	*	*
Hexachloroethane	51	54	47 - 88	7	30		
Indeno[1,2,3-cd]pyrene	60	61	47 - 124	1	30		
Isophorone	62	67	51 - 100	9	30		
Naphthalene	58	63	48 - 92	9	30		
Nitrobenzene	59	64	33 - 72	7	30		
N-Nitrosodi-n-propylamine	69	77	49 - 99	10	30		
N-Nitrosodiphenylamine	74	81	51 - 103	9	30		
Pentachlorophenol	40	44	37 - 99	10	30		

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240985

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	480-64772-B-9-A MS	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152368.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/07/2014 1349			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-64772-B-9-B MSD	Analysis Batch:	460-241146	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-240985	Lab File ID:	L1152369.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/07/2014 1415			Final Weight/Volume:	0.5 mL
Prep Date:	08/06/2014 1023			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	36	39	51 - 97	4	30	*	*
Phenol	65	72	46 - 97	10	30		
Pyrene	41	37	39 - 119	5	30		*

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	54	64	19 - 114
2-Fluorobiphenyl	63	69	49 - 112
2-Fluorophenol (Surr)	56	62	39 - 103
Nitrobenzene-d5 (Surr)	59	64	40 - 106
Phenol-d5 (Surr)	60	68	44 - 104
Terphenyl-d14 (Surr)	59	65	41 - 145

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240903

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 460-240903/1-A	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013415.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1106	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
Chlordane (technical)	67	U	19	67
delta-BHC	6.7	U	1.2	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	76 - 149
Tetrachloro-m-xylene	105	72 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	76 - 149
Tetrachloro-m-xylene	99	72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240903

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240903/2-A	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013416.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1120	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	118	88	50 - 131	
4,4'-DDE	133	116	87	49 - 130	
4,4'-DDT	133	118	89	48 - 132	
Aldrin	133	122	91	53 - 126	
alpha-BHC	133	116	87	50 - 129	
beta-BHC	133	115	87	51 - 131	
delta-BHC	133	120	90	40 - 130	
Dieldrin	133	119	89	48 - 126	
Endosulfan I	133	120	90	53 - 127	
Endosulfan II	133	118	89	52 - 127	
Endosulfan sulfate	133	121	91	52 - 124	
Endrin	133	114	85	48 - 126	
Endrin aldehyde	133	124	93	57 - 124	
Endrin ketone	133	121	91	55 - 124	
gamma-BHC (Lindane)	133	121	90	52 - 129	
Heptachlor	133	120	90	52 - 128	
Heptachlor epoxide	133	118	88	53 - 122	
Methoxychlor	133	115	86	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	76 - 149
Tetrachloro-m-xylene	88	72 - 136

Lab Control Sample - Batch: 460-240903

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240903/2-A	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013416.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1120	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	115	86	50 - 131	
4,4'-DDE	133	115	86	49 - 130	
4,4'-DDT	133	116	87	48 - 132	
Aldrin	133	112	84	53 - 126	
alpha-BHC	133	109	82	50 - 129	
beta-BHC	133	111	84	51 - 131	

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240903

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-240903/2-A	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013416.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1120	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	119	89	40 - 130	
Dieldrin	133	117	88	48 - 126	
Endosulfan I	133	119	89	53 - 127	
Endosulfan II	133	118	88	52 - 127	
Endosulfan sulfate	133	121	91	52 - 124	
Endrin	133	112	84	48 - 126	
Endrin aldehyde	133	124	93	57 - 124	
Endrin ketone	133	119	89	55 - 124	
gamma-BHC (Lindane)	133	117	88	52 - 129	
Heptachlor	133	120	90	52 - 128	
Heptachlor epoxide	133	117	88	53 - 122	
Methoxychlor	133	114	86	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	76 - 149
Tetrachloro-m-xylene	87	72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240903

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80249-A-1-B MS	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013417.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0005 g
Analysis Date:	08/06/2014 1134			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80249-A-1-C MSD	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013418.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.9980 g
Analysis Date:	08/06/2014 1147			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	104	96	69 - 150	8	30		
4,4'-DDE	106	98	70 - 147	8	30		
4,4'-DDT	102	94	63 - 146	8	30		
Aldrin	109	98	69 - 138	11	30		
alpha-BHC	109	100	68 - 133	9	30		
beta-BHC	106	96	67 - 137	10	30		
delta-BHC	112	101	65 - 141	11	30		
Dieldrin	105	97	63 - 129	8	30		
Endosulfan I	106	98	69 - 140	7	30		
Endosulfan II	102	95	66 - 136	8	30		
Endosulfan sulfate	106	96	65 - 137	9	30		
Endrin	102	94	67 - 142	8	30		
Endrin aldehyde	105	98	67 - 134	7	30		
Endrin ketone	103	94	68 - 146	9	30		
gamma-BHC (Lindane)	113	102	68 - 134	10	30		
Heptachlor	111	101	67 - 136	10	30		
Heptachlor epoxide	106	98	68 - 136	7	30		
Methoxychlor	100	92	52 - 150	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	88	76 - 149
Tetrachloro-m-xylene	113	100	72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240903

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-80249-A-1-B MS	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013417.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0005 g
Analysis Date:	08/06/2014 1134			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80249-A-1-C MSD	Analysis Batch:	460-241002	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-240903	Lab File ID:	PR013418.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.9980 g
Analysis Date:	08/06/2014 1147			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	97	93	69 - 150	4	30		
4,4'-DDE	100	95	70 - 147	5	30		
4,4'-DDT	95	92	63 - 146	4	30		
Aldrin	105	95	69 - 138	10	30		
alpha-BHC	101	96	68 - 133	6	30		
beta-BHC	100	94	67 - 137	6	30		
delta-BHC	108	99	65 - 141	8	30		
Dieldrin	99	95	63 - 129	4	30		
Endosulfan I	98	94	69 - 140	5	30		
Endosulfan II	96	93	66 - 136	4	30		
Endosulfan sulfate	94	91	65 - 137	4	30		
Endrin	98	93	67 - 142	5	30		
Endrin aldehyde	98	94	67 - 134	4	30		
Endrin ketone	94	90	68 - 146	4	30		
gamma-BHC (Lindane)	108	101	68 - 134	7	30		
Heptachlor	108	98	67 - 136	10	30		
Heptachlor epoxide	100	92	68 - 136	8	30		
Methoxychlor	94	90	52 - 150	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	79	76 - 149
Tetrachloro-m-xylene	111	96	72 - 136

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240906

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-240906/1-A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085459.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1348	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor-1262	67	U	19	67
Aroclor 1268	67	U	19	67
Polychlorinated biphenyls, Total	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	53 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Lab Control Sample - Batch: 460-240906

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240906/2-A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085460.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1407	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	351	105	64 - 145	
Aroclor 1260	333	357	107	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	53 - 150

Lab Control Sample - Batch: 460-240906

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-240906/2-A	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085460.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/06/2014 1407	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	342	103	64 - 145	
Aroclor 1260	333	345	104	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240906

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80357-B-1-F MS	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085462.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.9936 g
Analysis Date:	08/06/2014 1445			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-80357-B-1-G MSD	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085463.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0052 g
Analysis Date:	08/06/2014 1504			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	106	107	64 - 145	1	30		
Aroclor 1260	113	112	59 - 150	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	107	53 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-240906

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-80357-B-1-F MS	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085462.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	14.9936 g
Analysis Date:	08/06/2014 1445			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-80357-B-1-G MSD	Analysis Batch:	460-241046	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-240906	Lab File ID:	T085463.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0052 g
Analysis Date:	08/06/2014 1504			Final Weight/Volume:	10 mL
Prep Date:	08/06/2014 0249			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	104	106	64 - 145	2	30		
Aroclor 1260	104	106	59 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	101	53 - 150

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-240928

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-240928/1-A ^2	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240928	Lab File ID:	241197.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/07/2014 1345	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.19	1.0
Aluminum	20.0	U	11.1	20.0
Arsenic	1.5	U	0.41	1.5
Barium	20.0	U	0.87	20.0
Beryllium	0.20	U	0.14	0.20
Calcium	500	U	38.3	500
Cadmium	0.40	U	0.14	0.40
Cobalt	5.0	U	0.45	5.0
Chromium	1.0	U	0.40	1.0
Copper	2.5	U	0.88	2.5
Iron	15.0	U	12.5	15.0
Potassium	500	U	13.8	500
Magnesium	500	U	33.2	500
Manganese	1.5	U	0.43	1.5
Sodium	500	U	37.8	500
Nickel	4.0	U	0.90	4.0
Lead	1.0	U	0.41	1.0
Antimony	2.0	U	0.76	2.0
Selenium	2.0	U	0.57	2.0
Thallium	2.0	U	0.98	2.0
Vanadium	5.0	U	0.41	5.0
Zinc	3.0	U	0.86	3.0

Client: FPM Group Limited

Job Number: 460-80555-1

LCS-Certified Reference Material - Batch: 460-240928

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-240928/2-A	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240928	Lab File ID:	241197.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	08/07/2014 1349	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	42.3	40.36	95.4	66.2 - 134.0	
Aluminum	9310	7065	75.9	43.3 - 156.8	
Arsenic	168	158.0	94.1	70.8 - 129.8	
Barium	213	205.9	96.7	73.2 - 126.8	
Beryllium	110	112.1	101.9	75.1 - 125.5	
Calcium	6870	7101	103.4	74.4 - 125.8	
Cadmium	103	117.4	114.0	73.0 - 126.2	
Cobalt	131	146.5	111.9	74.4 - 125.2	
Chromium	119	122.9	103.3	69.7 - 129.4	
Copper	118	124.3	105.4	74.6 - 124.6	
Iron	13000	12500	96.2	32.2 - 167.7	
Potassium	3130	2628	84.0	62.9 - 136.7	
Magnesium	2780	2446	88.0	65.1 - 135.3	
Manganese	338	369.9	109.4	75.4 - 125.1	
Sodium	350	295.8	84.5	42.9 - 156.9	J
Nickel	70.0	82.12	117.3	70.9 - 129.0	
Lead	76.9	78.00	101.4	68.7 - 131.3	
Antimony	120	221.2	184.3	20.8 - 252.5	
Selenium	126	129.4	102.7	66.7 - 134.1	
Thallium	208	227.5	109.4	69.2 - 130.8	
Vanadium	87.1	87.47	100.4	63.1 - 136.6	
Zinc	276	293.7	106.4	71.4 - 128.6	

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike - Batch: 460-240928

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80498-A-1-C MS ^1	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240928	Lab File ID:	241197.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	08/07/2014 1403	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	5.8	U	5.72	5.77	101	75 - 125	
Aluminum	34000		229	41130	3127	75 - 125	4
Arsenic	8.7	U	229	193.0	84	75 - 125	
Barium	125		229	353.1	100	75 - 125	
Beryllium	0.89	J	5.72	6.44	97	75 - 125	
Calcium	1710	J	2290	3943	98	75 - 125	
Cadmium	2.3	U	5.72	4.83	84	75 - 125	
Cobalt	34.2		57.2	108.0	129	75 - 125	N
Chromium	132		22.9	176.1	192	75 - 125	4
Copper	101		28.6	139.8	137	75 - 125	N
Iron	62500		114	72520	8775	75 - 125	4
Potassium	845	J	2290	3056	97	75 - 125	
Magnesium	5990		2290	8756	121	75 - 125	
Manganese	1360		57.2	2446	1894	75 - 125	4
Sodium	2890	U	2290	2169	95	75 - 125	J
Nickel	45.0		57.2	111.4	116	75 - 125	
Lead	7.7		57.2	65.20	100	75 - 125	
Antimony	11.5	U	57.2	24.97	44	75 - 125	N
Selenium	11.5	U	229	199.9	87	75 - 125	
Thallium	11.5	U	229	224.4	98	75 - 125	
Vanadium	164		57.2	249.6	149	75 - 125	N
Zinc	80.8		57.2	146.1	114	75 - 125	

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-240928

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80498-A-1-B DU ^1	Analysis Batch:	460-241575	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-240928	Lab File ID:	241197.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	08/07/2014 1352	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/06/2014 0715				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	5.8	U	5.5	NC	20	U
Aluminum	34000		31830	7	20	
Arsenic	8.7	U	8.3	NC	20	U
Barium	125		117.4	6	20	
Beryllium	0.89	J	0.829	7	20	J
Calcium	1710	J	1600	7	20	J
Cadmium	2.3	U	2.2	NC	20	U
Cobalt	34.2		32.51	5	20	
Chromium	132		123.6	7	20	
Copper	101		94.23	7	20	
Iron	62500		58600	6	20	
Potassium	845	J	814.0	4	20	J
Magnesium	5990		5590	7	20	
Manganese	1360		1276	7	20	
Sodium	2890	U	2750	NC	20	U
Nickel	45.0		42.50	6	20	
Lead	7.7		7.43	4	20	
Antimony	11.5	U	11.0	NC	20	U
Selenium	11.5	U	11.0	NC	20	U
Thallium	11.5	U	11.0	NC	20	U
Vanadium	164		153.6	7	20	
Zinc	80.8		76.11	6	20	

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241172

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-241172/1-A ^4	Analysis Batch:	460-241474	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/07/2014 1951	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	2.0	U	0.39	2.0
Aluminum	40.0	U	22.1	40.0
Arsenic	3.0	U	0.82	3.0
Barium	40.0	U	1.7	40.0
Beryllium	0.40	U	0.27	0.40
Calcium	1000	U	76.5	1000
Cadmium	0.80	U	0.28	0.80
Cobalt	10.0	U	0.90	10.0
Chromium	2.0	U	0.80	2.0
Copper	5.0	U	1.8	5.0
Iron	30.0	U	24.9	30.0
Potassium	1000	U	27.6	1000
Magnesium	1000	U	66.4	1000
Manganese	3.0	U	0.86	3.0
Sodium	1000	U	75.6	1000
Nickel	8.0	U	1.8	8.0
Lead	2.0	U	0.82	2.0
Antimony	4.0	U	1.5	4.0
Selenium	4.0	U	1.1	4.0
Thallium	4.0	U	2.0	4.0
Vanadium	10.0	U	0.83	10.0
Zinc	6.0	U	1.7	6.0

Client: FPM Group Limited

Job Number: 460-80555-1

LCS-Certified Reference Material - Batch: 460-241172

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-241172/2-A	Analysis Batch:	460-241474	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/07/2014 1954	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	42.3	39.53	93.5	66.2 - 134.0	
Aluminum	9310	7139	76.7	43.3 - 156.8	
Arsenic	168	158.0	94.0	70.8 - 129.8	
Barium	213	202.5	95.1	73.2 - 126.8	
Beryllium	110	99.51	90.5	75.1 - 125.5	
Calcium	6870	6598	96.0	74.4 - 125.8	
Cadmium	103	100.3	97.4	73.0 - 126.2	
Cobalt	131	131.0	100	74.4 - 125.2	
Chromium	119	112.1	94.2	69.7 - 129.4	
Copper	118	108.4	91.8	74.6 - 124.6	
Iron	13000	12620	97.1	32.2 - 167.7	
Potassium	3130	2622	83.8	62.9 - 136.7	
Magnesium	2780	2425	87.2	65.1 - 135.3	
Manganese	338	335.7	99.3	75.4 - 125.1	
Sodium	350	262.5	75.0	42.9 - 156.9	J
Nickel	70.0	70.45	100.6	70.9 - 129.0	
Lead	76.9	76.39	99.3	68.7 - 131.3	
Antimony	120	207.5	172.9	20.8 - 252.5	
Selenium	126	119.5	94.9	66.7 - 134.1	
Thallium	208	214.7	103.2	69.2 - 130.8	
Vanadium	87.1	82.73	95.0	63.1 - 136.6	
Zinc	276	271.4	98.3	71.4 - 128.6	

Client: FPM Group Limited

Job Number: 460-80555-1

Matrix Spike - Batch: 460-241172

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80332-E-1-F MS ^4	Analysis Batch:	460-241474	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.12 g
Analysis Date:	08/07/2014 2009	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.9	U	4.61	4.73	103	75 - 125	
Aluminum	1540		184	2012	256	75 - 125	4
Arsenic	1.1	J	184	193.0	104	75 - 125	
Barium	6.6	J	184	209.5	110	75 - 125	
Beryllium	0.39	U	4.61	4.82	105	75 - 125	
Calcium	681	J	1840	2462	97	75 - 125	
Cadmium	0.77	U	4.61	5.04	109	75 - 125	
Cobalt	1.2	J	46.1	52.38	111	75 - 125	
Chromium	11.2		18.4	81.20	380	75 - 125	N
Copper	3.9	J	23.0	28.86	108	75 - 125	
Iron	3540		92.1	5473	2094	75 - 125	4
Potassium	142	J	1840	1966	99	75 - 125	
Magnesium	311	J	1840	2114	98	75 - 125	
Manganese	73.0		46.1	118.7	99	75 - 125	
Sodium	965	U	1840	1850	100	75 - 125	
Nickel	2.7	J	46.1	55.27	114	75 - 125	
Lead	1.9		46.1	54.29	114	75 - 125	
Antimony	3.9	U	46.1	41.47	90	75 - 125	
Selenium	3.9	U	184	192.8	105	75 - 125	
Thallium	3.9	U	184	210.5	114	75 - 125	
Vanadium	3.7	J	46.1	55.07	112	75 - 125	
Zinc	5.4	J	46.1	56.85	112	75 - 125	

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-241172

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-80332-E-1-E DU ^4	Analysis Batch:	460-241474	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-241172	Lab File ID:	241172.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	08/07/2014 1958	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/07/2014 0712				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	1.9	U	2.0	NC	20	U
Aluminum	1540		1605	4	20	
Arsenic	1.1	J	1.32	18	20	J
Barium	6.6	J	6.81	3	20	J
Beryllium	0.39	U	0.40	NC	20	U
Calcium	681	J	716.9	5	20	J
Cadmium	0.77	U	0.79	NC	20	U
Cobalt	1.2	J	1.23	6	20	J
Chromium	11.2		11.68	4	20	
Copper	3.9	J	4.19	7	20	J
Iron	3540		3697	4	20	
Potassium	142	J	137.9	3	20	J
Magnesium	311	J	326.5	5	20	J
Manganese	73.0		76.93	5	20	
Sodium	965	U	992	NC	20	U
Nickel	2.7	J	2.79	2	20	J
Lead	1.9		2.02	5	20	
Antimony	3.9	U	4.0	NC	20	U
Selenium	3.9	U	4.0	NC	20	U
Thallium	3.9	U	4.0	NC	20	U
Vanadium	3.7	J	3.87	6	20	J
Zinc	5.4	J	5.57	2	20	J

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241401

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-241401/10-A	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/08/2014 1021	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-241401

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-241401/11-A	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/08/2014 1023	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	23.29	92.8	51.4 - 148.2	

Matrix Spike - Batch: 460-241401

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80555-7	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	08/08/2014 1029	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.016	U	0.0797	0.0837	105	75 - 125	

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-241401

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80555-7	Analysis Batch:	460-241501	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241401	Lab File ID:	241398HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	08/08/2014 1027	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/08/2014 0530				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.016	U	0.016	NC	20	U

Client: FPM Group Limited

Job Number: 460-80555-1

Method Blank - Batch: 460-241764

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-241764/1-A	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1742	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-241764

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-241764/2-A ^5	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1744	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	22.08	88.0	51.4 - 148.2	

Matrix Spike - Batch: 460-241764

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80555-15	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1750	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.018	U	0.0860	0.0823	96	75 - 125	

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-241764

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-80555-15	Analysis Batch:	460-241773	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-241764	Lab File ID:	241760.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/10/2014 1748	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2014 1119				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.018	U	0.018	NC	20	U

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-240979

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-80555-13	Analysis Batch:	460-240979	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/06/2014 0956	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	4.0	5.0	21	20	
Percent Solids	96.0	95.0	1	20	

Client: FPM Group Limited

Job Number: 460-80555-1

Duplicate - Batch: 460-240983

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-80515-A-3 DU	Analysis Batch:	460-240983	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/06/2014 1011	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.5	13.5	14	20	
Percent Solids	84.5	86.5	2	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

460-80555 Chain of Custody

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTOD'

Name (for report and invoice) George Holmes	Samplers Name (Printed) George Holmes	Site/Project Identification Farrington Realty
Company FPM Group	P. O. # 1135g-14-03	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: Report w/ Batch QA/QC
Address 909 Marconi Avenue	Analysis Turnaround Time: Standard ☒	
City Ronkonkoma State NY 11779	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone (631) 737-6200 Fax (631) 737-2418		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 80555

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals						Sample Numbers
B-3 (0-2)	8/4/14	7:15	S	5	X	X	X	X	X						-1
B-3 (25-27)		7:30													-2
B-2 (0-2)		8:00													-3
B-2 (25-27)		8:15													-4
B-1 (0-2)		8:45													-5
B-1D (0-2)		9:00													-6
B-1 (25-27)		9:15													-7
B-13 (0-2)		10:00													-8
B-13 (25-27)		10:15													-9
B-10 (0-2)		10:45													-10

SHORT HOLD

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH	Soil:	1	1	1	1	1
6 = Other _____, 7 = Other _____	Water:					

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
	FPM Group	8/5/14 10:50	1)	TA
2)	T.A. N.Y.C	8/5/14 17:15	2)	TA Gd 8/5/14 17:50
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.2 / 3.2 1.3 / 3.2 TRH JN OC.

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): George Holmer	Samplers Name (Printed): George Holmer	Site/Project Identification: Farrington Realty
Company: FPM Group	P. O. #: 1135g-14-03	State (Location of site): NJ: [ ] NY: [X] Other:
		Regulatory Program: Report w/ Batch QA/QC
Address: 909 Marconi Avenue	Analysis Turnaround Time: Standard [X]; Rush Chrages Authorized For: 2 Week [ ], 1 Week [ ], Other [ ]	LAB USE ONLY Project No:
City: Ronkonkoma State: NY 11779		Job No: 80555
Phone: (631) 737-6200 Fax: (631) 737-2410		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC's 8260	SVOC's 8270	PCB's 8082	Pesticides 8081	TAL Metals							Sample Numbers
B-10 (25-27)	8/4/14	11:00	S	5	X	X	X	X	X							-11
B-9 (0-2)	↓	11:45	↓	↓	↓	↓	↓	↓	↓							-12
B-9 (25-27)		12:00														-13
B-8 (0-2)		13:00														-14
B-8 (25-27)		13:15														-15
B-7 (0-2)		14:00														-16
B-7 (25-27)		14:15	↓	↓		↓	↓	↓	↓							-17
TB0804	↓	7:00	Aq	2	↓											-18

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____												
Soil:	1	1	1	1	1							
Water:	1,2											

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	FPM Group	8/5/14 10:50	1) [signature]	TA
2) [signature]	F.H. NY	8/5/14 17:10	2) [signature]	TA 8/5/14 17:56
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.3 / 3.2 1.3 / 3.2 FRH J Nov.

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 86555

Number of Coolers: 2 IR Gun # 8

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.1 °C	1.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1 °C	1.2 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [illegible] Date: 8/5/14

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-80555-1

Login Number: 80555

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2°C, 3.2°C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

APPENDIX 6

LABORATORY DATA DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

CENTEK LABORATORIES, LLC

143 Midler Park Drive * Syracuse, NY 13206
Phone (315) 431-9730 * Emergency 24/7 (315) 416-2752
NYSDOH ELAP Certificate No. 11830

Analytical Report

George Holmes
FPM Group, Ltd.
909 Marconi Avenue
Ronkonkoma, NY 11779

TEL: (631) 737-6200
FAX
RE: Farrington Realty

Wednesday, August 06, 2014
Order No.: C1408005

Dear George Holmes:

Centek Laboratories, LLC received 11 sample(s) on 8/1/2014 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Centek Laboratories performs all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services. Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek as contained in this report are believed by Centek to be accurate and reliable

for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages. ELAP does not offer certification for the following parameters by this method at present time, they are: 4-ethyltoluene, ethyl acetate, propylene, 4-PCH, sulfur derived and silcon series compounds.

Centek Laboratories, LLC Terms and Conditions

Sample Submission

All samples sent to Centek Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website www.CentekLabs.com. Samples received after 3:00pm are considered to be a part of the next day's business.

Sample Media

Samples can be collected in an canister or a Tedlar bag. Depending on your analytical needs, Centek Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

Sampling Equipment

Centek Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

Turn Around time (TAT)

Centek Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages are within 3-4 weeks from time of analysis. Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit application on file to extend credit. Purchase orders or checks information must be submitted

for us to release results

Rush Turnaround Samples

Expedited turn around times is available. Please confirm rush turnaround times with Client Services before submitting samples.

Applicable Surcharges for Rush Turnaround Samples:
Same day TAT = 200%
Next business day TAT by Noon = 150%
Next business day TAT by 6:00pm = 100%
Second business day TAT by 6:00pm = 75%
Third business day TAT by 6:00pm = 50%
Fourth business day TAT by 6:00pm = 35%
Fifth business day = Standard

Statement of Confidentiality

Centek Laboratories, LLC is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

Limitation on Liability

Centek Laboratories, LLC warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek Laboratories, LLC. In no event shall Centek Laboratories, LLC be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek Laboratories, LLC has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.

CENTEK LABORATORIES, LLC

Date: *13-Aug-14*

CLIENT: FPM Group, Ltd.
Project: Farrington Realty
Lab Order: C1408005

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999 and Centek Laboratories, LLC SOP TS-80:

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

NYSDEC ASP samples:
Canisters should be evacuated to a reading of less than or equal to 50 millitorr prior to shipment to sampling personnel. The vacuum in the canister will be field checked prior to sampling, and must read 28" of Hg (±2", vacuum, absolute) before a sample can be collected. After the sample has been collected, the pressure of the canister will be read and recorded again, and must be 5" of Hg (±1", vacuum, absolute) for the sample to be valid. Once received at the laboratory, the canister vacuum should be confirmed to be 5" of Hg,±1". Please record and report the pressure/vacuum of received canisters on the sample receipt paperwork. A pressure/vacuum reading should also be taken just prior to the withdrawal of sample from the canister, and recorded on the sample preparation log sheet. All regulators are calibrated to meet these requirements before they leave the laboratory. However, due to environmental conditions and use of the equipment Centek can not guarantee that this criteria can always be achieved.

Centek Chain of Custody

Centek Laboratories
143 Midler Park Drive
Syracuse, NY 13206
315-431-9730
www.CentekLabs.com

Vapor Intrusion & IAQ

Site Name: Farrington Realty
Project: 1135g-14-03
PO#:
Quote # Q- 58 / 130
Other: / 4444

Detection Limit		Report Level	
☐	5ppbv	☐	Level I
☒	1ug/M3	☒	Level II
☐	1ug/M3 +TCE .25	☐	Cat "B" Like

Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	8/8/14
4 Business Days	☐	25%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
Next Day by 5pm	☐	100%	
Next Day by Noon	☐	150%	
Same Day	☐	200%	

Company: FPM Group
Report to: George Holmes
Address: 909 Marconi Avenue
City, State, Zip Ronkonkoma, NY 11779
Email: g.holmes@fpm-group.com
Phone: (631) 737-6200

Company:
Check Here If Same: ☒
Invoice to:
Address:
City, State, Zip
Email:
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Comments	Vacuum Gauge Reading Start ("Hg)	Stop ("Hg)
SV-1	7/30-31/14	561	390	TO15		-30	-4
SV-2	↓	541	435	↓		-30	-6
SV-3		94	441			-30	-6
SV-4		351	455			-29	-5
SV-5		195	391			-30	-6
SV-6		157	344			-30	-6
SV-7		89	381			-30	-5
SV-8		336	345			-30	-13
SV-9		274	439			-30	-5
SV-10		159	382			-30	-5
Trip Blank		98	-			-	

Chain of Custody	Print Name	Signature	Date/Time
Sampled by:	George Holmes	[signature]	7/31/14 16:30
Relinquished by:			
Received at Lab by:	NICK MANDARINO	[signature]	8-1-14

Courier: CIRCLE ONE
FedEx UPS Pickup/Dropoff

For LAB USE ONLY
Work Order # C1408005

*** By signing Centek Labs Chain of Custody, you are accepting Centek Labs Terms and Conditions listed on the reverse side.

CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name FPM - RONKONKOMA

Date and Time Receive 8/1/2014

Work Order Numbe C1408005

Received by NM

Checklist completed by Signature 8-1-14 Date

Reviewed by Initials 8/1/14 Date

Matrix:

Carrier name: FedEx Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Date: *13-Aug-14*

CENTEK LABORATORIES, LLC

CLIENT: FPM Group, Ltd.
Project: Farrington Realty
Lab Order: C1408005

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1408005-001A	SV-1	561.390	7/30/2014	8/1/2014
C1408005-002A	SV-2	541.435	7/30/2014	8/1/2014
C1408005-003A	SV-3	94.441	7/30/2014	8/1/2014
C1408005-004A	SV-4	351.455	7/30/2014	8/1/2014
C1408005-005A	SV-5	195.391	7/30/2014	8/1/2014
C1408005-006A	SV-6	157.344	7/30/2014	8/1/2014
C1408005-007A	SV-7	89.381	7/30/2014	8/1/2014

CLIENT:	FPM Group, Ltd.
Project:	Farrington Realty
Lab Order:	C1408005

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1408005-008A	SV-8	336.345	7/30/2014	8/1/2014
C1408005-009A	SV-9	274.439	7/30/2014	8/1/2014
C1408005-010A	SV-10	159.382	7/30/2014	8/1/2014
C1408005-011A	Trip Blank	98	7/30/2014	8/1/2014

Centek Laboratories, LLC

13-Aug-14

Lab Order: C1408005
Client: FPM Group, Ltd.
Project: Farrington Realty

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C1408005-001A	SV-1	7/30/2014	Air	1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
				1ug/M3 by Method TO15			8/3/2014
C1408005-002A	SV-2			1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-003A	SV-3			1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-004A	SV-4			1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-005A	SV-5			1ug/M3 by Method TO15			8/6/2014
				1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/3/2014
C1408005-006A	SV-6			1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
				1ug/M3 by Method TO15			8/3/2014
C1408005-007A	SV-7			1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/3/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-008A	SV-8			1ug/M3 by Method TO15			8/4/2014
				1ug/M3 by Method TO15			8/4/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-009A	SV-9			1ug/M3 by Method TO15			8/4/2014
				1ug/M3 by Method TO15			8/6/2014
C1408005-010A	SV-10			1ug/M3 by Method TO15			8/4/2014
				1ug/M3 by Method TO15			8/4/2014

Centek Laboratories, LLC

13-Aug-14

Lab Order: C1408005
Client: FPM Group, Ltd.
Project: Farrington Realty

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
C1408005-010A	SV-10	7/30/2014	Air	1ug/M3 by Method TO15			8/6/2014
C1408005-011A	Trip Blank			1ug/M3 by Method TO15			8/3/2014

Date: *06-Aug-14*

CENTEK LABORATORIES, LLC

ANALYTICAL QC SUMMARY REPORT

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **AMB1UG-080314** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8640**
Client ID: **ZZZZZ** Batch ID: **R8640** TestNo: **TO-15** Analysis Date: **8/3/2014** SeqNo: **102294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.15	0.15									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-080314	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8640
Client ID:	ZZZZZ	Batch ID:	R8640	TestNo:	TO-15			Analysis Date:	8/3/2014	SeqNo:	102294

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.15	0.15									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.15	0.15									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.25	0.25									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-080314	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8640
Client ID:	ZZZZZ	Batch ID:	R8640	TestNo:	TO-15			Analysis Date:	8/3/2014	SeqNo:	102294

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.15	0.15									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.15	0.15									

Sample ID	AMB1UG-080514	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8641
Client ID:	ZZZZZ	Batch ID:	R8641	TestNo:	TO-15			Analysis Date:	8/5/2014	SeqNo:	102316

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.15	0.15									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-080514	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8641
Client ID:	ZZZZZ	Batch ID:	R8641	TestNo:	TO-15			Analysis Date:	8/5/2014	SeqNo:	102316

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.15	0.15									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.15	0.15									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.25	0.25									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **AMB1UG-080514** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8641**
Client ID: **ZZZZZ** Batch ID: **R8641** TestNo: **TO-15** Analysis Date: **8/5/2014** SeqNo: **102316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.15	0.15									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.15	0.15									

Sample ID **AMB1UG-080616** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8642**
Client ID: **ZZZZZ** Batch ID: **R8642** TestNo: **TO-15** Analysis Date: **8/6/2014** SeqNo: **102321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 0.15	0.15									
1,1,2,2-Tetrachloroethane	< 0.15	0.15									
1,1,2-Trichloroethane	< 0.15	0.15									
1,1-Dichloroethane	< 0.15	0.15									
1,1-Dichloroethene	< 0.15	0.15									
1,2,4-Trichlorobenzene	< 0.15	0.15									
1,2,4-Trimethylbenzene	< 0.15	0.15									
1,2-Dibromoethane	< 0.15	0.15									
1,2-Dichlorobenzene	< 0.15	0.15									
1,2-Dichloroethane	< 0.15	0.15									
1,2-Dichloropropane	< 0.15	0.15									

Qualifiers:
. Results reported are not blank corrected
J Analyte detected at or below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	AMB1UG-080616	SampType:	MBLK	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8642
Client ID:	ZZZZZ	Batch ID:	R8642	TestNo:	TO-15			Analysis Date:	8/6/2014	SeqNo:	102321

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	< 0.15	0.15									
1,3-butadiene	< 0.15	0.15									
1,3-Dichlorobenzene	< 0.15	0.15									
1,4-Dichlorobenzene	< 0.15	0.15									
1,4-Dioxane	< 0.30	0.30									
2,2,4-trimethylpentane	< 0.15	0.15									
4-ethyltoluene	< 0.15	0.15									
Acetone	< 0.30	0.30									
Allyl chloride	< 0.15	0.15									
Benzene	< 0.15	0.15									
Benzyl chloride	< 0.15	0.15									
Bromodichloromethane	< 0.15	0.15									
Bromoform	< 0.15	0.15									
Bromomethane	< 0.15	0.15									
Carbon disulfide	< 0.15	0.15									
Carbon tetrachloride	< 0.15	0.15									
Chlorobenzene	< 0.15	0.15									
Chloroethane	< 0.15	0.15									
Chloroform	< 0.15	0.15									
Chloromethane	< 0.15	0.15									
cis-1,2-Dichloroethene	< 0.15	0.15									
cis-1,3-Dichloropropene	< 0.15	0.15									
Cyclohexane	< 0.15	0.15									
Dibromochloromethane	< 0.15	0.15									
Ethyl acetate	< 0.25	0.25									
Ethylbenzene	< 0.15	0.15									
Freon 11	< 0.15	0.15									
Freon 113	< 0.15	0.15									
Freon 114	< 0.15	0.15									
Freon 12	< 0.15	0.15									
Heptane	< 0.15	0.15									

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **AMB1UG-080616** SampType: **MBLK** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8642**
Client ID: **ZZZZZ** Batch ID: **R8642** TestNo: **TO-15** Analysis Date: **8/6/2014** SeqNo: **102321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	< 0.15	0.15									
Hexane	< 0.15	0.15									
Isopropyl alcohol	< 0.15	0.15									
m&p-Xylene	< 0.30	0.30									
Methyl Butyl Ketone	< 0.30	0.30									
Methyl Ethyl Ketone	< 0.30	0.30									
Methyl Isobutyl Ketone	< 0.30	0.30									
Methyl tert-butyl ether	< 0.15	0.15									
Methylene chloride	< 0.15	0.15									
o-Xylene	< 0.15	0.15									
Propylene	< 0.15	0.15									
Styrene	< 0.15	0.15									
Tetrachloroethylene	< 0.15	0.15									
Tetrahydrofuran	< 0.15	0.15									
Toluene	< 0.15	0.15									
trans-1,2-Dichloroethene	< 0.15	0.15									
trans-1,3-Dichloropropene	< 0.15	0.15									
Trichloroethene	< 0.15	0.15									
Vinyl acetate	< 0.15	0.15									
Vinyl Bromide	< 0.15	0.15									
Vinyl chloride	< 0.15	0.15									

Sample ID **ALCS1UG-080314** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8640**
Client ID: **ZZZZZ** Batch ID: **R8640** TestNo: **TO-15** Analysis Date: **8/3/2014** SeqNo: **102295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1,2,2-Tetrachloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1,2-Trichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,1-Dichloroethane	0.7600	0.15	1	0	76.0	70	130				

Qualifiers:
. Results reported are not blank corrected
J Analyte detected at or below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-080314	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8640
Client ID:	ZZZZZ	Batch ID:	R8640	TestNo:	TO-15			Analysis Date:	8/3/2014	SeqNo:	102295

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.7700	0.15	1	0	77.0	70	130				
1,2,4-Trichlorobenzene	0.7900	0.15	1	0	79.0	70	130				
1,2,4-Trimethylbenzene	0.7500	0.15	1	0	75.0	70	130				
1,2-Dibromoethane	0.7900	0.15	1	0	79.0	70	130				
1,2-Dichlorobenzene	0.7900	0.15	1	0	79.0	70	130				
1,2-Dichloroethane	0.8600	0.15	1	0	86.0	70	130				
1,2-Dichloropropane	0.7500	0.15	1	0	75.0	70	130				
1,3,5-Trimethylbenzene	0.8200	0.15	1	0	82.0	70	130				
1,3-butadiene	0.9600	0.15	1	0	96.0	70	130				
1,3-Dichlorobenzene	0.7500	0.15	1	0	75.0	70	130				
1,4-Dichlorobenzene	0.7600	0.15	1	0	76.0	70	130				
1,4-Dioxane	0.9500	0.30	1	0	95.0	70	130				
2,2,4-trimethylpentane	0.7500	0.15	1	0	75.0	70	130				
4-ethyltoluene	0.8100	0.15	1	0	81.0	70	130				
Acetone	0.9900	0.30	1	0	99.0	70	130				
Allyl chloride	0.8800	0.15	1	0	88.0	70	130				
Benzene	0.7600	0.15	1	0	76.0	70	130				
Benzyl chloride	1.030	0.15	1	0	103	70	130				
Bromodichloromethane	0.8300	0.15	1	0	83.0	70	130				
Bromoform	0.8500	0.15	1	0	85.0	70	130				
Bromomethane	0.9000	0.15	1	0	90.0	70	130				
Carbon disulfide	0.7200	0.15	1	0	72.0	70	130				
Carbon tetrachloride	0.8000	0.15	1	0	80.0	70	130				
Chlorobenzene	0.7400	0.15	1	0	74.0	70	130				
Chloroethane	0.9200	0.15	1	0	92.0	70	130				
Chloroform	0.8100	0.15	1	0	81.0	70	130				
Chloromethane	0.8000	0.15	1	0	80.0	70	130				
cis-1,2-Dichloroethene	0.7200	0.15	1	0	72.0	70	130				
cis-1,3-Dichloropropene	0.7600	0.15	1	0	76.0	70	130				
Cyclohexane	0.6800	0.15	1	0	68.0	70	130				S
Dibromochloromethane	0.8300	0.15	1	0	83.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **ALCS1UG-080314** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8640**
Client ID: **ZZZZZ** Batch ID: **R8640** TestNo: **TO-15** Analysis Date: **8/3/2014** SeqNo: **102295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl acetate	0.7900	0.25	1	0	79.0	70	130				
Ethylbenzene	0.6200	0.15	1	0	62.0	70	130				S
Freon 11	0.7800	0.15	1	0	78.0	70	130				
Freon 113	0.7400	0.15	1	0	74.0	70	130				
Freon 114	0.7400	0.15	1	0	74.0	70	130				
Freon 12	0.8900	0.15	1	0	89.0	70	130				
Heptane	0.8700	0.15	1	0	87.0	70	130				
Hexachloro-1,3-butadiene	1.120	0.15	1	0	112	70	130				
Hexane	0.6800	0.15	1	0	68.0	70	130				S
Isopropyl alcohol	0.9800	0.15	1	0	98.0	70	130				
m&p-Xylene	1.440	0.30	2	0	72.0	70	130				
Methyl Butyl Ketone	0.9100	0.30	1	0	91.0	70	130				
Methyl Ethyl Ketone	0.8100	0.30	1	0	81.0	70	130				
Methyl Isobutyl Ketone	0.9400	0.30	1	0	94.0	70	130				
Methyl tert-butyl ether	0.7200	0.15	1	0	72.0	70	130				
Methylene chloride	0.7500	0.15	1	0	75.0	70	130				
o-Xylene	0.7800	0.15	1	0	78.0	70	130				
Propylene	0.8200	0.15	1	0	82.0	70	130				
Styrene	0.7000	0.15	1	0	70.0	70	130				
Tetrachloroethylene	0.8700	0.15	1	0	87.0	70	130				
Tetrahydrofuran	0.8000	0.15	1	0	80.0	70	130				
Toluene	0.7100	0.15	1	0	71.0	70	130				
trans-1,2-Dichloroethene	0.7300	0.15	1	0	73.0	70	130				
trans-1,3-Dichloropropene	0.7100	0.15	1	0	71.0	70	130				
Trichloroethene	0.7900	0.15	1	0	79.0	70	130				
Vinyl acetate	0.7600	0.15	1	0	76.0	70	130				
Vinyl Bromide	0.7500	0.15	1	0	75.0	70	130				
Vinyl chloride	0.7400	0.15	1	0	74.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **ALCS1UG-080514** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8641**
Client ID: **ZZZZZ** Batch ID: **R8641** TestNo: **TO-15** Analysis Date: **8/5/2014** SeqNo: **102317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.020	0.15	1	0	102	70	130				
1,1,2,2-Tetrachloroethane	0.8700	0.15	1	0	87.0	70	130				
1,1,2-Trichloroethane	0.9600	0.15	1	0	96.0	70	130				
1,1-Dichloroethane	0.7800	0.15	1	0	78.0	70	130				
1,1-Dichloroethene	0.7900	0.15	1	0	79.0	70	130				
1,2,4-Trichlorobenzene	1.020	0.15	1	0	102	70	130				
1,2,4-Trimethylbenzene	0.8000	0.15	1	0	80.0	70	130				
1,2-Dibromoethane	0.8700	0.15	1	0	87.0	70	130				
1,2-Dichlorobenzene	0.8300	0.15	1	0	83.0	70	130				
1,2-Dichloroethane	0.9300	0.15	1	0	93.0	70	130				
1,2-Dichloropropane	0.7900	0.15	1	0	79.0	70	130				
1,3,5-Trimethylbenzene	0.8000	0.15	1	0	80.0	70	130				
1,3-butadiene	1.010	0.15	1	0	101	70	130				
1,3-Dichlorobenzene	0.8300	0.15	1	0	83.0	70	130				
1,4-Dichlorobenzene	0.7800	0.15	1	0	78.0	70	130				
1,4-Dioxane	0.6400	0.30	1	0	64.0	70	130				S
2,2,4-trimethylpentane	0.7300	0.15	1	0	73.0	70	130				
4-ethyltoluene	0.7400	0.15	1	0	74.0	70	130				
Acetone	0.7900	0.30	1	0	79.0	70	130				
Allyl chloride	1.010	0.15	1	0	101	70	130				
Benzene	0.8800	0.15	1	0	88.0	70	130				
Benzyl chloride	0.9000	0.15	1	0	90.0	70	130				
Bromodichloromethane	0.9700	0.15	1	0	97.0	70	130				
Bromoform	0.9800	0.15	1	0	98.0	70	130				
Bromomethane	0.9900	0.15	1	0	99.0	70	130				
Carbon disulfide	0.7600	0.15	1	0	76.0	70	130				
Carbon tetrachloride	0.9800	0.15	1	0	98.0	70	130				
Chlorobenzene	0.8500	0.15	1	0	85.0	70	130				
Chloroethane	0.8800	0.15	1	0	88.0	70	130				
Chloroform	0.8900	0.15	1	0	89.0	70	130				
Chloromethane	0.8400	0.15	1	0	84.0	70	130				

Qualifiers:
. Results reported are not blank corrected
J Analyte detected at or below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-080514	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8641
Client ID:	ZZZZZ	Batch ID:	R8641	TestNo:	TO-15			Analysis Date:	8/5/2014	SeqNo:	102317

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	0.7500	0.15	1	0	75.0	70	130				
cis-1,3-Dichloropropene	0.8000	0.15	1	0	80.0	70	130				
Cyclohexane	0.7100	0.15	1	0	71.0	70	130				
Dibromochloromethane	0.9700	0.15	1	0	97.0	70	130				
Ethyl acetate	0.7900	0.25	1	0	79.0	70	130				
Ethylbenzene	0.6900	0.15	1	0	69.0	70	130				S
Freon 11	0.8600	0.15	1	0	86.0	70	130				
Freon 113	0.8300	0.15	1	0	83.0	70	130				
Freon 114	0.8000	0.15	1	0	80.0	70	130				
Freon 12	0.9700	0.15	1	0	97.0	70	130				
Heptane	0.8900	0.15	1	0	89.0	70	130				
Hexachloro-1,3-butadiene	0.9800	0.15	1	0	98.0	70	130				
Hexane	0.6400	0.15	1	0	64.0	70	130				S
Isopropyl alcohol	0.7400	0.15	1	0	74.0	70	130				
m&p-Xylene	1.490	0.30	2	0	74.5	70	130				
Methyl Butyl Ketone	0.5500	0.30	1	0	55.0	70	130				S
Methyl Ethyl Ketone	0.7500	0.30	1	0	75.0	70	130				
Methyl Isobutyl Ketone	0.5800	0.30	1	0	58.0	70	130				S
Methyl tert-butyl ether	0.7000	0.15	1	0	70.0	70	130				
Methylene chloride	0.8600	0.15	1	0	86.0	70	130				
o-Xylene	1.020	0.15	1	0	102	70	130				
Propylene	0.7500	0.15	1	0	75.0	70	130				
Styrene	0.7800	0.15	1	0	78.0	70	130				
Tetrachloroethylene	1.020	0.15	1	0	102	70	130				
Tetrahydrofuran	0.7300	0.15	1	0	73.0	70	130				
Toluene	0.8100	0.15	1	0	81.0	70	130				
trans-1,2-Dichloroethene	0.7500	0.15	1	0	75.0	70	130				
trans-1,3-Dichloropropene	0.7700	0.15	1	0	77.0	70	130				
Trichloroethene	0.9000	0.15	1	0	90.0	70	130				
Vinyl acetate	0.7400	0.15	1	0	74.0	70	130				
Vinyl Bromide	0.8400	0.15	1	0	84.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-080514	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8641
Client ID:	ZZZZZ	Batch ID:	R8641	TestNo:	TO-15			Analysis Date:	8/5/2014	SeqNo:	102317

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.7200	0.15	1	0	72.0	70	130				

Sample ID	ALCS1UG-080616	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8642
Client ID:	ZZZZZ	Batch ID:	R8642	TestNo:	TO-15			Analysis Date:	8/6/2014	SeqNo:	102322

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	1.080	0.15	1	0	108	70	130				
1,1,2,2-Tetrachloroethane	0.8300	0.15	1	0	83.0	70	130				
1,1,2-Trichloroethane	0.9700	0.15	1	0	97.0	70	130				
1,1-Dichloroethane	0.8200	0.15	1	0	82.0	70	130				
1,1-Dichloroethene	0.7800	0.15	1	0	78.0	70	130				
1,2,4-Trichlorobenzene	0.9900	0.15	1	0	99.0	70	130				
1,2,4-Trimethylbenzene	0.7100	0.15	1	0	71.0	70	130				
1,2-Dibromoethane	0.9200	0.15	1	0	92.0	70	130				
1,2-Dichlorobenzene	0.7800	0.15	1	0	78.0	70	130				
1,2-Dichloroethane	0.9900	0.15	1	0	99.0	70	130				
1,2-Dichloropropane	0.7500	0.15	1	0	75.0	70	130				
1,3,5-Trimethylbenzene	0.7900	0.15	1	0	79.0	70	130				
1,3-butadiene	0.8200	0.15	1	0	82.0	70	130				
1,3-Dichlorobenzene	0.8200	0.15	1	0	82.0	70	130				
1,4-Dichlorobenzene	0.7800	0.15	1	0	78.0	70	130				
1,4-Dioxane	0.4500	0.30	1	0	45.0	70	130				S
2,2,4-trimethylpentane	0.7400	0.15	1	0	74.0	70	130				
4-ethyltoluene	0.7300	0.15	1	0	73.0	70	130				
Acetone	0.9100	0.30	1	0	91.0	70	130				
Allyl chloride	1.000	0.15	1	0	100	70	130				
Benzene	0.8700	0.15	1	0	87.0	70	130				
Benzyl chloride	0.7600	0.15	1	0	76.0	70	130				
Bromodichloromethane	0.9700	0.15	1	0	97.0	70	130				
Bromoform	1.010	0.15	1	0	101	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID **ALCS1UG-080616** SampType: **LCS** TestCode: **1ugM3_TO15** Units: **ppbV** Prep Date: RunNo: **8642**
Client ID: **ZZZZZ** Batch ID: **R8642** TestNo: **TO-15** Analysis Date: **8/6/2014** SeqNo: **102322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	0.9800	0.15	1	0	98.0	70	130				
Carbon disulfide	0.8000	0.15	1	0	80.0	70	130				
Carbon tetrachloride	1.010	0.15	1	0	101	70	130				
Chlorobenzene	0.8700	0.15	1	0	87.0	70	130				
Chloroethane	0.8900	0.15	1	0	89.0	70	130				
Chloroform	0.8900	0.15	1	0	89.0	70	130				
Chloromethane	0.8200	0.15	1	0	82.0	70	130				
cis-1,2-Dichloroethene	0.7800	0.15	1	0	78.0	70	130				
cis-1,3-Dichloropropene	0.8200	0.15	1	0	82.0	70	130				
Cyclohexane	0.7100	0.15	1	0	71.0	70	130				
Dibromochloromethane	1.020	0.15	1	0	102	70	130				
Ethyl acetate	0.5900	0.25	1	0	59.0	70	130				S
Ethylbenzene	0.6900	0.15	1	0	69.0	70	130				S
Freon 11	0.9100	0.15	1	0	91.0	70	130				
Freon 113	0.8500	0.15	1	0	85.0	70	130				
Freon 114	0.7700	0.15	1	0	77.0	70	130				
Freon 12	1.000	0.15	1	0	100	70	130				
Heptane	0.7100	0.15	1	0	71.0	70	130				
Hexachloro-1,3-butadiene	0.9800	0.15	1	0	98.0	70	130				
Hexane	0.6000	0.15	1	0	60.0	70	130				S
Isopropyl alcohol	0.7800	0.15	1	0	78.0	70	130				
m&p-Xylene	1.510	0.30	2	0	75.5	70	130				
Methyl Butyl Ketone	0.3200	0.30	1	0	32.0	70	130				S
Methyl Ethyl Ketone	0.6700	0.30	1	0	67.0	70	130				S
Methyl Isobutyl Ketone	0.4100	0.30	1	0	41.0	70	130				S
Methyl tert-butyl ether	0.7100	0.15	1	0	71.0	70	130				
Methylene chloride	0.8900	0.15	1	0	89.0	70	130				
o-Xylene	1.000	0.15	1	0	100	70	130				
Propylene	0.7100	0.15	1	0	71.0	70	130				
Styrene	0.7300	0.15	1	0	73.0	70	130				
Tetrachloroethylene	1.070	0.15	1	0	107	70	130				

Qualifiers:
. Results reported are not blank corrected
J Analyte detected at or below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: FPM Group, Ltd.
Work Order: C1408005
Project: Farrington Realty

TestCode: 1ugM3_TO15

Sample ID	ALCS1UG-080616	SampType:	LCS	TestCode:	1ugM3_TO15	Units:	ppbV	Prep Date:		RunNo:	8642
Client ID:	ZZZZZ	Batch ID:	R8642	TestNo:	TO-15			Analysis Date:	8/6/2014	SeqNo:	102322

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrahydrofuran	0.5300	0.15	1	0	53.0	70	130				S
Toluene	0.8200	0.15	1	0	82.0	70	130				
trans-1,2-Dichloroethene	0.7800	0.15	1	0	78.0	70	130				
trans-1,3-Dichloropropene	0.8000	0.15	1	0	80.0	70	130				
Trichloroethene	0.9600	0.15	1	0	96.0	70	130				
Vinyl acetate	0.7300	0.15	1	0	73.0	70	130				
Vinyl Bromide	0.8700	0.15	1	0	87.0	70	130				
Vinyl chloride	0.7500	0.15	1	0	75.0	70	130				

Qualifiers:

.	Results reported are not blank corrected	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected at or below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1408005	**Tag Number:**	561.390
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 1:25:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Acetone	16000	27	E	ppbV	90	8/6/2014 5:45:00 AM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Benzene	3.2	1.5		ppbV	10	8/3/2014 1:25:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Ethyl acetate	220	22		ppbV	90	8/6/2014 5:45:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1408005	**Tag Number:**	561.390
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Freon 11	14	1.5		ppbV	10	8/3/2014 1:25:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
m&p-Xylene	2.9	3.0	J	ppbV	10	8/3/2014 1:25:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 1:25:00 PM
Methyl Ethyl Ketone	86	12		ppbV	40	8/3/2014 3:14:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 1:25:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Methylene chloride	3.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Toluene	14	6.0		ppbV	40	8/3/2014 3:14:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 1:25:00 PM
Surr: Bromofluorobenzene	119	70-130		%REC	10	8/3/2014 1:25:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1408005	**Tag Number:**	541.435
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 3:51:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Acetone	12000	27	E	ppbV	90	8/6/2014 6:21:00 AM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Benzene	1.1	1.5	J	ppbV	10	8/3/2014 3:51:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Ethyl acetate	27	10		ppbV	40	8/3/2014 4:28:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1408005	**Tag Number:**	541.435
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
m&p-Xylene	2.0	3.0	J	ppbV	10	8/3/2014 3:51:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 3:51:00 PM
Methyl Ethyl Ketone	52	12		ppbV	40	8/3/2014 4:28:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 3:51:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Methylene chloride	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Toluene	9.9	1.5		ppbV	10	8/3/2014 3:51:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 3:51:00 PM
Surr: Bromofluorobenzene	121	70-130		%REC	10	8/3/2014 3:51:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1408005	**Tag Number:**	94.441
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-6			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 5:05:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Acetone	6800	27	E	ppbV	90	8/6/2014 6:57:00 AM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Benzene	1.1	1.5	J	ppbV	10	8/3/2014 5:05:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Ethyl acetate	34	10		ppbV	40	8/3/2014 5:41:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1408005	**Tag Number:**	94.441
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
m&p-Xylene	1.9	3.0	J	ppbV	10	8/3/2014 5:05:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 5:05:00 PM
Methyl Ethyl Ketone	42	12		ppbV	40	8/3/2014 5:41:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 5:05:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Methylene chloride	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Tetrachloroethylene	1.7	1.5		ppbV	10	8/3/2014 5:05:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Toluene	9.7	1.5		ppbV	10	8/3/2014 5:05:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 5:05:00 PM
Surr: Bromofluorobenzene	122	70-130		%REC	10	8/3/2014 5:05:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1408005	**Tag Number:**	351.455
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 6:18:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Acetone	1800	27	E	ppbV	90	8/6/2014 12:44:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Benzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Ethyl acetate	17	2.5		ppbV	10	8/3/2014 6:18:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1408005	**Tag Number:**	351.455
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
m&p-Xylene	< 3.0	3.0		ppbV	10	8/3/2014 6:18:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 6:18:00 PM
Methyl Ethyl Ketone	18	3.0		ppbV	10	8/3/2014 6:18:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 6:18:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Methylene chloride	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Toluene	4.0	1.5		ppbV	10	8/3/2014 6:18:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 6:18:00 PM
Surr: Bromofluorobenzene	121	70-130		%REC	10	8/3/2014 6:18:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1408005	**Tag Number:**	195.391
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 7:32:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Acetone	4200	27	E	ppbV	90	8/6/2014 1:20:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Benzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Ethyl acetate	17	10		ppbV	40	8/3/2014 8:09:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1408005	**Tag Number:**	195.391
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
m&p-Xylene	1.5	3.0	J	ppbV	10	8/3/2014 7:32:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 7:32:00 PM
Methyl Ethyl Ketone	25	12		ppbV	40	8/3/2014 8:09:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 7:32:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Methylene chloride	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Toluene	12	1.5		ppbV	10	8/3/2014 7:32:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 7:32:00 PM
Surr: Bromofluorobenzene	122	70-130		%REC	10	8/3/2014 7:32:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-6
Lab Order:	C1408005	**Tag Number:**	157.344
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 8:45:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Acetone	6500	27	E	ppbV	90	8/6/2014 1:56:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Benzene	1.2	1.5	J	ppbV	10	8/3/2014 8:45:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Ethyl acetate	37	10		ppbV	40	8/3/2014 9:22:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-6
Lab Order:	C1408005	**Tag Number:**	157.344
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
m&p-Xylene	2.2	3.0	J	ppbV	10	8/3/2014 8:45:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 8:45:00 PM
Methyl Ethyl Ketone	37	12		ppbV	40	8/3/2014 9:22:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 8:45:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Methylene chloride	1.1	1.5	J	ppbV	10	8/3/2014 8:45:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Toluene	15	1.5		ppbV	10	8/3/2014 8:45:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 8:45:00 PM
Surr: Bromofluorobenzene	120	70-130		%REC	10	8/3/2014 8:45:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-7
Lab Order:	C1408005	**Tag Number:**	89.381
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-007A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/3/2014 9:59:00 PM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Acetone	2500	27	E	ppbV	90	8/6/2014 2:33:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Benzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Bromoform	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Bromomethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Chloroethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Chloroform	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Chloromethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Cyclohexane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Ethyl acetate	16	2.5		ppbV	10	8/3/2014 9:59:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-7
Lab Order:	C1408005	**Tag Number:**	89.381
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-007A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Freon 11	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Freon 114	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Freon 12	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Heptane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Hexane	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
m&p-Xylene	< 3.0	3.0		ppbV	10	8/3/2014 9:59:00 PM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 9:59:00 PM
Methyl Ethyl Ketone	13	12		ppbV	40	8/3/2014 10:36:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/3/2014 9:59:00 PM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Methylene chloride	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
o-Xylene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Propylene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Styrene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Toluene	4.2	1.5		ppbV	10	8/3/2014 9:59:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Trichloroethene	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/3/2014 9:59:00 PM
Surr: Bromofluorobenzene	120	70-130		%REC	10	8/3/2014 9:59:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-8
Lab Order:	C1408005	**Tag Number:**	336.345
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-008A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-12			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/4/2014 12:32:00 AM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Acetone	7700	27	E	ppbV	90	8/6/2014 3:10:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Benzene	1.1	1.5	J	ppbV	10	8/4/2014 12:32:00 AM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Bromoform	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Bromomethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Chloroethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Chloroform	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Chloromethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Cyclohexane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Ethyl acetate	9.6	10	J	ppbV	40	8/4/2014 1:08:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-8
Lab Order:	C1408005	**Tag Number:**	336.345
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-008A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	1.3	1.5	J	ppbV	10	8/4/2014 12:32:00 AM
Freon 11	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Freon 113	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Freon 114	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Freon 12	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Heptane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Hexane	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
m&p-Xylene	1.6	3.0	J	ppbV	10	8/4/2014 12:32:00 AM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 12:32:00 AM
Methyl Ethyl Ketone	18	12		ppbV	40	8/4/2014 1:08:00 AM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 12:32:00 AM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Methylene chloride	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
o-Xylene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Propylene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Styrene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Toluene	7.7	1.5		ppbV	10	8/4/2014 12:32:00 AM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Trichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 12:32:00 AM
Surr: Bromofluorobenzene	122	70-130		%REC	10	8/4/2014 12:32:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-9
Lab Order:	C1408005	**Tag Number:**	274.439
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-009A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/4/2014 1:45:00 AM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Acetone	15000	27	E	ppbV	90	8/6/2014 3:47:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Benzene	3.4	1.5		ppbV	10	8/4/2014 1:45:00 AM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Bromoform	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Bromomethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Chloroethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Chloroform	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Chloromethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Cyclohexane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Ethyl acetate	210	22		ppbV	90	8/6/2014 3:47:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-9
Lab Order:	C1408005	**Tag Number:**	274.439
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-009A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Freon 11	63	14		ppbV	90	8/6/2014 3:47:00 PM
Freon 113	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Freon 114	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Freon 12	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Heptane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Hexane	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
m&p-Xylene	3.6	3.0		ppbV	10	8/4/2014 1:45:00 AM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 1:45:00 AM
Methyl Ethyl Ketone	110	27		ppbV	90	8/6/2014 3:47:00 PM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 1:45:00 AM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Methylene chloride	3.1	1.5		ppbV	10	8/4/2014 1:45:00 AM
o-Xylene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Propylene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Styrene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Toluene	27	14		ppbV	90	8/6/2014 3:47:00 PM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Trichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 1:45:00 AM
Surr: Bromofluorobenzene	118	70-130		%REC	10	8/4/2014 1:45:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-10
Lab Order:	C1408005	**Tag Number:**	159.382
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-010A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	-5			"Hg		8/1/2014
Lab Vacuum Out	-30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,1,2,2-Tetrachloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,1,2-Trichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,1-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,1-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2,4-Trichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2,4-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2-Dibromoethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2-Dichloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,2-Dichloropropane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,3,5-Trimethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,3-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,4-Dichlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
1,4-Dioxane	< 3.0	3.0		ppbV	10	8/4/2014 2:59:00 AM
2,2,4-trimethylpentane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
4-ethyltoluene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Acetone	4700	27	E	ppbV	90	8/6/2014 4:24:00 PM
Allyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Benzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Benzyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Bromodichloromethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Bromoform	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Bromomethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Carbon disulfide	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Carbon tetrachloride	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Chlorobenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Chloroethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Chloroform	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Chloromethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
cis-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
cis-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Cyclohexane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Dibromochloromethane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Ethyl acetate	22	10		ppbV	40	8/4/2014 3:35:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-10
Lab Order:	C1408005	**Tag Number:**	159.382
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-010A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Freon 11	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Freon 113	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Freon 114	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Freon 12	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Heptane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Hexachloro-1,3-butadiene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Hexane	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Isopropyl alcohol	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
m&p-Xylene	1.2	3.0	J	ppbV	10	8/4/2014 2:59:00 AM
Methyl Butyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 2:59:00 AM
Methyl Ethyl Ketone	26	12		ppbV	40	8/4/2014 3:35:00 AM
Methyl Isobutyl Ketone	< 3.0	3.0		ppbV	10	8/4/2014 2:59:00 AM
Methyl tert-butyl ether	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Methylene chloride	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
o-Xylene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Propylene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Styrene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Tetrachloroethylene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Tetrahydrofuran	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Toluene	8.1	1.5		ppbV	10	8/4/2014 2:59:00 AM
trans-1,2-Dichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
trans-1,3-Dichloropropene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Trichloroethene	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Vinyl acetate	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Vinyl Bromide	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Vinyl chloride	< 1.5	1.5		ppbV	10	8/4/2014 2:59:00 AM
Surr: Bromofluorobenzene	125	70-130		%REC	10	8/4/2014 2:59:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1408005	**Tag Number:**	98
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-011A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Lab Vacuum In	+30			"Hg		8/1/2014
Lab Vacuum Out	+30			"Hg		8/1/2014
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
2,2,4-trimethylpentane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Acetone	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Benzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Bromoform	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Chloroform	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Chloromethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Ethyl acetate	< 0.25	0.25		ppbV	1	8/3/2014 12:06:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1408005	**Tag Number:**	98
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-011A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethylbenzene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Freon 11	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Freon 113	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Freon 114	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Freon 12	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Heptane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Hexane	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
m&p-Xylene	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
Methyl Ethyl Ketone	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	8/3/2014 12:06:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Methylene chloride	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
o-Xylene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Propylene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Styrene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Toluene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	8/3/2014 12:06:00 PM
Surr: Bromofluorobenzene	77.0	70-130		%REC	1	8/3/2014 12:06:00 PM

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1408005	**Tag Number:**	561.390
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 1:25:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 1:25:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 1:25:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 1:25:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 1:25:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 1:25:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 1:25:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 1:25:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 1:25:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 1:25:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 1:25:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 1:25:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 1:25:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 1:25:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 1:25:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 1:25:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 1:25:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 1:25:00 PM
Acetone	39000	64	E	ug/m3	90	8/6/2014 5:45:00 AM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 1:25:00 PM
Benzene	10	4.8		ug/m3	10	8/3/2014 1:25:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 1:25:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 1:25:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 1:25:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 1:25:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 1:25:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 1:25:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 1:25:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 1:25:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 1:25:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 1:25:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 1:25:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 1:25:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 1:25:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 1:25:00 PM
Ethyl acetate	790	79		ug/m3	90	8/6/2014 5:45:00 AM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 1:25:00 PM
Freon 11	79	8.4		ug/m3	10	8/3/2014 1:25:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 1:25:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 1:25:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-1
Lab Order:	C1408005	**Tag Number:**	561.390
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 1:25:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 1:25:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 1:25:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 1:25:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 1:25:00 PM
m&p-Xylene	13	13	J	ug/m3	10	8/3/2014 1:25:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 1:25:00 PM
Methyl Ethyl Ketone	250	35		ug/m3	40	8/3/2014 3:14:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 1:25:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 1:25:00 PM
Methylene chloride	12	5.2		ug/m3	10	8/3/2014 1:25:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 1:25:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 1:25:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 1:25:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 1:25:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 1:25:00 PM
Toluene	54	23		ug/m3	40	8/3/2014 3:14:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 1:25:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 1:25:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 1:25:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 1:25:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 1:25:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 1:25:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1408005	**Tag Number:**	541.435
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 3:51:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 3:51:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 3:51:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 3:51:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 3:51:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 3:51:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 3:51:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 3:51:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 3:51:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 3:51:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 3:51:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 3:51:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 3:51:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 3:51:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 3:51:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 3:51:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 3:51:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 3:51:00 PM
Acetone	29000	64	E	ug/m3	90	8/6/2014 6:21:00 AM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 3:51:00 PM
Benzene	3.5	4.8	J	ug/m3	10	8/3/2014 3:51:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 3:51:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 3:51:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 3:51:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 3:51:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 3:51:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 3:51:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 3:51:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 3:51:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 3:51:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 3:51:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 3:51:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 3:51:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 3:51:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 3:51:00 PM
Ethyl acetate	97	36		ug/m3	40	8/3/2014 4:28:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 3:51:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 3:51:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 3:51:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 3:51:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-2
Lab Order:	C1408005	**Tag Number:**	541.435
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 3:51:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 3:51:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 3:51:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 3:51:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 3:51:00 PM
m&p-Xylene	8.7	13	J	ug/m3	10	8/3/2014 3:51:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 3:51:00 PM
Methyl Ethyl Ketone	150	35		ug/m3	40	8/3/2014 4:28:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 3:51:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 3:51:00 PM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/3/2014 3:51:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 3:51:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 3:51:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 3:51:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 3:51:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 3:51:00 PM
Toluene	37	5.7		ug/m3	10	8/3/2014 3:51:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 3:51:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 3:51:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 3:51:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 3:51:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 3:51:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 3:51:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1408005	**Tag Number:**	94.441
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 5:05:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 5:05:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 5:05:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 5:05:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 5:05:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 5:05:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 5:05:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 5:05:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 5:05:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 5:05:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 5:05:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 5:05:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 5:05:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 5:05:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 5:05:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 5:05:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 5:05:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 5:05:00 PM
Acetone	16000	64	E	ug/m3	90	8/6/2014 6:57:00 AM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 5:05:00 PM
Benzene	3.5	4.8	J	ug/m3	10	8/3/2014 5:05:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 5:05:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 5:05:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 5:05:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 5:05:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 5:05:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 5:05:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 5:05:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 5:05:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 5:05:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 5:05:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 5:05:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 5:05:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 5:05:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 5:05:00 PM
Ethyl acetate	120	36		ug/m3	40	8/3/2014 5:41:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 5:05:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 5:05:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 5:05:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 5:05:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-3
Lab Order:	C1408005	**Tag Number:**	94.441
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 5:05:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 5:05:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 5:05:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 5:05:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 5:05:00 PM
m&p-Xylene	8.2	13	J	ug/m3	10	8/3/2014 5:05:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 5:05:00 PM
Methyl Ethyl Ketone	120	35		ug/m3	40	8/3/2014 5:41:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 5:05:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 5:05:00 PM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/3/2014 5:05:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 5:05:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 5:05:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 5:05:00 PM
Tetrachloroethylene	12	10		ug/m3	10	8/3/2014 5:05:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 5:05:00 PM
Toluene	37	5.7		ug/m3	10	8/3/2014 5:05:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 5:05:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 5:05:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 5:05:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 5:05:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 5:05:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 5:05:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1408005	**Tag Number:**	351.455
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 6:18:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 6:18:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 6:18:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 6:18:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 6:18:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 6:18:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 6:18:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 6:18:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 6:18:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 6:18:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 6:18:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 6:18:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 6:18:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 6:18:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 6:18:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 6:18:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 6:18:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 6:18:00 PM
Acetone	4300	64	E	ug/m3	90	8/6/2014 12:44:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 6:18:00 PM
Benzene	< 4.8	4.8		ug/m3	10	8/3/2014 6:18:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 6:18:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 6:18:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 6:18:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 6:18:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 6:18:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 6:18:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 6:18:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 6:18:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 6:18:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 6:18:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 6:18:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 6:18:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 6:18:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 6:18:00 PM
Ethyl acetate	61	9.0		ug/m3	10	8/3/2014 6:18:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 6:18:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 6:18:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 6:18:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 6:18:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-4
Lab Order:	C1408005	**Tag Number:**	351.455
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 6:18:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 6:18:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 6:18:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 6:18:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 6:18:00 PM
m&p-Xylene	< 13	13		ug/m3	10	8/3/2014 6:18:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 6:18:00 PM
Methyl Ethyl Ketone	53	8.8		ug/m3	10	8/3/2014 6:18:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 6:18:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 6:18:00 PM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/3/2014 6:18:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 6:18:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 6:18:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 6:18:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 6:18:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 6:18:00 PM
Toluene	15	5.7		ug/m3	10	8/3/2014 6:18:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 6:18:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 6:18:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 6:18:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 6:18:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 6:18:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 6:18:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1408005	**Tag Number:**	195.391
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 7:32:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 7:32:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 7:32:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 7:32:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 7:32:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 7:32:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 7:32:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 7:32:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 7:32:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 7:32:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 7:32:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 7:32:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 7:32:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 7:32:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 7:32:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 7:32:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 7:32:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 7:32:00 PM
Acetone	10000	64	E	ug/m3	90	8/6/2014 1:20:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 7:32:00 PM
Benzene	< 4.8	4.8		ug/m3	10	8/3/2014 7:32:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 7:32:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 7:32:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 7:32:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 7:32:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 7:32:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 7:32:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 7:32:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 7:32:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 7:32:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 7:32:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 7:32:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 7:32:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 7:32:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 7:32:00 PM
Ethyl acetate	62	36		ug/m3	40	8/3/2014 8:09:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 7:32:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 7:32:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 7:32:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 7:32:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-5
Lab Order:	C1408005	**Tag Number:**	195.391
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 7:32:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 7:32:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 7:32:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 7:32:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 7:32:00 PM
m&p-Xylene	6.5	13	J	ug/m3	10	8/3/2014 7:32:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 7:32:00 PM
Methyl Ethyl Ketone	74	35		ug/m3	40	8/3/2014 8:09:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 7:32:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 7:32:00 PM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/3/2014 7:32:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 7:32:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 7:32:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 7:32:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 7:32:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 7:32:00 PM
Toluene	43	5.7		ug/m3	10	8/3/2014 7:32:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 7:32:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 7:32:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 7:32:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 7:32:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 7:32:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 7:32:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-6
Lab Order:	C1408005	**Tag Number:**	157.344
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 8:45:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 8:45:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 8:45:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 8:45:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 8:45:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 8:45:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 8:45:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 8:45:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 8:45:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 8:45:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 8:45:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 8:45:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 8:45:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 8:45:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 8:45:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 8:45:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 8:45:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 8:45:00 PM
Acetone	15000	64	E	ug/m3	90	8/6/2014 1:56:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 8:45:00 PM
Benzene	3.8	4.8	J	ug/m3	10	8/3/2014 8:45:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 8:45:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 8:45:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 8:45:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 8:45:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 8:45:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 8:45:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 8:45:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 8:45:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 8:45:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 8:45:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 8:45:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 8:45:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 8:45:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 8:45:00 PM
Ethyl acetate	130	36		ug/m3	40	8/3/2014 9:22:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 8:45:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 8:45:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 8:45:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 8:45:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-6
Lab Order:	C1408005	**Tag Number:**	157.344
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 8:45:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 8:45:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 8:45:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 8:45:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 8:45:00 PM
m&p-Xylene	9.6	13	J	ug/m3	10	8/3/2014 8:45:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 8:45:00 PM
Methyl Ethyl Ketone	110	35		ug/m3	40	8/3/2014 9:22:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 8:45:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 8:45:00 PM
Methylene chloride	3.8	5.2	J	ug/m3	10	8/3/2014 8:45:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 8:45:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 8:45:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 8:45:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 8:45:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 8:45:00 PM
Toluene	57	5.7		ug/m3	10	8/3/2014 8:45:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 8:45:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 8:45:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 8:45:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 8:45:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 8:45:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 8:45:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-7
Lab Order:	C1408005	**Tag Number:**	89.381
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-007A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 9:59:00 PM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/3/2014 9:59:00 PM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/3/2014 9:59:00 PM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 9:59:00 PM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 9:59:00 PM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/3/2014 9:59:00 PM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 9:59:00 PM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/3/2014 9:59:00 PM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 9:59:00 PM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/3/2014 9:59:00 PM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/3/2014 9:59:00 PM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/3/2014 9:59:00 PM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/3/2014 9:59:00 PM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 9:59:00 PM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/3/2014 9:59:00 PM
1,4-Dioxane	< 11	11		ug/m3	10	8/3/2014 9:59:00 PM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/3/2014 9:59:00 PM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/3/2014 9:59:00 PM
Acetone	5900	64	E	ug/m3	90	8/6/2014 2:33:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/3/2014 9:59:00 PM
Benzene	< 4.8	4.8		ug/m3	10	8/3/2014 9:59:00 PM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/3/2014 9:59:00 PM
Bromodichloromethane	< 10	10		ug/m3	10	8/3/2014 9:59:00 PM
Bromoform	< 16	16		ug/m3	10	8/3/2014 9:59:00 PM
Bromomethane	< 5.8	5.8		ug/m3	10	8/3/2014 9:59:00 PM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/3/2014 9:59:00 PM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/3/2014 9:59:00 PM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/3/2014 9:59:00 PM
Chloroethane	< 4.0	4.0		ug/m3	10	8/3/2014 9:59:00 PM
Chloroform	< 7.3	7.3		ug/m3	10	8/3/2014 9:59:00 PM
Chloromethane	< 3.1	3.1		ug/m3	10	8/3/2014 9:59:00 PM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 9:59:00 PM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 9:59:00 PM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/3/2014 9:59:00 PM
Dibromochloromethane	< 13	13		ug/m3	10	8/3/2014 9:59:00 PM
Ethyl acetate	59	9.0		ug/m3	10	8/3/2014 9:59:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/3/2014 9:59:00 PM
Freon 11	< 8.4	8.4		ug/m3	10	8/3/2014 9:59:00 PM
Freon 113	< 11	11		ug/m3	10	8/3/2014 9:59:00 PM
Freon 114	< 10	10		ug/m3	10	8/3/2014 9:59:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-7
Lab Order:	C1408005	**Tag Number:**	89.381
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-007A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/3/2014 9:59:00 PM
Heptane	< 6.1	6.1		ug/m3	10	8/3/2014 9:59:00 PM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/3/2014 9:59:00 PM
Hexane	< 5.3	5.3		ug/m3	10	8/3/2014 9:59:00 PM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/3/2014 9:59:00 PM
m&p-Xylene	< 13	13		ug/m3	10	8/3/2014 9:59:00 PM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/3/2014 9:59:00 PM
Methyl Ethyl Ketone	38	35		ug/m3	40	8/3/2014 10:36:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/3/2014 9:59:00 PM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/3/2014 9:59:00 PM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/3/2014 9:59:00 PM
o-Xylene	< 6.5	6.5		ug/m3	10	8/3/2014 9:59:00 PM
Propylene	< 2.6	2.6		ug/m3	10	8/3/2014 9:59:00 PM
Styrene	< 6.4	6.4		ug/m3	10	8/3/2014 9:59:00 PM
Tetrachloroethylene	< 10	10		ug/m3	10	8/3/2014 9:59:00 PM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/3/2014 9:59:00 PM
Toluene	16	5.7		ug/m3	10	8/3/2014 9:59:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/3/2014 9:59:00 PM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/3/2014 9:59:00 PM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/3/2014 9:59:00 PM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/3/2014 9:59:00 PM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/3/2014 9:59:00 PM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/3/2014 9:59:00 PM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-8
Lab Order:	C1408005	**Tag Number:**	336.345
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-008A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 12:32:00 AM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/4/2014 12:32:00 AM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 12:32:00 AM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 12:32:00 AM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 12:32:00 AM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/4/2014 12:32:00 AM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 12:32:00 AM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/4/2014 12:32:00 AM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 12:32:00 AM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 12:32:00 AM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/4/2014 12:32:00 AM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 12:32:00 AM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/4/2014 12:32:00 AM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 12:32:00 AM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 12:32:00 AM
1,4-Dioxane	< 11	11		ug/m3	10	8/4/2014 12:32:00 AM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/4/2014 12:32:00 AM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/4/2014 12:32:00 AM
Acetone	18000	64	E	ug/m3	90	8/6/2014 3:10:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/4/2014 12:32:00 AM
Benzene	3.5	4.8	J	ug/m3	10	8/4/2014 12:32:00 AM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/4/2014 12:32:00 AM
Bromodichloromethane	< 10	10		ug/m3	10	8/4/2014 12:32:00 AM
Bromoform	< 16	16		ug/m3	10	8/4/2014 12:32:00 AM
Bromomethane	< 5.8	5.8		ug/m3	10	8/4/2014 12:32:00 AM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/4/2014 12:32:00 AM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/4/2014 12:32:00 AM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/4/2014 12:32:00 AM
Chloroethane	< 4.0	4.0		ug/m3	10	8/4/2014 12:32:00 AM
Chloroform	< 7.3	7.3		ug/m3	10	8/4/2014 12:32:00 AM
Chloromethane	< 3.1	3.1		ug/m3	10	8/4/2014 12:32:00 AM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 12:32:00 AM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 12:32:00 AM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/4/2014 12:32:00 AM
Dibromochloromethane	< 13	13		ug/m3	10	8/4/2014 12:32:00 AM
Ethyl acetate	35	36	J	ug/m3	40	8/4/2014 1:08:00 AM
Ethylbenzene	5.6	6.5	J	ug/m3	10	8/4/2014 12:32:00 AM
Freon 11	< 8.4	8.4		ug/m3	10	8/4/2014 12:32:00 AM
Freon 113	< 11	11		ug/m3	10	8/4/2014 12:32:00 AM
Freon 114	< 10	10		ug/m3	10	8/4/2014 12:32:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-8
Lab Order:	C1408005	**Tag Number:**	336.345
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-008A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/4/2014 12:32:00 AM
Heptane	< 6.1	6.1		ug/m3	10	8/4/2014 12:32:00 AM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/4/2014 12:32:00 AM
Hexane	< 5.3	5.3		ug/m3	10	8/4/2014 12:32:00 AM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/4/2014 12:32:00 AM
m&p-Xylene	6.9	13	J	ug/m3	10	8/4/2014 12:32:00 AM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/4/2014 12:32:00 AM
Methyl Ethyl Ketone	53	35		ug/m3	40	8/4/2014 1:08:00 AM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/4/2014 12:32:00 AM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/4/2014 12:32:00 AM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/4/2014 12:32:00 AM
o-Xylene	< 6.5	6.5		ug/m3	10	8/4/2014 12:32:00 AM
Propylene	< 2.6	2.6		ug/m3	10	8/4/2014 12:32:00 AM
Styrene	< 6.4	6.4		ug/m3	10	8/4/2014 12:32:00 AM
Tetrachloroethylene	< 10	10		ug/m3	10	8/4/2014 12:32:00 AM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/4/2014 12:32:00 AM
Toluene	29	5.7		ug/m3	10	8/4/2014 12:32:00 AM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 12:32:00 AM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 12:32:00 AM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/4/2014 12:32:00 AM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/4/2014 12:32:00 AM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/4/2014 12:32:00 AM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/4/2014 12:32:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-9
Lab Order:	C1408005	**Tag Number:**	274.439
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-009A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 1:45:00 AM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/4/2014 1:45:00 AM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 1:45:00 AM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 1:45:00 AM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 1:45:00 AM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/4/2014 1:45:00 AM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 1:45:00 AM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/4/2014 1:45:00 AM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 1:45:00 AM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 1:45:00 AM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/4/2014 1:45:00 AM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 1:45:00 AM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/4/2014 1:45:00 AM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 1:45:00 AM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 1:45:00 AM
1,4-Dioxane	< 11	11		ug/m3	10	8/4/2014 1:45:00 AM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/4/2014 1:45:00 AM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/4/2014 1:45:00 AM
Acetone	36000	64	E	ug/m3	90	8/6/2014 3:47:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/4/2014 1:45:00 AM
Benzene	11	4.8		ug/m3	10	8/4/2014 1:45:00 AM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/4/2014 1:45:00 AM
Bromodichloromethane	< 10	10		ug/m3	10	8/4/2014 1:45:00 AM
Bromoform	< 16	16		ug/m3	10	8/4/2014 1:45:00 AM
Bromomethane	< 5.8	5.8		ug/m3	10	8/4/2014 1:45:00 AM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/4/2014 1:45:00 AM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/4/2014 1:45:00 AM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/4/2014 1:45:00 AM
Chloroethane	< 4.0	4.0		ug/m3	10	8/4/2014 1:45:00 AM
Chloroform	< 7.3	7.3		ug/m3	10	8/4/2014 1:45:00 AM
Chloromethane	< 3.1	3.1		ug/m3	10	8/4/2014 1:45:00 AM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 1:45:00 AM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 1:45:00 AM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/4/2014 1:45:00 AM
Dibromochloromethane	< 13	13		ug/m3	10	8/4/2014 1:45:00 AM
Ethyl acetate	750	79		ug/m3	90	8/6/2014 3:47:00 PM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/4/2014 1:45:00 AM
Freon 11	350	79		ug/m3	90	8/6/2014 3:47:00 PM
Freon 113	< 11	11		ug/m3	10	8/4/2014 1:45:00 AM
Freon 114	< 10	10		ug/m3	10	8/4/2014 1:45:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-9
Lab Order:	C1408005	**Tag Number:**	274.439
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-009A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/4/2014 1:45:00 AM
Heptane	< 6.1	6.1		ug/m3	10	8/4/2014 1:45:00 AM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/4/2014 1:45:00 AM
Hexane	< 5.3	5.3		ug/m3	10	8/4/2014 1:45:00 AM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/4/2014 1:45:00 AM
m&p-Xylene	16	13		ug/m3	10	8/4/2014 1:45:00 AM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/4/2014 1:45:00 AM
Methyl Ethyl Ketone	340	80		ug/m3	90	8/6/2014 3:47:00 PM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/4/2014 1:45:00 AM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/4/2014 1:45:00 AM
Methylene chloride	11	5.2		ug/m3	10	8/4/2014 1:45:00 AM
o-Xylene	< 6.5	6.5		ug/m3	10	8/4/2014 1:45:00 AM
Propylene	< 2.6	2.6		ug/m3	10	8/4/2014 1:45:00 AM
Styrene	< 6.4	6.4		ug/m3	10	8/4/2014 1:45:00 AM
Tetrachloroethylene	< 10	10		ug/m3	10	8/4/2014 1:45:00 AM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/4/2014 1:45:00 AM
Toluene	100	53		ug/m3	90	8/6/2014 3:47:00 PM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 1:45:00 AM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 1:45:00 AM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/4/2014 1:45:00 AM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/4/2014 1:45:00 AM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/4/2014 1:45:00 AM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/4/2014 1:45:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-10
Lab Order:	C1408005	**Tag Number:**	159.382
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-010A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 2:59:00 AM
1,1,2,2-Tetrachloroethane	< 10	10		ug/m3	10	8/4/2014 2:59:00 AM
1,1,2-Trichloroethane	< 8.2	8.2		ug/m3	10	8/4/2014 2:59:00 AM
1,1-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 2:59:00 AM
1,1-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 2:59:00 AM
1,2,4-Trichlorobenzene	< 11	11		ug/m3	10	8/4/2014 2:59:00 AM
1,2,4-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 2:59:00 AM
1,2-Dibromoethane	< 12	12		ug/m3	10	8/4/2014 2:59:00 AM
1,2-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 2:59:00 AM
1,2-Dichloroethane	< 6.1	6.1		ug/m3	10	8/4/2014 2:59:00 AM
1,2-Dichloropropane	< 6.9	6.9		ug/m3	10	8/4/2014 2:59:00 AM
1,3,5-Trimethylbenzene	< 7.4	7.4		ug/m3	10	8/4/2014 2:59:00 AM
1,3-butadiene	< 3.3	3.3		ug/m3	10	8/4/2014 2:59:00 AM
1,3-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 2:59:00 AM
1,4-Dichlorobenzene	< 9.0	9.0		ug/m3	10	8/4/2014 2:59:00 AM
1,4-Dioxane	< 11	11		ug/m3	10	8/4/2014 2:59:00 AM
2,2,4-trimethylpentane	< 7.0	7.0		ug/m3	10	8/4/2014 2:59:00 AM
4-ethyltoluene	< 7.4	7.4		ug/m3	10	8/4/2014 2:59:00 AM
Acetone	11000	64	E	ug/m3	90	8/6/2014 4:24:00 PM
Allyl chloride	< 4.7	4.7		ug/m3	10	8/4/2014 2:59:00 AM
Benzene	< 4.8	4.8		ug/m3	10	8/4/2014 2:59:00 AM
Benzyl chloride	< 8.6	8.6		ug/m3	10	8/4/2014 2:59:00 AM
Bromodichloromethane	< 10	10		ug/m3	10	8/4/2014 2:59:00 AM
Bromoform	< 16	16		ug/m3	10	8/4/2014 2:59:00 AM
Bromomethane	< 5.8	5.8		ug/m3	10	8/4/2014 2:59:00 AM
Carbon disulfide	< 4.7	4.7		ug/m3	10	8/4/2014 2:59:00 AM
Carbon tetrachloride	< 9.4	9.4		ug/m3	10	8/4/2014 2:59:00 AM
Chlorobenzene	< 6.9	6.9		ug/m3	10	8/4/2014 2:59:00 AM
Chloroethane	< 4.0	4.0		ug/m3	10	8/4/2014 2:59:00 AM
Chloroform	< 7.3	7.3		ug/m3	10	8/4/2014 2:59:00 AM
Chloromethane	< 3.1	3.1		ug/m3	10	8/4/2014 2:59:00 AM
cis-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 2:59:00 AM
cis-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 2:59:00 AM
Cyclohexane	< 5.2	5.2		ug/m3	10	8/4/2014 2:59:00 AM
Dibromochloromethane	< 13	13		ug/m3	10	8/4/2014 2:59:00 AM
Ethyl acetate	78	36		ug/m3	40	8/4/2014 3:35:00 AM
Ethylbenzene	< 6.5	6.5		ug/m3	10	8/4/2014 2:59:00 AM
Freon 11	< 8.4	8.4		ug/m3	10	8/4/2014 2:59:00 AM
Freon 113	< 11	11		ug/m3	10	8/4/2014 2:59:00 AM
Freon 114	< 10	10		ug/m3	10	8/4/2014 2:59:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	SV-10
Lab Order:	C1408005	**Tag Number:**	159.382
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-010A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 7.4	7.4		ug/m3	10	8/4/2014 2:59:00 AM
Heptane	< 6.1	6.1		ug/m3	10	8/4/2014 2:59:00 AM
Hexachloro-1,3-butadiene	< 16	16		ug/m3	10	8/4/2014 2:59:00 AM
Hexane	< 5.3	5.3		ug/m3	10	8/4/2014 2:59:00 AM
Isopropyl alcohol	< 3.7	3.7		ug/m3	10	8/4/2014 2:59:00 AM
m&p-Xylene	5.2	13	J	ug/m3	10	8/4/2014 2:59:00 AM
Methyl Butyl Ketone	< 12	12		ug/m3	10	8/4/2014 2:59:00 AM
Methyl Ethyl Ketone	78	35		ug/m3	40	8/4/2014 3:35:00 AM
Methyl Isobutyl Ketone	< 12	12		ug/m3	10	8/4/2014 2:59:00 AM
Methyl tert-butyl ether	< 5.4	5.4		ug/m3	10	8/4/2014 2:59:00 AM
Methylene chloride	< 5.2	5.2		ug/m3	10	8/4/2014 2:59:00 AM
o-Xylene	< 6.5	6.5		ug/m3	10	8/4/2014 2:59:00 AM
Propylene	< 2.6	2.6		ug/m3	10	8/4/2014 2:59:00 AM
Styrene	< 6.4	6.4		ug/m3	10	8/4/2014 2:59:00 AM
Tetrachloroethylene	< 10	10		ug/m3	10	8/4/2014 2:59:00 AM
Tetrahydrofuran	< 4.4	4.4		ug/m3	10	8/4/2014 2:59:00 AM
Toluene	31	5.7		ug/m3	10	8/4/2014 2:59:00 AM
trans-1,2-Dichloroethene	< 5.9	5.9		ug/m3	10	8/4/2014 2:59:00 AM
trans-1,3-Dichloropropene	< 6.8	6.8		ug/m3	10	8/4/2014 2:59:00 AM
Trichloroethene	< 8.1	8.1		ug/m3	10	8/4/2014 2:59:00 AM
Vinyl acetate	< 5.3	5.3		ug/m3	10	8/4/2014 2:59:00 AM
Vinyl Bromide	< 6.6	6.6		ug/m3	10	8/4/2014 2:59:00 AM
Vinyl chloride	< 3.8	3.8		ug/m3	10	8/4/2014 2:59:00 AM

NOTES:

* The reporting limits were raised due to the high concentration of non-target compounds that appears to be a fuel.

Qualifiers:				
	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1408005	**Tag Number:**	98
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-011A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	8/3/2014 12:06:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	8/3/2014 12:06:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	8/3/2014 12:06:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	8/3/2014 12:06:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	8/3/2014 12:06:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	8/3/2014 12:06:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	8/3/2014 12:06:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	8/3/2014 12:06:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	8/3/2014 12:06:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	8/3/2014 12:06:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	8/3/2014 12:06:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	8/3/2014 12:06:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	8/3/2014 12:06:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	8/3/2014 12:06:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	8/3/2014 12:06:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	8/3/2014 12:06:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	8/3/2014 12:06:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	8/3/2014 12:06:00 PM
Acetone	< 0.71	0.71		ug/m3	1	8/3/2014 12:06:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	8/3/2014 12:06:00 PM
Benzene	< 0.48	0.48		ug/m3	1	8/3/2014 12:06:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	8/3/2014 12:06:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	8/3/2014 12:06:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	8/3/2014 12:06:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	8/3/2014 12:06:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	8/3/2014 12:06:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	8/3/2014 12:06:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	8/3/2014 12:06:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	8/3/2014 12:06:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	8/3/2014 12:06:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	8/3/2014 12:06:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	8/3/2014 12:06:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	8/3/2014 12:06:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	8/3/2014 12:06:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	8/3/2014 12:06:00 PM
Ethyl acetate	< 0.90	0.90		ug/m3	1	8/3/2014 12:06:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	8/3/2014 12:06:00 PM
Freon 11	< 0.84	0.84		ug/m3	1	8/3/2014 12:06:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	8/3/2014 12:06:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	8/3/2014 12:06:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *06-Aug-14*

CLIENT:	FPM Group, Ltd.	**Client Sample ID:**	Trip Blank
Lab Order:	C1408005	**Tag Number:**	98
Project:	Farrington Realty	**Collection Date:**	7/30/2014
Lab ID:	C1408005-011A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	< 0.74	0.74		ug/m3	1	8/3/2014 12:06:00 PM
Heptane	< 0.61	0.61		ug/m3	1	8/3/2014 12:06:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	8/3/2014 12:06:00 PM
Hexane	< 0.53	0.53		ug/m3	1	8/3/2014 12:06:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	8/3/2014 12:06:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	8/3/2014 12:06:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	8/3/2014 12:06:00 PM
Methyl Ethyl Ketone	< 0.88	0.88		ug/m3	1	8/3/2014 12:06:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	8/3/2014 12:06:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	8/3/2014 12:06:00 PM
Methylene chloride	< 0.52	0.52		ug/m3	1	8/3/2014 12:06:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	8/3/2014 12:06:00 PM
Propylene	< 0.26	0.26		ug/m3	1	8/3/2014 12:06:00 PM
Styrene	< 0.64	0.64		ug/m3	1	8/3/2014 12:06:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	8/3/2014 12:06:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	8/3/2014 12:06:00 PM
Toluene	< 0.57	0.57		ug/m3	1	8/3/2014 12:06:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	8/3/2014 12:06:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	8/3/2014 12:06:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	8/3/2014 12:06:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	8/3/2014 12:06:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	8/3/2014 12:06:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	8/3/2014 12:06:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
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